

# The London School of Economics and Political Science

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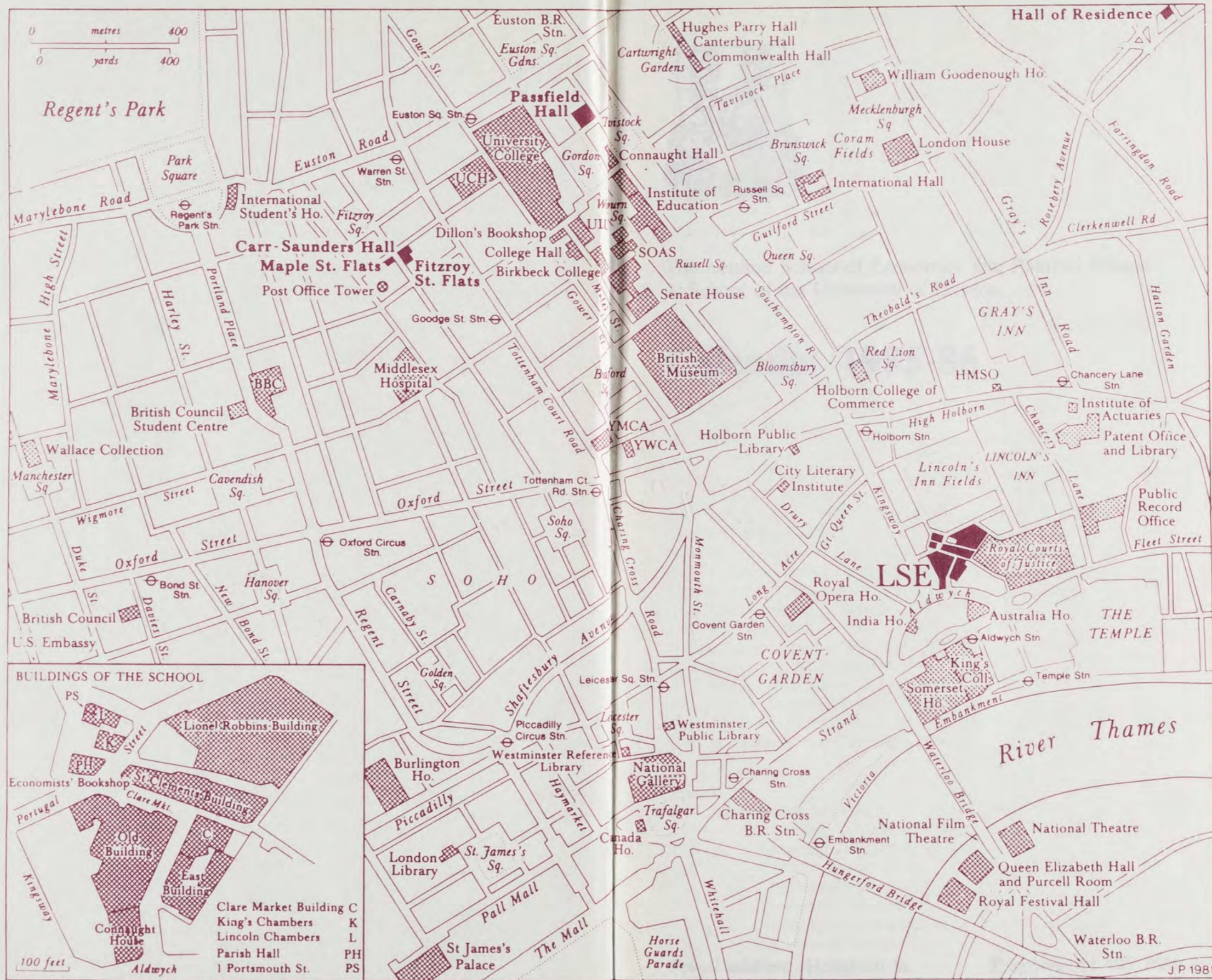


Calendar 1985-86

LSE/UNREGISTERED

27/5/12





0 metres 400  
0 yards 400

Regent's Park

Euston B.R. Stn.  
Euston Sq. Gdns.  
Euston Sq. Stn.  
Warren St. Stn.  
Park Square  
Regent's Park Stn.  
International Student's Ho.  
Fitzroy Sq.  
Carr-Saunders Hall  
Maple St. Flats  
Post Office Tower  
Dillon's Bookshop  
College Hall  
Birkbeck College  
Fitzroy St. Flats  
Middlesex Hospital  
BBC  
British Council Student Centre  
Wallace Collection  
Manchester Sq.  
Wigmore Street  
Duke Street  
Oxford Street  
Hanover Sq.  
Bond St. Stn.  
British Council  
U.S. Embassy  
Daukes St.  
New Bond St.  
Regent Street  
Carnaby St.  
Golden Sq.  
Shaftesbury Avenue  
Leicester Sq. Stn.  
Piccadilly Circus Stn.  
Westminster Reference Library  
Burlington Ho.  
Piccadilly  
London Library  
St. James's Sq.  
St. James's Palace  
The Mall  
Horse Guards Parade  
Museum  
Cartwright Gardens  
Hughes Parry Hall  
Canterbury Hall  
Commonwealth Hall  
Tavistock Place  
Twistock Sq.  
Connaught Hall  
Institute of Education  
Russell Sq. Stn.  
Guilford Street  
Queen Sq.  
Southampton R.  
Bloomsbury Sq.  
HMSO  
Institute of Actuaries  
Patent Office and Library  
Public Record Office  
Fleet Street  
Royal Courts of Justice  
LSE  
Royal Opera Ho.  
India Ho.  
Australia Ho.  
Somerset Ho.  
King's Colls.  
National Gallery  
Trafalgar Sq.  
Canada Ho.  
National Film Theatre  
National Theatre  
Queen Elizabeth Hall and Purcell Room  
Royal Festival Hall  
Waterloo B.R. Stn.

**BUILDINGS OF THE SCHOOL**

PS  
K  
PH  
C  
L  
PH  
PS

Economists' Bookshop  
St. Clements Building  
Old Building  
East Building  
Connaught House  
Clare Mkt.

Clare Market Building C  
King's Chambers K  
Lincoln Chambers L  
Parish Hall PH  
1 Portsmouth St. PS

100 feet  
Aldwych



The London School of Economics and Political Science  
A School of the University of London

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Calendar 1985-86

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**Academic Officers**

*Director:* Dr. I. G. Patel  
*Pro-Director:* Professor R. A. Pinker  
*Vice-Chairman of the Academic Board:* Professor W. R. Cornish  
*Chairman of the Graduate School Committee:* Professor L. H. Leigh  
*Dean of the Graduate School:* Mr. Peter F. Dawson  
*Dean of Undergraduate Studies:* Dr. Eileen Barker  
*Advisor to Women Students:* Dr. Janet E. Stockdale  
*Advisor to Disabled Students:* Miss Sally B. Sainsbury

**Dates of Terms**

**Session 1985-86**  
**Michaelmas Term:** Thursday, 3 October 1985 to Friday, 13 December 1985  
 (Teaching begins Monday, 7 October 1985)  
**Lent Term:** Monday, 13 January 1986 to Friday, 21 March 1986  
**Summer Term:** Monday, 28 April 1986 to Friday, 4 July 1986

**Session 1986-87 (provisional)**  
**Michaelmas Term:** Thursday, 2 October 1986 to Friday, 12 December 1986  
 (Teaching begins Monday, 7 October 1986)  
**Lent Term:** Monday, 12 January 1987 to Friday, 20 March 1987  
**Summer Term:** Monday, 29 April 1987 to Friday, 5 July 1987

**Opening Times of the School Buildings**

The School buildings are normally open as follows:  
 In term: Mondays to Fridays- 9.30 a.m. to 9.30 p.m.  
 Saturdays - 9.30 a.m. to 1.00 p.m.  
 In vacation: Mondays to Fridays- 9.30 a.m. to 6.00 p.m.

## Calendar of Events 1985-86

(University functions in Italics)

### September 1985

1	S	
2	M	
3	T	
4	W	
5	Th	
6	F	
7	S	
8	S	
9	M	
10	T	
11	W	
12	Th	
13	F	
14	S	
15	S	
16	M	
17	T	
18	W	
19	Th	
20	F	
21	S	
22	S	
23	M	5 p.m. Investments Committee
24	T	
25	W	
26	Th	
27	F	
28	S	
29	S	
30	M	

### October 1985

1	T	
2	W	<i>University Michaelmas Term begins</i>
3	Th	<b>School Michaelmas Term begins</b>
4	F	
5	S	
6	S	
7	M	
8	T	5.15 p.m. Standing Committee
9	W	2 p.m. Standing Sub-Committee of the Appointments Committee 2.30 p.m. Board of Studies in Economics
10	Th	
11	F	
12	S	
13	S	
14	M	
15	T	1 p.m. Publications Committee 2 p.m. Academic Studies Committee
16	W	2 p.m. General Purposes Committee 4.30 p.m. Graduate School Committee
17	Th	
18	F	
19	S	
20	S	
21	M	2 p.m. Meeting of the Professors of Economics 5.30 p.m. Building Committee
22	T	10 a.m. Admissions Committee 8 p.m. Director's Reception for Academic Staff
23	W	2 p.m. Appointments Committee 4.30 p.m. Research Committee
24	Th	4 p.m. Athletics Committee
25	F	
26	S	
27	S	
28	M	4 p.m. Academic Council Meeting
29	T	10.30 a.m. Nursery Sub-Committee
30	W	4.30 p.m. Library Committee
31	Th	10 a.m. Committee on Administrative and Library Staffs 5 p.m. LSE/AUT Joint Negotiating and Consultative Committee 8 p.m. Director's Reception for Academic Staff

November 1985

1	F	
2	S	
3	S	
4	M	
5	T	5.15 p.m. Standing Committee
6	W	2 p.m. Standing Sub-Committee of the Appointments Committee 4.30 p.m. Graduate School Committee 4.30 p.m. Meeting of the Senate
7	Th	5 p.m. External Relations Committee
8	F	10 a.m. Committee on Student Numbers 2 p.m. Committee on the Welfare of Overseas Students
9	S	
10	S	
11	M	2 p.m. Meeting of the Professors of Economics 4.15 p.m. Student Health Service Committee
12	T	2 p.m. Academic Studies Committee 5 p.m. Committee on Undergraduate Studies
13	W	2 p.m. Academic Board
14	Th	
15	F	
16	S	
17	S	
18	M	2 p.m. Staff Research Fund Committee
19	T	5.15 p.m. Joint Meeting of Standing Committee and Student Governors
20	W	11 a.m. Student Support Committee 12 noon Conference Grants Sub-Committee 2 p.m. Appointments Committee 2.30 p.m. Board of Studies in Economics
21	Th	
22	F	2 p.m. Inter-Halls Committee
23	S	
24	S	
25	M	3 p.m. Catering Services Advisory Committee
26	T	10 a.m. Admissions Committee
27	W	2 p.m. General Purposes Committee
28	Th	2 p.m. Committee on Accommodation 4 p.m. Careers Advisory Service Committee
29	F	2 p.m. Safety Committee
30	S	

December 1985

1	S	
2	M	2 p.m. Meeting of the Professors of Economics 5.30 p.m. Building Committee
3	T	5.15 p.m. Standing Committee
4	W	Presentation Day
5	Th	5 p.m. LSE/AUT Joint Negotiating and Consultative Committee
6	F	
7	S	
8	S	
9	M	10 a.m. Committee on Administrative and Library Staffs 4 p.m. Academic Council Meeting
10	T	1 p.m. Publications Committee 2 p.m. Academic Studies Committee 5 p.m. Committee on Undergraduate Studies 5.30 p.m. School Carol Service
11	W	University Michaelmas Term ends 2 p.m. Academic Board 4.30 p.m. Research Committee 4.30 p.m. Meeting of the Senate
12	Th	10.30 a.m. Nursery Sub-Committee 5 p.m. Court of Governors
13	F	School Michaelmas Term ends
14	S	
15	S	
16	M	
17	T	
18	W	
19	Th	
20	F	9.30 p.m. School buildings close for Christmas holiday
21	S	
22	S	
23	M	
24	T	
25	W	Christmas Day
26	Th	Public Holiday
27	F	
28	S	
29	S	
30	M	9.30 a.m. School buildings re-open
31	T	



January 1986

1	W	Public Holiday
2	Th	
3	F	
4	S	
5	S	
6	M	
7	T	
8	W	University Lent Term begins
9	Th	
10	F	
11	S	
12	S	
13	M	<b>School Lent Term begins</b>
14	T	2 p.m. Academic Studies Committee 5 p.m. Committee on Undergraduate Studies 5.15 p.m. Standing Committee
15	W	<i>Presentation Day</i> 2 p.m. Standing Sub-Committee of the Appointments Committee 2.30 p.m. <i>Board of Studies in Economics</i>
16	Th	4.30 p.m. Graduate School Committee
17	F	
18	S	
19	S	
20	M	2 p.m. Meeting of the Professors of Economics 4.15 p.m. Student Health Service Committee
21	T	
22	W	12 noon Conference Grants Sub-Committee 2 p.m. General Purposes Committee
23	Th	
24	F	
25	S	
26	S	
27	M	
28	T	5 p.m. Investments Committee
29	W	2 p.m. Appointments Committee 4.30 p.m. Library Committee 4.30 p.m. Research Committee
30	Th	2 p.m. Committee on Administrative and Library Staffs 4 p.m. Athletics Committee
31	F	

February 1986

1	S	
2	S	
3	M	4 p.m. Academic Council Meeting
4	T	10 a.m. Admissions Committee 5.15 p.m. Standing Committee
5	W	2 p.m. Standing Sub-Committee of the Appointments Committee 4.30 p.m. <i>Meeting of the Senate (if required)</i>
6	Th	5 p.m. External Relations Committee
7	F	
8	S	
9	S	
10	M	
11	T	5 p.m. Committee on Undergraduate Studies
12	W	(all day) Standing Sub-Committee of the Appointments Committee
13	Th	5 p.m. LSE/AUT Joint Negotiating and Consultative Committee
14	F	9.30 a.m. Standing Sub-Committee of the Appointments Committee
15	S	
16	S	
17	M	2 p.m. Meeting of the Professors of Economics
18	T	2 p.m. Academic Studies Committee
19	W	11 a.m. Student Support Committee 2 p.m. Academic Board 4.30 p.m. Graduate School Committee
20	Th	2 p.m. Committee on Accommodation
21	F	10 a.m. Committee on Student Numbers 2 p.m. Committee on the Welfare of Overseas Students
22	S	
23	S	
24	M	2 p.m. Staff Research Fund Committee
25	T	1 p.m. Publications Committee 5.15 p.m. Joint Meeting of the Standing Committee and Student Governors
26	W	2 p.m. Appointments Committee 2.30 p.m. <i>Board of Studies in Economics</i>
27	Th	
28	F	2 p.m. Safety Committee

March 1986

1	S	
2	S	
3	M	3 p.m. Catering Services Advisory Committee
4	T	5.15 p.m. Standing Committee
5	W	2 p.m. General Purposes Committee
6	Th	
7	F	
8	S	
9	S	
10	M	6 p.m. Building Committee
11	T	5 p.m. Committee on Undergraduate Studies
12	W	<i>Presentation Day</i> 12 noon Conference Grants Sub-Committee 2 p.m. Inter-Halls Committee
13	Th	4 p.m. Athletics Committee 5 p.m. LSE/AUT Joint Negotiating and Consultative Committee
14	F	
15	S	
16	S	
17	M	2 p.m. Meeting of the Professors of Economics 4 p.m. <i>Academic Council Meeting</i>
18	T	10 a.m. Admissions Committee 2 p.m. Academic Studies Committee
19	W	<i>University Lent Term ends</i> 2 p.m. Academic Board 4.30 p.m. <i>Meeting of the Senate</i> 4.30 p.m. Research Committee
20	Th	10.30 a.m. Nursery Sub-Committee 2 p.m. Committee on Administrative and Library Staffs 5 p.m. Court of Governors
21	F	<b>School Lent Term ends</b>
22	S	
23	S	
24	M	
25	T	
26	W	9.30 p.m. School buildings close for Easter holiday
27	Th	
28	F	
29	S	
30	S	Easter Sunday
31	M	

April 1986

1	T	
2	W	
3	Th	9.30 a.m. School buildings re-open
4	F	
5	S	
6	S	
7	M	
8	T	
9	W	
10	Th	
11	F	
12	S	
13	S	
14	M	
15	T	
16	W	
17	Th	
18	F	
19	S	
20	S	
21	M	
22	T	
23	W	<i>University Summer Term begins</i>
24	Th	
25	F	
26	S	
27	S	
28	M	<b>School Summer Term begins</b>
29	T	2 p.m. Academic Studies Committee
30	W	2 p.m. General Purposes Committee 2.30 p.m. <i>Board of Studies in Economics</i>

## May 1986

1	Th	
2	F	
3	S	
4	S	
5	M	May Day Public Holiday
6	T	5.15 p.m. Standing Committee
7	W	2 p.m. Standing Sub-Committee of the Appointments Committee 4.30 p.m. Graduate School Committee
8	Th	
9	F	2 p.m. Committee on the Welfare of Overseas Students
10	S	
11	S	
12	M	2 p.m. Staff Research Fund Committee 4 p.m. Academic Council Meeting
13	T	10 a.m. Admissions Committee 2 p.m. Committee on Administrative and Library Staffs 5 p.m. Committee on Undergraduate Studies 6.30 p.m. Graduand's Reception
14	W	Presentation Day 11 a.m. Student Support Committee
15	Th	4 p.m. Athletics Committee
16	F	11.30 a.m. Inter-Halls Committee
17	S	
18	S	
19	M	2 p.m. Meeting of the Professors of Economics 4.15 p.m. Student Health Service Committee
20	T	5.15 p.m. Joint Meeting of Standing Committee and Student Governors
21	W	2 p.m. Appointments Committee 4.30 p.m. Research Committee 4.30 p.m. Meeting of the Senate
22	Th	5 p.m. LSE/AUT Joint Negotiating and Consultative Committee
23	F	
24	S	
25	S	
26	M	Spring Bank Holiday
27	T	2 p.m. Academic Studies Committee Examinations begin
28	W	2 p.m. Academic Board 4.30 p.m. Library Committee
29	Th	
30	F	
31	S	

## June 1986

1	S	
2	M	
3	T	1 p.m. Publications Committee 5.15 p.m. Standing Committee
4	W	2 p.m. Standing Sub-Committee of the Appointments Committee 2.30 p.m. Board of Studies in Economics 4.30 p.m. Graduate School Committee
5	Th	2 p.m. Committee on Association 5 p.m. External Relations Committee
6	F	
7	S	
8	S	
9	M	
10	T	
11	W	2 p.m. General Purposes Committee 2 p.m. Inter-Halls Committee
12	Th	
13	F	10 a.m. Committee on Student Numbers Examinations end
14	S	
15	S	
16	M	3 p.m. Catering Services Advisory Committee
17	T	
18	W	2 p.m. Appointments Committee
19	Th	
20	F	2 p.m. Safety Committee
21	S	Open Day
22	S	
23	M	10 a.m. (all day) Committee on Administrative and Library Staffs 4 p.m. Academic Council Meeting 5.30 p.m. Building Committee
24	T	5 p.m. Investments Committee
25	W	12 noon Conference Grants Sub-Committee 4.30 p.m. Research Committee
26	Th	4 p.m. Athletics Committee
27	F	
28	S	
29	S	
30	M	2 p.m. Meeting of the Professors of Economics

July 1986

1	T	5.15 p.m. Standing Committee
2	W	<i>University Summer Term ends</i> 2 p.m. Academic Board
3	Th	5 p.m. LSE/AUT Joint Negotiating and Consultative Committee
4	F	<b>School Summer Term ends</b>
5	S	
6	S	
7	M	
8	T	
9	W	4.30 p.m. Meeting of the Senate
10	Th	5 p.m. Court of Governors
11	F	
12	S	
13	S	
14	M	
15	T	
16	W	
17	Th	
18	F	
19	S	
20	S	
21	M	
22	T	
23	W	
24	Th	
25	F	
26	S	
27	S	
28	M	
29	T	
30	W	
31	Th	

## History of the School

The founding of the School marked the conjunction of a need with an opportunity. The need was for a centre where political and social problems could be studied as profoundly as they were being studied in universities on the Continent and in America. The opportunity came when Henry Hunt Hutchinson, a member of the Fabian Society, died in 1894 leaving instructions that Sidney Webb and four other trustees were to dispose of the residue of his estate for socially progressive purposes, but otherwise more or less as they thought fit. Sidney Webb working without 'the formalities of charters and incorporations, of public subscriptions and government grants, boards of trustees and governors' collected subscriptions and started his School. Its aim was to contribute to the improvement of society by promoting the impartial study of its problems and the training of those who were to translate policy into action.

The School opened modestly in October 1895 in rooms at 9 John Street, Adelphi, moving next year to 10 Adelphi Terrace, later the home of George Bernard Shaw. It was here in November 1896 that the School's library, The British Library of Political and Economic Science, was started. From the first the School set itself to cater for older students as well as for those of normal university age, attracting them particularly from business and administration; and from the first held itself open equally to students of both sexes.

Once the University of London had reorganised itself in 1900 and established a Faculty of Economics and Political Science, the School joined the University, its three-year course providing the basis of the new B.Sc. (Econ.) degree. Since the formality of its new position required the School to regularise its constitution, it was incorporated as a limited company not trading for profit, on 18 June 1901, with Sidney Webb as Chairman of the Governors. The Memorandum of Association (Section 3 vii) authorised the School to promote 'the study and advancement of Economics or Political Economy, Political Science or Political Philosophy, Statistics, Sociology, History, Geography, and any subject cognate to any of these'. And Article 28 of the Articles of Association stated that 'no religious, political, or economic test or qualification shall be made a condition for or disqualify from receiving any of the benefits of the Corporation, or holding any office therein; and no member of the Corporation, or professor, lecturer or other officer thereof, shall be under any disability or disadvantage by reason only of any opinions that he may hold or promulgate on any subject whatsoever'.

Numbers soon rose; and in 1902 the School was moved to its first purpose-built accommodation. The site was provided in Clare Market by the London County Council; the money for building was donated by Mr. Passmore Edwards and others. By 1913 the building was seriously overcrowded; and the School's subsequent history is a saga of rising numbers, constantly diversifying academic interests and, until lately, too little space. In 1921 the School was recognised by the University Faculty of Laws; in 1922 by the Faculty of Arts; in 1963 by the Faculty of Science. Research and teaching have expanded from small beginnings into the complex range of disciplines set forth later in this Calendar. In 1921 the journal *Economica* was founded; in 1934 *Politica*, which ceased publication during the war. The Library has also grown, until it is now, within its chosen fields, probably the finest collection in the world. And the School buildings, though they have not expanded in step with the needs implied by this growth have been added to and adapted so as to provide space for snack-bars and dining-rooms, homes for computing equipment, meeting-rooms for student gatherings, and modest facilities for physical recreation, in addition to more accommodation for conventional academic needs. In January 1970 the St. Clements Extension and the Clare Market Building were opened, the School's first purpose-built accommodation for forty years. Its users benefit from improved standards and communications, but little was gained in terms of actual space as these buildings replaced others previously used by the School.

However, the 1970s also brought the largest building expansion at any one time since the School was founded, with a sixty per cent increase in accommodation. The School

entered into a contract to purchase Strand House, a five-storey building with some 158,000 square feet of floor space, on an adjacent site in Portugal Street.

Following a successful appeal the School took possession of the building on 31 March 1976 and conversion work commenced in the late autumn of 1976. The building was adapted to rehouse the British Library of Political and Economic Science in a way which enables scholars, both from the School and beyond, to have full access to the Library's two million items. The building was renamed the Lionel Robbins Building in July 1978 and the Library opened to readers in its new home in October of that year. The hopes of many members of the School, nurtured over more than a decade, were thus realised.

The accommodation released in the main building has now been converted for other purposes including the improvement of general amenities for students.

There is a full account of the foundation of the School in *The History of the Foundation* by Sir Sydney Caine; and a survey of subsequent development in F. A. von Hayek, 'The London School of Economics, 1895-1945', *Economica*, February 1946.

## Official Publications of the School

The *Calendar* is obtainable (price £8.50 or US \$14.00, including postage) from the Mail Order Department, Economists' Bookshop, Clare Market, London WC2A 2AB. It is also available (in book form or on microfiche) in many University libraries.

The following publications are available from the Academic Registrar of the School:  
*Annual Report by the Director on the Work of the School*  
*Handbook of Undergraduate Courses*  
*The Graduate School*

### General Course Registration (Junior Year Abroad)

A range of leaflets describing individual academic departments, courses and subjects is also available from the Academic Registrar. Pamphlets containing administrative information for students and their tutors/supervisors, commentary on academic regulations and on School and university policy on related matters, etc., are issued every year. Separate pamphlets are available for undergraduate and graduate students; copies may be obtained from the Academic Registrar.

*LSE — Some Facts* (a brief general guide to the School's history, organisation, finances and current activities) may be obtained from the External Relations Office.

The Information Office publishes a weekly *Circular* in termtime for distribution within the School, and a biannual *LSE Magazine* (containing information of general interest to past and present members of the School) available on subscription to one of the LSE Alumnus Groups.

## The Court of Governors

### Chairman:

Sir Huw Wheldon, O.B.E., M.C., B.SC.ECON., HON.D.LITT., LL.D., F.R.S.A., D.UNIV.OPEN., (to 12.12.85)

Sir John Burgh, K.C.M.G., C.B., F.R.S.A., B.SC.ECON. (from 12.12.85)

### Vice-Chairman:

Sir John Sparrow, B.SC.ECON., F.C.A.

### Secretary to the Court of Governors:

The Director: I. G. Patel, B.A., PH.D.

<sup>3</sup>R. F. G. Alford, B.SC.ECON.

W. M. Allen, B.SC.ECON., M.A.

<sup>1</sup>R. A. Balfe, B.SC.SOC.

C. H. Barclay, F.C.A.

Sir Terence Beckett, C.B.E., B.SC.ECON.,

FENG., F.I.MECH.E., D.SC., HON.

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*Regular staff only i.e. visiting teachers are not included. Changes notified after 8 August 1985 are not included.*

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*Accounting:* to be appointed.

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*Economic History:* Professor L. Hannah

*Economics:* Professor P. R. G. Layard

*Geography:* Professor D. R. Diamond.

*Government:* Professor G. W. Jones

*Industrial Relations:* Professor K. E. Thurley

*International History:* Professor K. Bourne

*International Relations:* Professor Susan Strange (Michaelmas and Lent Terms),

Professor F. Halliday (Summer Term)

*Language Studies:* Professor R. Chapman

*Law:* Professor Michael Zander

*Philosophy, Logic and Scientific Method:* Professor J. W. N. Watkins

*Social Psychology:* Professor Robert M. Farr

*Social Science and Administration:* Professor H. Glennerster

*Sociology:* Professor P. S. Cohen

*Statistical and Mathematical Sciences:* Professor F. F. Land

### Departmental Tutors for the Session 1985-86

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*Economic History:* Mr. D. E. Baines

*Economics:* Mr. A. Marin

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*Industrial Relations:* Dr. R. Richardson

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Dr. Derek McKay (B.A. History students)

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## Central Administrative Staff

### Director

Dr. I. G. Patel, B.A., PH.D., HON.D.LITT. (SARDAR).  
*Private Secretary:* Anne de Sayrah

### Pro-Director

Professor R. A. Pinker, CERTIFICATE IN SOCIAL SCIENCE AND ADMINISTRATION, B.SC.SOC., M.SC.ECON.  
*Secretary:* Janet Wolfe

### Secretary

Christine J. Challis, B.A., PH.D.  
*Secretary:* Pamela Wilson, M.A. (CANTAB.)

**Academic Registrar:** J. A. Bursey, B.A. (DUNELM)

*Secretary:* Caroline R. Cooke

**Senior Assistant Registrar:** I. L. Stephenson, B.SC., PH.D. (LEICESTER), M.R.I.C.

**Assistant Registrar (Graduate School):** P. J. Wallace, B.A. (CANTAB.)

*Editorial Assistant, Official Publications:*

Gloria A. Henshaw

**Administrative Officer (Graduate Office):** Joan M. Alstin

**Administrative Officer (Graduate Admissions):** Barbara M. Lenny

*Principal Clerk, Graduate Admissions:*

Frances Strong

**Assistant Registrar (Registry and Undergraduate Admissions):**

Rosemary Nixon, B.A. (READING)

**Administrative Officer (Undergraduate Admissions):** Mary B. Whitty

*Principal Clerk, Registry:*

Kathleen Merryweather

**Administrative Officer (Timetables and Examinations):** Janetta Futerman

**Scholarships Officer:** Debbie Rogerson, M.A. (ST. ANDREWS)

**Administrative Officer:** Andrew D. Webb, B.A. (KENT) M.A.

**Finance Officer:** C. G. Torrance, F.C.M.A., M.I.P.M.

*Secretary:* Myfanwy C. Majka

**Assistant Accountant:** E. W. Clark, F.C.A.

**Assistant Accountant:** W. Harrison, A.C.I.S., A.A.A.I.

**Assistant Accountant:** Bryan Pearce, I.P.F.A.

*Assistant to Assistant Accountant:*

Marion E. Blakemore

*Superannuation Officer:* Valerie M. Burgess

*Payroll Officer:* Sheila Weddell

*Salaries Supervisor:* Patricia L. Barham

*Supervisor of the General Section:*

to be appointed

*Assistant to the Assistant Accountant:*

A. C. Stewart

**Internal Auditor:** R. A. Roberts (part-time)

**Bursar:** John Lauwerys, B.ED., M.A.

*Secretary:* to be appointed



**Administrative Officer (Residences and Catering):**

N. S. D. Barrett, B.A. (OPEN), M.B.I.M.

**Administrative Officer (Conferences and Functions):**

Neil Plevy, B.A. (CANTAB.)

**Catering Manager:** Elizabeth Thomas, L.H.C.I.M.A.*Deputy Catering Manager:* Peter Marks*Assistant Catering Manager:* J. Watchman*Chef:* Malvyn Mardell*Principal Clerk:* Ibolya Voros**Assistant Bursar (Administrative Services):** C. J. T. Braybrook, B.A. (OPEN)*Supplies Controller:* Mike Clark*Central Printing and Copying Services**Controller:* C. W. McBride*Central Filing Supervisor:* J. Susan Wood*Communications Supervisor:* K. J. Pearson*Telephone Supervisor:* Marie L. G. Pearson**Building Surveyor:** G. J. Wilson, F.R.I.C.S.*Assistant Surveyor:* W. H. Sealy*Electrical Services Supervisor:* A. B. Clark*Mechanical Services Supervisor:*

R. Crane

*Office Administrator:* Colin Burch**House Manager:** M. J. Strobe*Head Porter:* G. C. Churchill*Housekeeper:* Nina Bell, I.M.A.**External Relations and Appeals Officer:** Jennifer A. Pinney**Administrative Officer:** John P. McLoughlin, B.A. (T.C.D.)*Assistant to the External Relations and Appeals**Officer:* Dorothy I. Johnson, B.A. (BRISTOL)*Alumnus Assistant:* Georgina Wilkes, B.Sc. (KEELE)*Overseas Student Publicity Office:*

Elizabeth Manson-Bahr

*Information Office:* Paula Kendall**Secretary's Office****Assistant Secretary:** Adrian Hall, B.A.**Administrative Officer:** Quentin C. Maxwell-Jackson, M.A. (AUCKLAND)*Committees Assistant:* Jennifer Taylor**Publications Officer (Academic):** P. C. D. Davis, B.A., DIP.ANTH.**Academic Staffing and Personnel Office****Assistant Secretary:** Alison C. Forbes, M.A., PH.D. (EDINBURGH)**Administrative Officer (Personnel):** Maureen P. Argyle, B.A.**Administrative Officer (Personnel):** Sheila S. McKenzie, B.A. (STIRLING), A.I.P.M.**Administrative Officer (Personnel):** James A. Shaw, A.I.P.M.*Principal Clerks:**Academic Staffing Assistant:* June M. W. Brown*Supervisor Personnel Records:* Margaret L. Seaward*Personnel Assistant:* Margaret Price, B.A. (ABERYSTWYTH)**Computer Services****Head of the Computer Service**

Peter Wakeford, B.Sc.ECON., F.B.C.S.

**Programming**D. P. Dalby, B.Sc.ECON., M.Sc. M.B.C.S.: *Programming Manager*Carol R. Hewlett, M.A. (OXON.), M.Sc., M.B.C.S.: *Principal Analyst/Programmer*R. F. Kaczynski, B.Sc., M.Sc.: *Principal Analyst/Programmer*J. S. Thornton, M.Sc. (ESSEX): *Principal Analyst/Programmer*R. I. A. Clark, B.A. (NATAL), M.A. (WITWATERSRAND), M.Sc.: *Analyst/Programmer*A. M. McGlone, B.A., M.A.: *Analyst/Programmer*J. P. Skelton, B.Sc.: *Analyst/Programmer*D. C. Whitehead, B.Sc. (E.ANGLIA): *Analyst/Programmer*K. H. P. Althaus, DIP.INT. (PADERBORN) M.A. (AMERICAN UNIV. CAIRO): *Analyst/Programmer*R. A. Barns, B.Sc.: *Analyst/Programmer*R. H. G. Lim, B.Sc.: *Analyst/Programmer*A. J. Wells, B.A. (BANGOR), B.Sc. (CNA), DIPLOMA IN COMPUTING SCIENCE: *Analyst/Programmer***Operations**Alma C. Gibbons: *Word Processing Supervisor*P. A. Page: *Data Preparation Supervisor*Yvonne E. Shodeke: *Information Assistant*Chavritri Yogeswaran: *Data Controller***Centre in Economic Computing**R. O. Lloyd, B.Sc., PH.D.: *Senior Analyst/Programmer*B. Pesaran, B.Sc., M.Sc., PH.D.: *Senior Analyst/Programmer*F. Srba, M.Sc.: *Analyst/Programmer*Diana E. N. Whistler, B.A. (VICTORIA), M.A. (CALGARY): *Senior Analyst/Programmer***Suntory-Toyota International Centre for Economics and Related Disciplines**B. G. Warren, B.Sc.: *Computer Support Officer***Student Health Service**J. A. Payne, M.B., B.S. D.OBST., R.C.O.G. (LONDON): *Senior Health Service Officer and Psychiatric Advisor*S. Nickless, M.B., B.S., D.A., D.R.C.O.G., D.T.M.&H., M.R.C.G.P.: *Health Service Officer (Physician)*Camilla Bosanquet, B.A., M.B., B.CHIR. (CAMBRIDGE), M.R.C.S. (ENG.), L.R.C.P. (LONDON), D.C.H. (ENG.), D.P.M., F.R.C. PSYCH: *Psychiatric Advisor (Part-time)*Janet Richards, B.A., D.C.P. (TAVISTOCK): *Senior Clinical Psychologist (Part-time)*Valerie Little, B.Sc.PHYSIOL. (LONDON), M.B., B.S. (LONDON), M.R.C.S. (ENG.), L.C.R.P. (LONDON): *Special Advisor to Women Students (Part-time)*Jean White, M.A. (CANTAB.): *Psychotherapist-Counsellor (Part-time)*R. A. Bates, M.A., B.S., D.O.: *Ophthalmic Surgeon (Part-time)*Ruth Dawson, B.D.S. (NEWCASTLE): *Dental Surgeon*

E. Rosemary Malbon, S.R.N., S.C.M., R.S.C.N.: *Sister-in-Charge*  
 Judith V. McGowan: *Receptionist/Relief Nurse*  
 Catherine M. Teakle, N.N.E.B.: *Nursery Matron*  
 Renée Tilla, N.N.E.B.: *Nursery Officer*

Sally B. Sainsbury, B.A., DIPLOMA IN SOCIAL ADMINISTRATION; Lecturer in Social Administration: Advisor to Disabled Students

## Halls of Residence

### Carr-Saunders Hall

Edward A. Kuska, B.A., PH.D.: *Warden*  
 D. H. Tibbles: *Hall Bursar*  
 Patricia Daemi: *Deputy Hall Bursar*  
 A. J. Morris: *Caterer*

### Passfield Hall

M. Perlman, B.B.A., PH.D.: *Warden*  
 Jill Martin: *Hall Bursar*  
 Ann Colthurst: *Deputy Hall Bursar*  
 D. B. Cullen: *Caterer*

### Rosebery Avenue

Kurt Klappholz, B.SC.ECON.: *Warden*  
 Mary W. Zanfai, M.H.C.I.M.A.: *Hall Bursar*  
 To be appointed: *Deputy Hall Bursar*  
 Patricia A. Carter: *Caterer*

## Careers Advisory Service

Officers of the University of London Careers Advisory Service attached to the School  
 Patrice Ware, B.A. (SOUTHAMPTON)  
 C. D. Green, B.A. (EXETER)

*Secretary: Anita C. Scholz*

## The Chaplaincy

The Reverend Stephen Williams: *Anglican*  
 The Reverend Wesley Workman: *Free Church*  
 Father David Barnes: *Roman Catholic*

## British Library of Political and Economic Science

### Librarian

C. J. Hunt, B.A. (EXETER), M.LITT. (DURHAM), A.L.A.

### Deputy Librarian

C. P. Corney, B.LITT., M.A. (OXON.), DIP.LIB.

### Sub Librarians

David A. Bovey, B.SC.ECON., A.L.A.: *Readers' Services*  
 G. E. Angela Raspin, B.A. (DURHAM), PH.D., DIP.ARCHIVE ADMIN.: *Manuscripts and Special Collections*  
 Jacqueline M. Whiteside, M.A. (OXON.), A.L.A.: *Bibliographical Services*

### Assistant Librarians

Mary J. Auckland, B.SC., A.L.A.: *Readers' Services*  
 G. P. Camfield, B.A. (LEEDS), M.A. (SHEFFIELD): *Bibliographical Services*  
 Judith P. Geddes, B.SC., M.A., A.L.A.: *Bibliographical Services*  
 Brian Hunter, B.A., DIP.LIB.: *Bibliographical Services and Slavonic Collections*  
 Christine G. James, M.A. (EDINBURGH) A.L.A.: *Bibliographical Services*  
 E. J. Kent, B.A. (OXON.), DIP.LIB.: *Readers' Services*  
 C. R. Leggott, M.A., A.L.A.: *Bibliographical Services*  
 H. D. Nicholson, M.A. (SUSSEX), A.L.A.: *Bibliographical Services*  
 J. R. Pinfold, M.A. (OXON.), DIP.LIB.: *Bibliographical Services*  
 M. P. Wade, B.A. DIP.LIB.: *Bibliographical Services*  
 R. J. M. Wood, B.PHIL., M.A. (OXON.), DIP.LIB.: *Bibliographical Services*

### Principal Library Assistants

Beverly A. Brittan: *Readers' Services*  
 N. L. Cadge, B.A. A.L.A.: *Maps*  
 Patricia A. Driscoll, B.SC. (SOUTHAMPTON), A.L.A.: *Periodicals*  
 R. Edwards: *Library Steward*  
 A. D. Lowson, F.L.C.M., A.R.C.M., L.R.A.M., A.L.A.: *Shaw Library*  
 Donald Ross, DIP.INT. & COMP.POLS., A.L.A.: *Bibliographical Services*  
 Susannah R. Wight, B.A., A.L.A.: *Binding*

### Senior Library Assistant

H. Brewster: *Readers' Services*  
 Suzanne V. Cox: *Inter-Library Loans*  
 E. J. Fishman: *Periodicals*  
 K. M. Gibbons, M.A. (ST ANDREWS), A.L.A.: *Bibliographical Services*  
 C. Hewson, B.SC.ECON., DIP.LIB.: *Bibliographical Services*  
 Barbara Humphries, B.A. (SUSSEX), DIP.LIB.: *Bibliographical Services*  
 Sarah Jardine-Willoughby, A.L.A.: *Bibliographical Services*  
 E. Helen Leahy, M.A. (CANTAB.), A.L.A.: *Bibliographical Services*  
 Fiona Maccoll, B.A., DIP.ARCHIVE ST.: *Manuscripts and Special Collections*  
 Shelagh Murphy, M.A. (ST ANDREWS AND SHEFFIELD): *Bibliographical Services*  
 Helen C. Price, B.A. (OXON.), DIP.LIB.: *Bibliographical Services*  
 Sandra M. Pullman, B.A. (WALES), A.L.A.: *Bibliographical Services*  
 R. J. Trussell, B.A. (NEWCASTLE), A.L.A.: *Readers' Services*  
 Helen Ward, B.A., DIP.LIB.: *Bibliographical Services*  
 R. Warren: *Bibliographical Services*  
 M. Jane Wilkins, B.A. (MANCHESTER): *Bibliographical Services*

### Office Services

J. Ann Davidge: *Librarian's Secretary*  
 Jill Breen

### Processing Services

Janet Richardson

## Committee Members

### Committees of the Court of Governors

#### STANDING COMMITTEE

The Chairman of the Court of Governors  
(Sir Huw Wheldon to 12.12.85.)  
(Sir John Burgh from 12.12.85.)  
The Vice-Chairman of the Court of Governors  
The Director  
The Pro-Director  
Sir John Burgh (to 12.12.85.)  
Sir Frederick Dainton  
Mrs. E. M. Hattersley  
Lady McGregor  
Mr. Q. Morris  
Sir Claus Moser  
Mr. P. G. Palumbo  
Mr. R. F. G. Alford  
Mr. P. F. Dawson  
Professor D. R. Diamond  
Professor R. Higgins  
Professor I. M. Lewis  
Professor K. R. Minogue  
Dr. R. Richardson  
*Officer Responsible:* The Secretary

} *ex officio*

} *nominated by the Academic Board*

#### EXTERNAL RELATIONS COMMITTEE (a sub-committee of the Standing Committee)

The Chairman of the Court of Governors (Chairman)  
The Vice-Chairman of the Court of Governors  
The Vice-Chairman of the Academic Board  
The Director  
The Pro-Director  
Professor B. Abel-Smith  
Dr. E. V. Barker  
Dr. N. A. Barr  
Sir John Burgh  
Mr. P. F. Dawson  
Mr. D. J. Kingsley  
Professor I. H. Nish  
Mr. P. G. Palumbo  
Sir Antony Part  
Mr. I. M. Peacock  
Professor S. Strange  
The Rt. Hon. Lord Tanlaw  
*Officer Responsible:* Miss Jennifer A. Pinney

} *ex officio*

#### INFORMATION TECHNOLOGY PANEL

Chairman: a lay governor member appointed by the Standing Committee  
The Director  
The Pro-Director  
Chairman of the Information Technology  
Committee of the Academic Board  
The Secretary of the School

} *ex officio*

Three lay governor members of the Court  
One academic governor  
Two of the elected members of the Information  
Technology Committee of the Academic Board  
The Panel is empowered to co-opt up to three experts, who may be external to the School,  
as necessary.  
Director of Information Technology in attendance by invitation, as appropriate.

} *appointed  
by the  
Standing  
Committee*

#### LIBRARY PANEL (a sub-committee of the Standing Committee)

The Director  
The Pro-Director  
The Librarian  
The Chairman of the Library Committee  
(Mr. D. J. Sinclair)  
Sir John Burgh (Chairman)  
Mr. R. E. Bird  
Sir Frederick Dainton  
Dr. J. W. Carrier  
Professor K. R. Minogue  
*Officer Responsible:* Mr. Adrian Hall

} *ex officio*

} *nominated by the Court of Governors*

} *nominated by the Academic Board*

#### BUILDING COMMITTEE

The Director  
The Pro-Director  
The General Secretary of the Students' Union  
(Mr. Elwyn Watkins)  
The Senior Treasurer of the Students' Union  
(Mr. Richard Snell)  
Mr. A. C. Gilmour (Chairman)  
Mr. P. G. Palumbo  
Mr. S. F. Wheatcroft  
Dr. C. R. Badcock  
Mrs. J. F. S. Day  
Professor F. F. Land  
Dr. D. McKnight  
Dr. A. E. M. Seaborne

} *ex officio*

} *nominated by the Academic Board*

Two student members nominated by the Students' Union

*Officer Responsible:* The Bursar

#### HONORARY FELLOWS COMMITTEE

The Chairman of the Court of Governors  
The Vice-Chairman of the Court of Governors  
The Director  
The Pro-Director  
The Vice-Chairman of the Academic Board  
(Professor K. Bourne)  
Sir Frederick Dainton  
Sir Arthur Knight  
Mr. A. J. L. Barnes  
Dr. M. Leifer  
Professor I. H. Nish  
Professor E. A. Wrigley  
*Officer Responsible:* Miss Jennifer A. Pinney

} *ex officio*

} *nominated by the Academic Board*

## INVESTMENTS COMMITTEE

The Chairman of the Court of Governors  
 The Vice-Chairman of the Court of Governors  
 The Director  
 The Pro-Director  
 Sir Anthony Burney (Chairman)  
 Mr. C. H. Barclay  
 The Rt. Hon. Lord Croham  
 Rt. Hon. Lord Donoughue  
 Professor C. A. E. Goodhart  
 Mr. E. de Rothschild  
*Officer Responsible:* Finance Officer

} *ex officio***Committees of the Academic Board**

## GENERAL PURPOSES COMMITTEE

The Director (Chairman)  
 The Pro-Director  
 Vice-Chairman of the Academic Board  
 (Professor K. Bourne)  
 The Dean of the Graduate School  
 (Mr. P. F. Dawson)  
 The Dean of Undergraduate Studies  
 (Dr. E. V. Barker)  
 The General Secretary of the Student's Union  
 (Mr. Elwyn Watkins)  
 The Graduate Affairs Officer of the Student's Union Executive  
 (Mr. Rajan Datar)

} *ex officio*

Four student members nominated by the Students' Union

Three members of the professorial staff  
 Three Readers or Senior Lecturers  
 Three Lecturers  
 } *appointed by and from Academic Board*  
*Officer Responsible:* Mr. Quentin C. Maxwell-Jackson

## CONFERENCE GRANTS SUB-COMMITTEE

(A sub-committee of the General Purposes Committee)

The Director  
 The Pro-Director } *ex officio*  
 Professor D. A. Martin  
 Dr. M. Leifer  
 Dr. T. J. Nossiter  
*Officer Responsible:* Mr. Bryan Pearce

## CO-ORDINATING COMMITTEE

The Director (Chairman)  
 The Pro-Director  
 The Vice-Chairman of the Academic Board  
 (Professor K. Bourne)  
 The Vice-Chairman of the Appointments Committee  
 (Professor D. J. Bartholomew)  
 The Dean of the Graduate School  
 (Mr. P. F. Dawson)  
 The Dean of Undergraduate Studies  
 (Dr. E. V. Barker)  
 The Chairman of the Graduate School Committee  
 (Professor L. H. Leigh)  
 The Chairman of the Academic Studies Committee  
 (Professor A. B. Atkinson)  
 The Chairman of the Research Committee  
 (Professor D. R. Diamond)  
 The Chairman of the Admissions Committee  
 (Mr. A. J. Beattie)

} *ex officio*

Two members elected by and from the Academic Board

*Officer Responsible:* Academic Registrar

The Committee may co-opt to its membership such persons and for such periods as it thinks fit.

## ACADEMIC STUDIES COMMITTEE

The Director  
 The Pro-Director  
 The Dean of Undergraduate Studies  
 (Dr. E. V. Barker)  
 Professor A. B. Atkinson (Chairman)  
 Two members of the academic staff of the Department of Economics  
 One member of the academic staff of each department in the School other than the Department of Economics  
*Officer Responsible:* Dr. I. L. Stephenson

} *ex officio*

## COMMITTEE ON STUDENT NUMBERS

(A sub-committee of the Academic Policy Committee)

The Director  
 The Pro-Director  
 Professor K. Bourne (Vice-Chairman of the Academic Board)  
 Mr. A. J. Beattie (Chairman of the Admissions Committee)  
 Mr. D. E. Baines (Vice-Chairman of the Admissions Committee)  
 Professor L. H. Leigh (Chairman of the Graduate School Committee)  
 Mr. P. F. Dawson (Dean of the Graduate School)  
 Dr. E. V. Barker (Dean of Undergraduate Studies)  
 Mr. J. Potter (Senior Tutor to General Course Students)  
 Professor A. B. Atkinson (Chairman of the Academic Studies Committee)  
*Officer Responsible:* Dr. I. L. Stephenson

## COMMITTEE ON ACCOMMODATION

The Director  
 The Pro-Director  
 The Vice-Chairman of the Academic Board  
 (Professor K. Bourne)  
 The General Secretary of the Students' Union (Mr. Elwyn Watkins) } *ex officio*  
 Mr. D. W. Balmer  
 Dr. B. S. Johnson  
 Dr. D. McKnight  
 Dr. H. Machin  
 Mr. D. B. O'Leary  
 Dr. R. J. Paul  
 Miss S. B. Sainsbury  
 Dr. D. Stevenson

Four student members nominated by the Students' Union

*Officer Responsible:* Mr. C. J. T. Braybrook

## CAREERS ADVISORY SERVICE COMMITTEE

The Director  
 The Pro-Director } *ex officio*  
 Dr. S. R. Hill (Chairman)  
 Mrs. J. Denton  
 Miss L. M. Dugdale  
 Mrs. K. F. Russell  
 Mr. E. C. Sosnow  
 Mr. S. F. Wheatcroft } *nominated by the Court of Governors*  
 Mr. M. C. Burrage  
 Dr. C. J. Hill  
 Mr. I. G. F. Karsten  
 Dr. D. C. B. Lieven  
 Mr. S. P. Lumby  
 Mr. C. W. Noke  
 Mr. M. J. Reddin  
 Dr. D. Stevenson

Nine student members

*Officer Responsible:* Academic Registrar

## GRADUATE SCHOOL COMMITTEE

The Director  
 The Pro-Director } *ex officio*  
 Professor L. H. Leigh (Chairman)  
 Mr. P. F. Dawson (Dean)  
 Professor R. J. Bennett  
 Dr. P. W. Birnie  
 Professor K. Bourne  
 Dr. M. I. A. Bulmer  
 Dr. C. R. S. Dougherty  
 Dr. G. E. Guest  
 Professor F. Halliday  
 Mr. R. Holmes  
 Dr. E. H. Hunt  
 Dr. D. McKnight

Mr. M. Murphy  
 Dr. I. Roxborough  
 Mr. M. D. Steuer  
 Dr. M. Walker  
 Mr. L. A. Wolf-Phillips  
 Dr. E. G. Zahar  
 (Vacancy)  
*Officer Responsible:* Mr. P. J. Wallace

## INFORMATION TECHNOLOGY COMMITTEE OF THE ACADEMIC BOARD

The Director  
 The Pro-Director  
 Chairman of the Information Technology Users' Forum  
 Vice-Chairman of the Academic Board  
 (Professor K. Bourne)  
 The Librarian } *ex officio*

Nine representatives elected from the four academic departmental groupings  
 One academic governor member of the Information Technology Panel

Director of Information Technology in attendance at all meetings

## NORTHERN STUDIES COMMITTEE

The Director  
 The Pro-Director  
 The Cultural Attachés of the Four Northern Countries and Iceland } *ex officio*  
 To be appointed (Chairman)  
 Mr. D. C. Bradley  
 Mr. G. A. Grün  
 Dr. T. J. Nossiter  
 Dr. R. R. Orr  
 Dr. R. Richardson  
*Officer Responsible:* Mr. Quentin C. Maxwell-Jackson

## PUBLICATIONS COMMITTEE

The Director  
 The Pro-Director  
 The Librarian } *ex officio*  
 Professor D. A. Martin (Chairman)  
 Dr. G. D. Gaskell  
 Dr. S. R. Hill  
 Professor L. H. Leigh  
 Dr. T. J. Nossiter  
*Officer Responsible:* Mr. P. D. C. Davis

## STUDENT SUPPORT COMMITTEE

The Director  
 The Pro-Director } *ex officio*  
 Dr. E. V. Barker  
 Mr. A. J. Beattie  
 Mr. P. F. Dawson  
 Dr. R. C. Estall  
 Dr. M. R. Ferguson  
 Mr. G. A. Grün  
 Dr. F. E. I. Hamilton

Dr. M. Hebbert  
 Mr. J. T. S. Madeley  
 Mr. W. T. Murphy  
 Mr. C. W. Noke  
 Dr. T. J. Nossiter  
 Dr. R. J. Paul  
 Mr. M. Reddin  
 Dr. S. A. Roberts  
 Mr. J. J. Thomas  
 Mr. Elwyn Watkins  
 Two other student members  
*Officer Responsible:* Mrs. D. Rogerson

#### COMMITTEE ON THE STUDENT HEALTH SERVICE

The Director } *ex officio*  
 The Pro-Director }  
 (Advisor to Disabled Students) Miss S. B. Sainsbury  
 (Advisor to Women Students) Dr. J. E. Stockdale  
 Dr. C. R. Harlow (Chairman)  
 Dr. M. Hebbert  
 Dr. S. Ramon  
 Dr. S. J. Wood

Four student members

*Officer Responsible:* Mr. N. S. D. Barrett

#### COMMITTEE ON UNDERGRADUATE STUDIES

The Director  
 The Pro-Director  
 The Dean of Undergraduate Studies (Dr. E. V. Barker) (Chairman) } *ex officio*  
 Senior Tutor to General Course Students (Mr. J. Potter)  
 The Academic Affairs Officer of the Students' Union  
 One member of the academic staff of each department in the School other than the Department of Economics  
 Two members of the academic staff of the Department of Economics  
 One student member from each department in the School other than the Department of Economics  
 Two student members from the Department of Economics  
*Officer Responsible:* Miss R. Nixon

#### Appointments Committee and its Committees

##### APPOINTMENTS COMMITTEE

The Appointments Committee consists of the Director, the Pro-Director, all professors, any other conveners of departments and other 'heads of departments' (including the Librarian).

##### STANDING SUB-COMMITTEE OF THE APPOINTMENTS COMMITTEE

The Director  
 The Pro-Director  
 The Vice-Chairman of the Appointments Committee } *ex officio*  
 (Professor D. J. Bartholomew)  
 Professor R. Chapman  
 Professor M. J. Desai  
 Professor R. M. Farr  
 Professor J. Hajnal

Professor J. E. Hall Williams  
 Professor K. R. Minogue  
 Professor T. P. Morris  
 (One vacancy)  
*Officer Responsible:* Dr. A. C. Forbes

#### RESEARCH COMMITTEE

The Director  
 The Pro-Director } *ex officio*  
 The Librarian  
 Professor D. R. Diamond (Chairman)  
 Professor B. Abel-Smith  
 Dr. G. D. Gaskell  
 Dr. M. Leifer  
 Professor K. R. Minogue  
 Mr. C. A. O'Muircheartaigh  
 Dr. S. A. Roberts  
 Dr. N. A. Spence  
 Professor K. E. Thurley  
 Dr. M. Walker  
*Office Responsible:* Mr. Quentin C. Maxwell-Jackson

#### Committees Advisory to the Director

##### ADMISSIONS COMMITTEE (Undergraduate Courses)

The Director  
 The Pro-Director } *ex officio*  
 Mr. A. J. Beattie (Chairman)  
 Mr. D. E. Baines (Deputy Chairman)  
 Mr. R. F. G. Alford  
 Professor K. Bourne  
 Professor M. J. Desai  
 Mr. M. D. Donelan  
 Mr. G. A. Grün  
 Dr. C. R. Harlow  
 Mr. A. Harvey  
 Mr. K. Klappholz  
 Dr. M. Leifer  
 Dr. D. McKay  
 Professor K. R. Minogue  
 Dr. J. P. Parry  
 Mr. D. F. J. Piachaud  
 Mr. J. Potter  
 Dr. R. Richardson  
 Ms. J. M. Rutterford  
 Ms. H. M. Scoging  
 Dr. A. E. M. Seaborne  
 Mr. A. D. S. Smith  
 Mr. J. J. Thomas  
 Mr. E. Thorp  
 (One vacancy)  
*Officer Responsible:* Miss R. Nixon

## ATHLETICS COMMITTEE

Mr. C. A. O'Muircheartaigh (Chairman)  
 Dr. E. A. Kuska (Vice-Chairman)  
 The Pro-Director  
 Mr. D. W. Balmer }  
 Dr. J. E. Stockdale } *nominated by the Academic Board*  
 Professor K. R. Minogue (*representing the Senior Common Room*)  
 The President of the Athletic Union  
 The Internal Vice-President of the Athletic Union  
 The External Vice-President of the Athletic Union  
 The General Secretary of the Athletic Union  
 The Treasurer of the Athletic Union  
 The Assistant General Secretary of the Athletic Union  
 Mr. A. Macduff  
 Mr. D. Phelps (*representing the Economicals Club*)  
*Officer Responsible:* Mr. N. S. D. Barrett

## COMMITTEE ON ADMINISTRATIVE AND LIBRARY STAFFS

The Director (Chairman)  
 The Pro-Director  
 Chairman of the Library Committee (Mr. D. J. Sinclair)  
 The Vice-Chairman of the Academic Board (Professor K. Bourne)  
 The Vice-Chairman of the Appointments Committee (Professor D. J. Bartholomew)  
 Mr. P. F. Dawson }  
 Professor D. R. Diamond } *nominated by the Standing Committee*  
 The Librarian  
 The Secretary (Dr. Christine Challis)  
*Officer Responsible:* Miss S. M. McKenzie

## LIBRARY COMMITTEE

The Director  
 The Pro-Director  
 The Librarian  
 The Chairman of the Library Panel (Sir John Burgh)  
 The General Secretary of the Students' Union  
 (Mr. Elwyn Watkins)  
 The Graduate Affairs Officer of the Students' Union Executive  
 (Mr. Rajan Datar)  
 Mr. D. J. Sinclair (Chairman)  
 Professor D. A. Martin (Vice-Chairman) }  
 Mr. R. E. Bird } *nominated by the Standing Committee*  
 Sir Frederick Dainton  
 Mr. A. J. L. Barnes }  
 Dr. M. I. A. Bulmer }  
 Mr. A. Cornford }  
 Mr. G. A. Grün } *nominated by the Academic Board*  
 Dr. C. M. Lewis }  
 Dr. J. McShane }  
 Mr. W. T. Murphy }  
 Dr. C. M. E. Whitehead }  
 An Academic Governor Member of the Library Panel  
 Two student members nominated by the Students' Union

(Up to two further outside members)  
*Officer Responsible:* The Librarian

## EQUIPMENT COMMITTEE

The Pro-Director (Chairman)  
 The Vice-Chairman of the Academic Board (Professor K. Bourne)  
 The Chairman of the Information Technology Committee of the Academic Board } *ex officio*  
 Two nominees of the Academic Board  
 One nominee of the central administration  
*Officer Responsible:* Mr. C. J. T. Braybrook

## COMMITTEE ON OFFICIAL PUBLICATIONS AND STUDENT PUBLICITY

The Pro-Director (Chairman)  
 Dr. E. V. Barker (Dean)  
 Mr. P. F. Dawson (Dean)  
 Dr. N. Barr  
 Dr. P. Earle  
 Dr. R. C. Estall  
 Mr. R. Freeman  
 Dr. G. Gaskell  
 Mr. P. Muchlinski  
 Mr. J. Potter  
 Mr. J. J. Thomas  
 Two Student members nominated  
 by the Students' Union  
*Officer Responsible:* Mr. P. J. Wallace

## INTER-HALLS COMMITTEE

The Director  
 The Pro-Director  
 The Warden of Carr-Saunders Hall (Dr. E. A. Kuska) (Chairman)  
 The Warden of Passfield Hall (Dr. M. Perlman)  
 The Warden of Rosebery Avenue Hall (Mr. K. Klappholz)  
 The Academic Resident of Fitzroy Street Flats (Dr. A. Shaked)  
 The Academic Resident of Maple Street Flats (Dr. S. Alpern)  
 Four student representatives resident in the Carr-Saunders complex and comprising two students resident in the Hall and one resident in each block of flats elected by the Hall Society.  
 Two student representatives resident in Passfield Hall and elected by the Hall Society.  
 Two student representatives resident in Rosebery Avenue Hall and elected by the Hall Society.  
*Officer Responsible:* Mr. N. S. D. Barrett

## CATERING SERVICES ADVISORY COMMITTEE

The Director  
 The Pro-Director (Chairman)  
 Dr. C. M. Phillips }  
 Miss J. A. Pinney } *representing the Senior Common Room*  
 Miss J. Breen }  
 Mrs. V. M. Burgess } *representing the Administrative Staff Common Room*  
 (One Vacancy)  
 The Senior Treasurer of the Students' Union (Mr. Richard Snell)

Four student members  
*Officer Responsible:* Mr. N. S. D. Barrett

## SAFETY COMMITTEE

Professor M. Zander (Chairman)  
 Two representatives of the ASTMS  
 Two representatives of the AUT  
 One representative of the EETPU  
 Two representatives of NALGO  
 Two representatives of the TGWU  
 One representative of the SOGAT  
 One representative of the ACCTS  
 The Bursar  
 The School Health Service Officer  
 The Administrative Officer Residences and Catering  
 The Assistant Personnel Officer  
 The House Manager  
 The Deputy Catering Manager  
 The School Nurse  
 The Safety Officer  
 The Library Steward

Three student members

*Officer Responsible:* Mr. James A. Shaw

## COMMITTEE ON THE WELFARE OF OVERSEAS STUDENTS

The Pro-Director  
 The Welfare Officer of the Students' Union Executive  
 The Dean of the Graduate School (Mr. P. F. Dawson)  
 The Dean of the Undergraduate School (Dr. E. V. Barker)  
 (Advisor to Women Students) Dr. J. E. Stockdale  
 Mr. J. J. Thomas (Chairman)  
 Dr. N. A. Barr  
 Professor I. H. Nish  
 Mr. J. Potter  
 Dr. S. A. Roberts  
 (Vacancy)  
 The Chairman of the Students' Union Committee on Overseas Students' Welfare  
 Three other members nominated by the Students' Union  
*Officer Responsible:* Miss R. Nixon

} *ex officio*

## Report by the Director on the Work of the School During the Session 1983-84

1983-1984 was a year of stocktaking for LSE. The University Grants Committee asked all universities to respond to a questionnaire; our response indicates where the School stands and what its aspirations are. The departure of important members of the School has led to a reconsideration of structures as well as objectives. However, the year was by no means one of looking back. New developments were set in train in the central areas of teaching and research as well as in the administration. Physical improvements of the School's facilities have taken place. LSE looks forward to a healthy and happy future.

### The UGC Circular and the School's Response

In order to facilitate its own strategic planning, the University Grants Committee sent out a questionnaire with 28 wide-ranging questions to all academic institutions and organizations. Like others, the School spent much time and effort during the first part of the Session attempting to answer them. Indeed, the UGC questions provided a welcome opportunity for us to look at where we are today, and where we are going. The resulting response has been approved by the Academic Board as well as the Standing Committee of the Court of Governors. It may be regarded as a reflection of the current position of LSE.

The response begins with a few Preliminary Remarks. "Universities are about teaching and research at the highest levels of excellence. The purposes they serve can be attained only if their teaching remains alive by its connection with the advancing frontiers of knowledge, and if teaching and research are recognized as outstanding by those who are in a position to judge. LSE is committed above all to this traditional objective of universities." This statement has a number of implications. The School does not subscribe to a naive notion of "vocationalism" which is so prevalent these days, though it sees no conflict between academic excellence and practical usefulness. The School insists on the contribution of the social sciences to fundamental and applied knowledge. The School regards academic autonomy as a necessary condition of both excellence and usefulness.

"LSE, with over 4,200 students, is now the third largest college in the University of London (University College has over 6,800, Imperial College almost 4,900 students)." It has maintained some of the advantages of a one-faculty school. One-third of all students come from overseas, 45 per cent are postgraduates, 15 to 20 per cent are mature students. "Its peculiar student composition has exposed LSE to a greater extent than others to recent changes in government policy", though their result "demonstrates special opportunities as well as special vulnerabilities".

These become evident in our response to Questions 1 and 2 which have to do with the effect of financial cuts in the past and possible further cuts in the future. The School has responded to cuts by a three-pronged approach: by voicing opposition strongly, by tapping all available resources, and by making savings. The results is by no means all negative, though the consequences of cuts have been severe. "The teaching load of individual teachers has increased; the size of classes has risen above desirable levels; the tutorial loads of teachers are too high; teachers have fewer non-academic staff to assist them; a period of retrenchment has increased the administrative burden on academics; research has suffered as a result of the increased demands of teaching and administrative duties on academics; Library resources have been affected; new appointments have had to be related as much to student numbers as to other academic needs; degree courses in the Department of Language Studies have had to be abandoned altogether." It required special efforts to counter these threats by new academic developments as well as by improvements in existing practices. So far as the future is concerned "The School would like to proceed more systematically in its academic and



general developments. A steady state is the minimum condition for doing so. It would enable LSE to correct some of the decisions which were taken for non-academic reasons. In particular, it would make possible a gradual reduction in student numbers so as to get close to the national staff-student ratio for the social sciences, and the improvement of the quality of what is taught by a shift of resources from academically less promising areas to more promising ones, and by making sure that teaching remains research-led. There would be the possibility of making gradual progress in new fields, while remaining open for major developments where there was a case for them. A steady state would above all make it possible to abandon the piecemeal approach of recent years with its extreme uncertainty, and to turn towards a more strategic approach to development."

It follows from this that further cuts would be highly detrimental. They would put the achievements of the last five years in jeopardy. Indeed, LSE's staff-student ratio of 1:14 has to be brought closer to the national average of under 1:12; "LSE has done much to help itself. It has also relied on the traditional fairness of the Court of the University of London. However, if the consequences of retrenchment on an internationally known academic institution in the social sciences are considered and if the extremely unfavourable unit of resource is taken into account, the School believes that, far from further cuts, it has a strong case for bringing its unit of resource at least into line with the national average."

This then was the thrust of the School's response to the UGC. Other important points were made in response to the remaining 26 questions. We expressed doubt on the validity of estimates of future student numbers; these doubts are widely shared and have been taken into account by the Department of Education and Science. We reiterated the point about academic autonomy in relation to the development of subjects of study and the choice of subjects and approaches in research. At the same time, we pointed out some of our own developments in research, such as the emergence of research units and centres, and the increase in leave entitlements.

With respect to dependence on public funds, the School also has peculiar, perhaps unique experiences. "Such experiences permit a number of conclusions. Even at the best of times, the order of magnitude of private additions to university funding is small by comparison with total needs; appeals for several hundred million dollars, as American universities launch them, are unthinkable in Britain. The 'best of times' require changes in tax legislation, notably in order to encourage companies to give more; but they also require changes in attitude, in the public climate of giving. There is great reluctance on the part of all donors to step in where Government has left; donors clearly prefer new and unusual initiatives to basic funding. The important conclusion is that there will be no substitution of private funds for public funds. There can be a new contract between Government and the voluntary sector in certain areas. This is not likely to yield more than a marginal percentage of total university income. In short, to the extent to which Government withdraws from the financing of universities, universities are threatened."

The School joined many others in defending not only a broad preparation of young people for university courses, but also a healthy mixture of specialization and interdisciplinary co-operation at university level. In doing so, we emphasized the need for maintaining three-year courses. "It should not be overlooked that the duration of courses of study at universities is not simply a function of the amount of knowledge to be imparted and learned, but also one of the gradual maturing of students."

The School re-stated its strong and considered views on tenure, a subject which will figure prominently on the agenda of debate between Government and universities in future years. "In the view of the School, academic tenure is of vital importance, not only as an assurance of academic freedom but also as a pledge of academic commitment on the part of those who are responsible for subjects and their development."

The concluding questions had to do with the UGC itself, its place and its function. There was no full agreement within the School on this; much criticism of the UGC has been voiced in recent years from a number of quarters. Most however accepted the view that changes in the role and place of the UGC are largely due to the breakdown of the

quinquennial system. Without a longer time horizon than has become customary, the UGC cannot act as a buffer between Government and universities. Thus, "the problem of the role of the UGC is real. It is moreover not just one of the UGC, but one of universities and their autonomy. Our response has throughout been informed by the view that universities are about excellence, and excellence requires responsible autonomy. If this is so, then the most urgent need is one for new time horizons of planning. This in turn requires greater certainty of Government funding. At the very least, a guaranteed steady state, coupled with a rolling three-year budget projection, is needed if the valuable asset of Britain's universities is not to be put in jeopardy. Once such assurance is provided, the autonomy of universities will become more real. It will be an almost automatic consequence of such developments that the UGC will re-acquire at least part of its traditional role. Few issues are more important for the maintenance of excellence in the universities of Britain than a planning perspective which provides an element of certainty for a reasonable period of time".

The themes of the School's response are those of its actions. LSE holds a strong and clear belief in the nature of universities of which the twin notions of excellence and autonomy are the pillars. We also recognize the constraints of finance both in general and at this particular time. However, these constraints must not be allowed to destroy one of Britain's great assets. We have spelled out the conditions under which the asset of Britain's universities can be preserved. It remains to be seen how the University Grants Committee reacts to the many, and to some extent varied submissions which it has received. A response by the UGC to the responses of academic institutions is expected at the beginning of the next Session.

#### Academic and Financial Developments of the Year

In the meantime, the School did not sit back and wait for others to help. Indeed, 1983-84 was the first year for some time in which the School experienced something approaching a steady state financially. Once again, we operated a "pot" system with respect to appointments. That is to say that a certain proportion of the funds accruing from vacancies is spent on new appointments, with separate "pots" for academic staff and for academic related and non-academic staff. 1983-84, the proportion made available to the "pots" was 90 per cent which meant that we were able to make almost as many appointments as posts fell vacant.

It is important to note that the same principle will operate in 1984-85. This is in part due to the Court grant to LSE. Not only did the University of London grant increase by more than the national average, but within the University the special needs of LSE were recognized. The other main part of our income, that from (overseas) student fees, also seems safe in 1984-85. We do not expect the total number of overseas students to decline, though once again fees had to be set above the minimum imposed by Government.

Despite the operation of a 90 per cent "pot" system, the School has found it right to consider every vacancy on its merits, and to examine requests for new posts along with those for filling vacant posts. This is important: a steady state must not be allowed to turn into a stagnant state. New developments must remain possible, even if they require zero-sum games, that is, if for every new post an old one will have to go. Here, the work of the Appointments Committee on the academic side, and the Committee for Administrative and Library Staffs for all others requires delicate judgements. It is also necessary for all staff to recognize that an element of flexibility does not introduce insecurity, but on the contrary increases opportunities by making the institution more resilient.

On the academic side, new developments had three main motives: deliberate internal decisions, earmarked funds, and additional external moneys. An example for each of these illustrates the work of the School during the Session.

Important internal decisions were taken with respect to the Department of Economics. It is widely appreciated by now that the London School of Economics is

not just a school of economics. At the same time, I have felt throughout my time as Director that the School is as strong as its Department of Economics. The strength of this department is of course not easily measured. The School has never gone in for visible and audible economics, let alone for a particular line of thought about practical matters. LSE has instead striven, within the international context, to advance the frontiers of thought and research. These have involved, in recent years, a change of paradigm, or at any rate of intellectual style, which is not universally popular. It involves essentially a move towards formal models in theory, and mathematical methods both in theory and in econometric analysis. Such formal and mathematical developments have broken down traditional boundaries within economics (for example, between theory and applied economics, but also between labour economics and development economics, etc.). They have also meant that bright young people have risen to considerable prominence, as in some of the sciences. While some are highly critical of these developments, I have supported them, because they seemed to me to show a vigorous intellectual thrust and attract quality.

In recent years, the School has managed to lead in these new developments in economics, while at the same time retaining a number of more traditional and qualitative economists of distinction. Now, two things have happened simultaneously. One is that several of the older economists are retiring at the same time. The other is that some of the younger ones have succumbed to the itch for change. We have a remarkable group of first-rate scholars; but have decided to make a visible effort to add further strength. As a result, six chairs in economics will be filled within a short period: two in applied economics (so-called), one in econometrics, one in development economics, and two others. At the same time, there have been several promotions, so that the Department is going to remain the leading economics department in Britain and one of the leading departments in the world.

A second set of academic developments arises from the fact that both the University of London and the UGC have set aside funds for academic initiatives. This year, the School has benefited greatly from these additional funds. Several of our proposals will now be financed. They include lectureships in mathematics, actuarial science, economic history, social administration, money and banking, and history. Most of these are specifically designed to attract young lecturers whose careers have been stifled at the first step for reasons of university finance. We are delighted to have them. Indeed, since there has been much reference to chairs and professors, it should be added that the School has throughout appointed about ten new lecturers each year, and will appoint a considerably larger number to begin on 1 October 1984.

The third motive of developments is external finance, and here a particularly happy development can be reported. The Suntory-Toyota International Centre has received a further substantial donation from one of the original donors, Suntory Ltd. At a ceremony held in the Founders' Room on 5 July, the President of Suntory, Mr. Keizo Saji, handed over the first instalment of a total of at least £620,000 which will be made available to the Centre over the next five years. The new funds will be used for a variety of purposes, including a major comparative study of the welfare state, and a lectureship in Japanese economic history. The donation confirms the success of ICERD. There is hope that it is not the end of the story of the happy relationship between LSE, the Japan Foundation, and the Japanese donors.

There were of course other developments in external finance, the most important of which related to the LSE 1980s Fund. The Fund now stands at £1.6 million; £323,000 was added during 1983-84. Important cash elements of this increase were the Leonard Schapiro Graduate Studentship Fund (now at £17,000) and the Robert McKenzie Canadian Scholarship (£15,400), as well as additions to the Argov Studentship Fund (which now totals £78,500) and the Baxter-Edey Studentships Fund (which now totals £39,000). Two overseas subsidiaries of British firms have established studentships - for one Turkish and two Chilean students - with a total value of £140,000. In 1983-84, 109 students were given awards from the 1980s Fund, totalling more than £144,000.

Recent initiatives to reach the target of £2 million have included approaches to business firms in Britain. These have not only yielded further moneys, but also new ideas, of which two are being actively pursued: the setting-up of a student loan fund in conjunction with the National Westminster Bank which has promised its support, and the creation of further sponsored studentships by firms at home and abroad.

Academic developments were accompanied by administrative developments. The new Secretary, Dr. Christine Challis, has had an excellent start. She had to divide her considerable energies among a number of things, including the administration itself. In future, there will be a Finance Officer, an Academic Registrar and a Bursar as well as an Appointments Officer and an External Relations Officer, all of whom will be directly responsible to the Secretary. A number of appointments have been made, and the re-shaping of the administration will continue, with a view to achieving a fully integrated structure within which everyone can make an effective contribution to the School.

Not all demands on the Secretary's time were expected, let alone planned. Towards the end of the Session, the School has become a building site. This is partly design; we have long needed a new lift in the East Wing. It is partly a response to needs perceived some time ago; the re-wiring of Connaught House was necessary. But partly it is totally unexpected; this is true not only for the discovery of small quantities of asbestos in Connaught House, but above all for the surprising need to reconstruct a considerable portion of the ceilings in the new Library. Such building work tests the nerves, and the patience of everybody. However, its result will be greater safety, efficiency, and comfort.

Student concern during the Session focused on three major issues. The first is student accommodation. Students, staff and governors agree that the School needs more, and more appropriate accommodation for students. So far, a number of apparently hopeful attempts to find such accommodation have in the end come to nothing. However, the search will continue; in future, it will be based on a survey of demand and other precise information. Secondly, students raised the question of access to student files. The School responded by stating clearly that files do not contain political or medical information. But the point was also made that access for students would devalue files and indeed lead to a black market in information which would still remain inaccessible. Thirdly, a survey was conducted to establish whether allegations of sexual harassment of women students had any substance. The survey showed that many students had experienced harassment or felt fear of it, largely from fellow-students, but also from staff. There is much support for the appointment of an advisor to women students. The issue is serious enough to warrant further discussion.

A fourth issue was, curiously perhaps, not really on the agenda of discussions between students and School committees: committee membership. In my last Report, I discussed the issue at some length, made some suggestions, but also indicated that I would prefer not to introduce any changes in my last year. I am glad to say that the relevant committees followed this advice in both respects. There were further, and detailed discussions of the possible merger of the General purposes Committee and the Academic Policy Committee. Discussions focused on the method of electing student members, and on the future role of two sub-committees of the APC, the Graduate School Committee and the Academic Studies Sub-Committee. Some issues were resolved, others not, so that in the end the decision was taken not to force through a change for which the time was after all not yet quite ripe.

#### A Ten-Year Balance

Since this is my last Report as Director of the School, there may be a case for looking not just at the Session 1983-84, but at some of the salient points of the ten years during which I had the pleasure of being the academic and administrative head of the School.

These were eventful years, and years in which the mood of the School was determined by many external and internal factors. I had intended the first sentence of each of my Reports to convey something of the mood of the year. Here they are: "On balance, and perhaps a little surprisingly, 1974-75 was a good year for LSE." "For LSE, 1975-76

was a year of exploration, of probing new ideas and possible courses of action." "The story of LSE in 1976-77 is a story of mixed fortunes, of continuity on the one hand and setbacks on the other." "For LSE, 1977-78 was a year of remarkable progress." "1978-79 was, for LSE, a year of quiet progress which ended in a series of shocks." "The story of LSE in 1979-80 is one of success in the face of adversity." "1980-81 was a Session in which the School braced itself for harder times to come." "For LSE, 1981-82 had one dominant theme: how do we reconcile academic quality and financial viability?" "For LSE, 1982-83 has been a year of imminent change." "1983-84 was a year of stocktaking for LSE."

For our memories, both individually and institutionally (if there is such a collective memory), events are more significant than moods, and indeed each year had its high or low points, sometimes both: 1974-75 - last Quinquennial Development Statement, closure of Houghton Street ("I sometimes dream of it as an open-air area..."), first financial problems. 1975-76 - debate about the "British Brookings", completion of Library Appeal and possession of Strand House, new catering arrangements (Pizzaburger, Beaver's Retreat etc.). 1976-77 - the great debate about higher overseas students' fees both within and outside the School, students accept committee membership ("the 1969 offer"), creation of External Relations Committee, Business History Unit. 1977-78 - Strand House re-named Lionel Robbins Building, creation of International Centre for Economics and Related Disciplines (ICERD), Sir Keith Joseph first prevented from speaking, then invited back ("an object lesson in free speech"). 1978-79 - move of the Library, official opening of Lionel Robbins Building by Queen Elizabeth the Queen Mother, the South African investments issue, first expenditure cuts by new Government. 1979-80 - massive cuts in recurrent grant and increases in overseas students' fees, lobby of Parliament, launch of LSE 1980s Fund, completion of moves within the School to space vacated by the Library. 1980-81 - definition of School policy in the face of cuts (no redundancies, promotion on merit continues), increase in (overseas) student numbers, new statutes of University, Swinnerton-Dyer Committee. 1981-82 - gradual stabilization of finances, concern with academic quality (Chapman Report on teaching), the Queen Mother an Honorary Fellow. 1982-83 - retirement of Mr. Alcock and Mr. Pike as (joint) Secretaries and appointment of Dr. Challis as new (single) Secretary, discussion of committee structure and student involvement (Cornish Working Party), cleaning of buildings and paving of Houghton Street by anonymous donor. 1983-84 - the "open-air area" is complete, UGC questions and response, further research donation for (Suntory-Toyota) ICERD, academic initiatives, retirements and new appointments.

It was not by choice but by necessity that my Reports contained, from the beginning, a great deal of financial information. These last ten years have seen a fundamental shift in the sources of income of LSE. Table 1 (see page 75) tells a part of the story, though it requires a few words of interpretation.

First of all, the apparent increase in total income is merely apparent. It really is no more than an adjustment to consistently high levels of inflation. If one adjusts the figures for inflation (and, for the present purpose, defines the 1974-75 position as 100), the School's income has increased in real terms, by 1983-84, by about 10%.

Table 1 shows clearly the impact of what might well be called, by analogy to the oil shocks, the two grant shocks of recent years, the first to become effective in 1977-78 (under a Labour Government), the second in 1980-81 and 1981-82 (under a Conservative Government). During the first of these shocks, the School's recurrent grant declined from just under 80% to just over 60% of total income; during the second shock, it declined further to above 45% of total income. Calling such a change fundamental, or massive, is an understatement.

In both cases, the resulting gap had to be filled above all by student fees. The first grant shock led to a simultaneous increase of home and overseas fees which, in the case of home fees, meant a mere re-cycling of Government funds from central government (responsible for recurrent grants) to local government (responsible for home student

grants and fees). The second shock hit above all, and in effect only, overseas students whose fees now account for very nearly 30% of the total income of the School. Indeed, home student fees were lowered significantly beginning in 1982-83 in one of those absurdly half-hearted policy changes of which the attentive statistical analyst can discover several in Table 1.

Table 1 also tells the story of the School helping itself, especially if it is read in conjunction with Table 2 (see page 76). Two items deserve attention above all. One is the successful attempt to keep overseas numbers up despite very large increases in fees. More than that, in order to remain financially viable, the School not only had to keep these numbers up, but to increase them by several hundred. (This policy alone explains the sudden jump in total student numbers in 1980-81, as can readily be seen from the breakdown in Table 2.) Such an increase required a major, and speedy effort by the School. It was masterminded by the then Pro-Director, Professor Alan Day. The fact that all members of the School proved prepared for the adjustment has contributed greatly to the present condition of relative financial stability.

It has of course also raised questions. One of these concerns the geographical origin of overseas students. Has our recruitment shifted from poor countries to rich ones? At first sight, this is not the case. Comparing the proportions of overseas students from various parts of the world in 1974-75 and 1983-84, the following picture emerges:

	1974-75	1983-84
Europe	20.1	21.5
Asia	29.1	27.9
North America	30.7	36.2
South America	4.5	3.8
Africa	10.5	9.0
Australia	5.1	1.6

There is, to be sure a detectable increase in the proportion of students from North America, but the proportion of students from Asia and Africa has declined merely from 39.8% to 36.9%. A closer look reveals greater anomalies. The Australian figures apply to Canada also; students from temperature Commonwealth countries have all but disappeared. Among students from Asia, those from Hong Kong, Singapore and also Malaysia are dominant; though it has to be added that we lost our Indian students a long time ago. Still, it can be said that the School's policy to keep not only its overseas students numbers up, but to maintain the characteristic "mix" of countries of domicile, has been successful.

The other question suggested by the School's attempt to help itself to do with academic quality. The shift in sources of finance coupled with largely unchanged patterns of expenditure raises the obvious, and related questions of how well we serve our students, and whether our teachers have the time to continue their research as well as perform their teaching duties. The seriousness of these questions is underlined by the deterioration of staff-student ratios shown in Table 2. The School had long fought for an improvement in its staff-student ratio from the traditional 1:15 or so to 1:10 or better. It had just achieved this objective when the two grant shocks of the last ten years hit it. Today, as we have pointed out in our response to the UGC, LSE has a staff-student ratio well above the national average. I am not proud of this development. In fact, it defines the greatest single task for the future. But I am proud of the way in which members of the staff of LSE have coped with this situation, for I believe it can be stated without rhetoric or hypocrisy that academic quality has not suffered, because everyone has been prepared to make a greater effort.

There is one other aspect of Table 1 concerned with helping ourselves. As can be seen, the proportion of income from "Endowments and Donations" has roughly doubled over the ten years. The proportion from "Research Grants and Contracts" has also increased significantly. Perhaps, some would doubt the use of the word, significant,

here: after all, the increase in each case is little more than 1%. But then, the introduction of a greater private element into university finance is bound to be an extremely slow and difficult process. Adding 2% of total expenditure by more donations and research grants is a considerable success both by comparison to others and in absolute terms. It is of course a real success only if it is sustained, and more, if it indicates a continuing upward trend.

Table 1 does not reveal income from private sources as such. Research contracts, for example, include contracts from Research Councils. If one sorts out the strictly private element, the cumulative income picture for the ten years is as follows:

1974-75	£ 436,103
1975-76	£ 587,908
1976-77	£ 685,376
1977-78	£ 979,423
1978-79	£2,529,057
1979-80	£4,748,840
1980-81	£5,203,588
1981-82	£5,568,331
1982-83	£6,117,682
1983-84	£7,374,194

A kind person has calculated that this means £2,020 for every day of my directorship. Some other observations may be more to the point. One is that there is fortunately some (inverse) relationship between government grants and private income. At least a small part of the gap left by Government has been filled by our friends and former students all over the world. Then there is the pleasing fact that LSE has been able to keep up its research effort, largely by the generous donations made by the Suntory-Toyota Foundation for which the School owes a lasting debt to Professor Michio Morishima. Furthermore, there is our history of appeals. The Library Appeal, so closely associated with the name of Lord Robbins, was not only a spectacular success in itself, but also left us a legacy of appeal competence which stood us in very good stead indeed. We could not have been as successful with the LSE 1980s Fund as we have been without this competence, though this particular appeal is still far from complete. At the end of the Session 1983-84 £1.6 million of the £2 million sought have been found (and some £550,000 disbursed). The School's capacity in this area will be badly needed when thoughts of an endowment appeal, perhaps in connection with the centenary in 1995, gather momentum.

For the rest, the tables, and notably Table 2, show a picture of remarkable stability. With respect to overseas student numbers, and the geographical origin of students from abroad, this point has already been made. The School has also kept up its high proportion of postgraduates (around 45% of all students throughout). It is hard to attain precise figures about the number of post-experience, or mature students of the School, but from scattered evidence and one attempt at a more systematic survey it would seem that nearly 20% of all students have several years' vocational experience when they come to LSE.

Stability, or more precisely perhaps, stability in change has also been the keyword for staff during these ten years. There has, to be sure, been considerable turnover. Academic staff at LSE did not display the unusual age distribution characteristic of institutions which have grown significantly in the 1960s. Thus, there were retirements and other departures throughout. While the number of professors has remained virtually unchanged in these ten years, only 18 of the 56 professors whom my successor will encounter in the Appointments Committee next year will have been among the 56 professors whom I encountered in 1974.

Statistics tell many stories, but they never tell the whole story. Let me add therefore a few points of policy which have guided me throughout these years. Perhaps principle

or guidelines are better words than policy, because from the beginning, I was convinced that universities do not need policies. What they are about, is always clear; it is excellence. But they need certain principles or guidelines to achieve this objective under changing conditions.

The first of these guidelines or principles is that it is the task of the School's administration to protect the essential purposes of the institution which are academic. Successes and failures of this intention have emerged from the statistical analysis. Today, the School is financially relatively stable, but it also operates at a degree of staff involvement which it may be difficult to sustain, and both statements have to be qualified by reference to the continued uncertainty of the financial and general position of universities, especially in the social sciences.

Protecting the essential purposes means taking a clear position outside, and giving all possible assurances inside. The School has never left any doubt in the minds of Government and the interested public about its views on recent changes in Government policy. These attacks on the very foundations of institutions which are not only strong, but also highly cost-effective, are a strange form of national masochism. In so far as they are directed against the social sciences in particular, they are short-sighted and ill-informed. The uncritical application of market or business considerations to universities shows a naive ignorance of both the realities of business and the requirements of academic excellence. Britain must be careful not to destroy one of those institutions – the universities – which have been, and still continue to be, the envy of the world.

Giving assurances inside means doing everything one can to keep the special institution, LSE, afloat. I have seen my task above all in this objective, and have therefore resisted attempts to draw me into the general realm of university politics. What LSE has done to help itself is well known and has in part been reiterated here. The assurances to staff about job security, promotion opportunities, fairness, are equally important. So is a practice of open government, that is of generous information about the position of the School at all times, coupled with clear lines of responsibility for action. At the risk of being misunderstood, let me add this point of personal conviction: in order to be effective, decisions have to be supported, but it is neither particularly helpful nor necessary to engage in endless committee discussions about all decisions before they are taken. I know that this raises all the old issues of "democratization", but I also know that in universities as elsewhere initiative is as important as control and must never be stifled.

Incidentally, this conviction is also the reason why I have not been very eager to re-arrange the existing committee structures or any other structure for that matter. As long as existing structures can be made to work, one should not fiddle with them (although I would also admit that one sometimes has to anticipate the breakdown of structures and make changes before one is forced to do so and can no longer introduce them calmly and with due consideration).

A second guideline is apparently, though only apparently, in conflict with this belief. It has to do with the place of research at the School, and with academic developments more generally. When I arrived, I found a prevalent belief that the School has to be organized in a "tidy" way. Departments were an unfortunate concession to the spirit of the times, and perhaps to size, but above and beyond these there should not be any "units", "centres" or other elements to detract from the clear structure of the whole. I never fully understood such a preference for "tidiness", though I was soon made aware of the perception of the School's history behind it. Insistence on "tidy" structures turns out to be, more often than not, a straightjacket on development. Since we had enough constraints to cope with in these last ten years, it seemed to me from the outset that one must allow new structures to grow where there is a demand, or even an opportunity for them.

This is the attitude which underlay the flowering of research at the School in the last ten years. The Suntory-Toyota Centre is the most spectacular illustration. It will provide, from 1984 onwards, at least £350,000 annually for research in virtually all fields

represented at the School. It has already become a focus of academic debate, of international exchange, of interdisciplinary work, of distinguished lectures. But the Centre is by no means the only example of a certain "looseness" of organization. The Economic and Social Research Council finances the large and important Designated Research Centre in Labour Economics, the major project in econometrics, and the Centre for Economic Computing. The Business History Unit has made its mark both within and outside the School. The Decision Analysis Unit advises Government and other institutions and organizations. The Centre for International Studies continues to invite distinguished visitors from abroad. Many other research projects have grown into small units. All these ventures not only serve their obvious purpose, but also contribute to teaching and of course to the academic life, not to say liveliness, of the School in general.

Similarly, academic subjects have been allowed to grow where there was a desire for them to grow, or a chance. Population studies has now become a strong sub-department with two professors and four lecturers. In the quantitative interstices of economics and statistics as well as mathematics, there have been major developments. More recently, new opportunities have been created for applied economics as well. In law, the international dimension has increased in importance. Turning the Accounting Department into a Department of Accounting and Finance has been more than a change of name. Across departmental boundaries, there has been a new emphasis on Japanese studies, on the comparative analysis of industrial relations, on quantitative economic history. This list is far from complete.

Thus, if I leave to my successor a less than "tidy" structure with many units and centres, and (one hopes) decreasing emphasis on departmental boundaries, it is also one in which initiative flourishes, and the School as a whole remains sensitive to new departures in the social sciences, to open frontiers.

Relations between the School and the outside world represent one of the perennial issues in the life of LSE. Unlikely as this may sound to some, the School is both monastic in its institutional values and linked in a multitude of ways to the so-called real world. This is entirely as it should be. Were the School to abandon its academic values in order to become a part of the real world, it would lose much of its quality, both in the sense of excellence and in that of uniqueness. This is why the early attempt on my part to introduce a policy studies centre at the School failed. This is also why the School has remained sceptical of all fashionable notions of "relevance", whether they conceal the political bias of the right or the left. Whatever the interests and commitments of its members – and they are as numerous as they should be given our subjects, our history and our location – the School itself provides a framework for integrity, detachment and demanding quality. In this way LSE may well have found the only viable answer to the eternally vexing dilemma of values and (social) science: the combination of individual involvement and institutional independence.

This approach is not in conflict with a third principle by which I have been guided which is that we need to strengthen and make durable our external relations. This is not just a question of economic necessity, though the financial aspect is not to be discounted in relations with friends and former students. It is also a question of constituencies. Fortunately, we have a Court of Governors of which individuals from many walks of life are members. In this way, we are closely linked to the outside world. The LSE Society, our main alumnus organization in the United Kingdom and beyond, has three representatives on the Court. In addition, there are now organized groups of former students in 30 countries, and new ones are added each year. Some of these, like the American Friends of LSE, have an active life of their own, while at the same time helping the School in a variety of ways. Dr. Anne Bohm, in her capacity of External Relations Consultant, has toured the world more than once and encountered much support for the School in many countries. The Alumnus Office at the School keeps track of these developments, works hard to complete and update the register of former students, sends out material including the *LSE Magazine*. At the same time, all financial

links with the world are tied together by the Appeals Office which has undertaken an increasingly complex task with great skill and success. The External Relations Committee, one new committee set up in my time, is now universally acknowledged as a vital part of our structure.

The philosophy underlying such developments is simple. The withdrawal of Government funding from universities requires action by universities themselves. We have acted. The private element of our income is respectable if not spectacular. More importantly, we have developed the constituency of our former students and friends. They remain members of the wider community of LSE. We in turn have gained a dimension by such developments.

There remains a fourth principle or guideline which I have tried to follow. It is less tangible than the others, because it has to do with the climate prevalent at the School; yet some might argue that it is the most important of all. Academic work cannot flourish in a climate of fear and insecurity, indeed no work can. Academic staff have to see that their primary concerns are not neglected in favour of ultimately secondary matters; supporting staff have to be sure that their place in the scheme of things is appreciated; students have to realize that they have entered a place of learning and exploration. Academic institutions are immensely sensitive in all these respects. Small ripples can cause lasting disturbances. There is more at stake here than the profitability of a business firm. While we still know little about the conditions of creativity, we do know how easy it is to destroy them, and the same is true for that delicate human relationship between *magistri* and *scholares*, academic teachers and students.

For LSE is special even as a *universitas magistrorum et scholarium*. I have sometimes tried to find words to describe this special intellectual climate, but have not succeeded any better than others. Norman Mackenzie speaks of the "positivism" of the Fabians which has turned out to be much more pervasive than their socialism; but I doubt whether the great Karl Popper would like the word. José Harris, in her biography of Beveridge, calls it the "rationalism" of the School, a belief in the victory of reason, that is, of the insistence on the demonstrable, not to say the factual. Not everybody, however, will even wish to match Beveridge's obsession with facts and figures. The Virgilian motto proposed by Edwin Cannan for the School – (*felix qui potuit rerum cognoscere causas* – still seems to me the best indication of what makes LSE tick, though in one important respect it begs the question: we are no nearer a definition of the climate in which it is possible to discover the causes of things.

Perhaps, there are more tangible ways of approaching an answer. Among the many kind letters which I received at the end of my LSE time, there was one simply signed "Student" ("I am a student in my first year and would like to send my deepest thanks to you before you leave LSE"): "As soon as I arrived here I was very impressed with your extremely positive image which was felt by both students and teachers. I gather that students take their studies somewhat more seriously now (maybe also due to the unemployment prospects. . .) whilst still enjoying the friction (the *frisson?*) of politics and debate. There is no over-exaggerated pride to be a student here; no one is forced to believe such and such about the School; in fact the casualness of it all makes it all the better. Another enjoyable feeling is the incredible amount of intellectual energy which is present throughout the university." It is flattering of "Student" to think I am "the person behind the atmosphere we presently encounter at LSE", but much more important is the atmosphere itself. May it long continue to pervade the School!

#### People and Events

The School is as strong as the people associated with it. This year, there are many whose names must be mentioned.

During the year, we lost five distinguished Honorary Fellows. Professor Sir Roy Allen, who died on 29 September 1983, had been teaching statistics at the School for no less than 55 years; a Memorial Meeting was held in the Founders' Room on 1 March 1984. Professor Raymond Aron died on 17 October 1983: in his *Mémoires* he describes

the Reform Club lunches with Fritz von Hayek and Lionel Robbins during the war. Professor Leonard Schapiro had personally built up the study of Russia at the School; the record of the Memorial meeting held on 23 January 1984 gives a sense of his many contributions as well as the warmth and friendship which he engendered. Dr. Audrey Richards died on 29 June 1984; she had been teaching anthropology at the School at various times between 1931 and 1950, and had been a generous benefactress as well. On 15 May 1984, Lord Robbins died after a long illness. Second only to Sidney Webb's, his name is associated with more than sixty years of the School's life, in which he served it as a lecturer and professor, holder of academic office and chairman of the Court of Governors, as an author and friend. A Memorial Service for Lord Robbins of Clare Market will be held on 11 October 1984. The obituary which I wrote for *The Financial Times* is attached to this Report.

The Honorary Fellows Dinner was held at the School on 22 May. On this occasion six new Honorary Fellows were created: Professor Donald Coleman, Professor Aubrey L. Diamond, H.E. John A. L. Morgan, Sir Antony Part, Professor Amartya K. Sen and Senator John Tower.

Five of the six new Fellows are former students or members of staff. The sixth, Sir Antony Part, occupies a special place among them. Sir Antony served as Vice-Chairman of the Court of Governors from 1978 to July 1984. During that time, he has helped the School in many ways. He took a special interest in student hardship and was instrumental in setting up the inquiry which led to the creation of a Student Support Committee. He was the first chairman of the newly-created governing body of the Library, the Library Panel. He was much concerned with the advancement of applied economics, and not only suggested the creation of a chair in the field to the Standing Committee, but spared no effort to collect the money for what will be the Norman Sosnow Chair in Money and Banking.

A Selection Committee was set up to consider the Chairmanship and Vice-Chairmanship of the Court. It recommended first the extension of the appointment of Sir Huw Wheldon as Chairman until December 1985. Then it suggested the election of Sir John Sparrow as Vice-Chairman. Sir John is a partner of Morgan Grenfell, was head of the Government's Central Policy Review Staff and is a former student of the School. Both appointments were confirmed by the Court of Governors.

There was a change also at the head of the LSE Society when Mrs. Eva Morris, J.P., took over from Mrs. Kit Russell OBE who had held the post since 1977, and to whom LSE is indebted in so many ways.

Mention has been made already of the fact that the Houghton Street precinct was completed. It now provides a welcome improvement of the urban landscape of LSE. At its meeting on 23 May, the Academic Board expressed the gratitude of all at the School by unanimously adopting a motion proposed by Dr. R. C. Estall and Professor E. Hall-Williams:

Great appreciating the transformation of the environment that has been brought about by the cleaning of buildings and the construction of the precinct in Houghton Street, the Academic Board wishes to express its gratitude to the Anonymous Donor.

Once again, a considerable number of our staff are retiring at the end of the Session. They include ten professors, among them several of colleagues who have held academic office: Professor Alan Day, Professor Susan Dev, Professor A. S. Douglas, Professor John Griffith, Professor Emrys Jones, Professor Fred Northedge, Professor Alan Prest, Professor Ben Roberts, Professor Denis Sargan, Professor Basil Yamey. The Librarian, Mr. Derek Clarke, is also retiring, as are the School's Registrar, Mr. Graham Ashley, and the Accountant, Mr. Brian Parkin.

Others retiring in 1984 include two Senior Lecturers, Miss Zofia Butrym and Mr. Keith Panter-Brick, four members of the Library staff Mr. Vic Biswell, Mr. F. W. Blackburn, Miss Margaret Blount and Mr. Kenneth Parsons, six senior administrative

officers: the Director's Assistant Miss Gwen Bingham, the School's Information Officer Miss Shirley Chapman, the Alumnus Officer Miss Ambrosine Hurt, the Personnel Officer Miss Susan Levett, the Bookings and Functions Officer Miss Barbara Powrie, the Administrative Officer of the Economics Department Mrs. Dorothy Williams as well as Miss Pearl Baggot, Mrs. Ethel Baldwin, Mrs. Dorothy Castle, Mrs. Eileen Ellis, Mrs. Mina Lewis, Mrs. Olga Nebel, Mr. John Newton and Mr. John Wackett. The School wishes all of them health and fulfilment in their retirement.

Newly appointed or promoted professors will soon take the place of those who are going. At the beginning of the new Session, the following will join the Appointments Committee: Professor Mervyn King in Economics, Professor Peter Robinson in Econometrics, Professor Ken Minogue in Political Science, Professor Howard Glennerster in Social Administration, Professor Maurice Bloch in Anthropology, Professor Andrew Harvey in Statistics and Econometrics. Several further professorial appointments – in economics, economic history, geography, industrial relations, international relations – will be made in the near future. A new Librarian has been appointed; Mr. Christopher Hunt will take up his duties in February 1985. The new Academic Registrar, Mr. Jonathon Bursey, will join the School early in the new Session.

The end of the Session marks the end of my ten years at LSE. On 1 October, I shall take up my old duties as a Professor in the Faculty of Social Science of the University of Konstanz in Germany. The School has been generous to me to the end. The Honorary Fellows Dinner, the Senior Common Room Dinner, the LSE Society Dinner and a special reception by the Court of Governors on 12 July were all turned into friendly, if somewhat nostalgic, occasions for saying farewell. At the final reception, the portrait painted by Mr. Rodrigo Moynihan was unveiled. To our delight, my wife was included in most of these occasions; her association with the School is almost as long, and certainly as close, as mine.

I have been lucky in my years as a Director right to the end. No-one told me that it was time to make way for someone more active, nor did I sit all alone during my last term at the head of the table (which of course we no longer have) because nobody wanted to talk to me. On the contrary, I have found many friends at the School. Without them, I could not have done the job. The Chairman of the Court, Sir Huw Wheldon, has shown exceptional understanding, commitment and humanity. I shall never forget the warmth and helpfulness of the Pro-Director, Professor Michael Wise, who was there when he was most needed. I remember with affection the others, academics and lay Governors, who held office while I was Director, as well as the administrators with whom I worked closely, many other staff, quite a few students and last, but not least, those invaluable people to whom the School owes so much, the porters.

LSE will forever be a part of my life. Of my professional life, it may well turn out to have been the most important, and is quite likely to have been the most rewarding part. The School is a great academic institution. Its combination of scholarship and commitment, of London and the world, of quality and humanity, of awareness of history and openness for the future, is unique. When I came, I vowed that I would do everything in my power to leave it in as good a state as I had found it. I hope I have succeeded in that objective at least.

It remains for me to wish my successor, Dr. I. G. Patel, luck, good humour and success.

RALF DAHRENDORF  
September 1984

## LORD ROBBINS: AN APPRECIATION

## THE TRUE RENAISSANCE MAN

Even if one does not particularly like the phrase "Renaissance man", let alone its generous use today, it is hard to deny that it describes the rare combination of talents and achievements which characterise the long and rich life of Lionel Robbins.

An economist of distinction, a public figure as adviser and servant of governments, a lover and promoter of the arts, chairman of academic and other institutions, a notable author and orator, a true professor – indeed, if one adds up LSE and *The Financial Times*, Covent Garden and the House of Lords, the Committee on Higher Education and many other institutions which he shaped, there can be little doubt that he belongs "among the most distinguished men of the century".

When Lionel Robbins came out of World War I, in his own words "an awkward, discontented soldier," he had to await a generous mood of his father's to be permitted to read economics at the London School of Economics. He came to LSE in 1920, at the age of 22; and LSE remained the thread which accompanied his life to the end of his days. His first attempt to get away to New College, where he became a lecturer in 1924, did not last long at all; and whereas the second attempt lasted two years, from 1927–29, the school offered him a Chair in 1929, and he returned to stay.

It was Lionel Robbins who presided over Friedrich von Hayek's first lecture at LSE in 1931, and who persuaded Hayek to join him at LSE. Between them, these two great men determined economics at the School for many years.

Lionel Robbins' contributions to the life of LSE are numerous. In 1937, William Beveridge, during his last year as Director of LSE, accused the Economics Department of the School as being unduly mathematical and theoretical, too "pure". Professor Robbins was incensed. He produced a long memorandum, calling the Director's attention to the need to get his facts right, and underlined a sentence which will amuse many today: "The plain fact is that until this year we have had precisely three teachers in the departments included under Economics by the Director who could be regarded as predominantly 'pure' – Professor Hayek, Dr. Hicks, and Mr. Kaldor." What a long way economics has gone since then!

Lionel Robbins too went a long way. But he always remained a political economist in the best sense of the word. His books, whether specific – like *Money, Trade and International Relations* – or general – like the *Essay in the Nature and Significance of Economic Science* – all manage to apply historical depth, careful thought, and the critical use of knowledge to real issues. One of his most recent books, *Political Economy Past and Present*, summarises in style and content the dimensions of Lionel Robbins' economics.

He was too subtle a scholar to see himself as belonging to any one school. He delighted in pointing out the inconsistencies between Keynes the monetarist and Keynes the demand-side economist while agreeing with both, to an extent.

He was by no means uncritical about "liberal economics". But somehow he managed to put together the best of many schools of economic thought into a tradition of reasonable thought about the real world. The liberal element was certainly strong in this tradition, but so was a pragmatic bent. Indeed, Lionel Robbins was precisely the kind of economist who is in such short supply today: not overstating his case, but thoughtful, experienced, open and self-critical, and yet not averse to giving specific advice.

The story of Lionel Robbins and the London School of Economics was not free of tensions. For many years, he, as much as Laski, determined the intellectual climate of the School. But when he accepted the chairmanship of *The Financial Times* in 1961, the School showed him its most puritanical side. For one of the least understood aspects of the LSE is that it deliberately closes its shutters to the impurities of the real world around. This is the basis of its indisputable academic quality, its scholarly

incorruptibility: it is also the reason for an otherwise surprising abstinence in practical affairs: no LSE model of the British economy, no British Brookings at LSE.

Professor Robbins had to resign; though he returned soon after as member, and from 1968 Chairman, of the Court of Governors. As such, he was to steer the School through a troublesome period in which he naturally made enemies as well as friends.

But then he offered the institution which had been the centre-piece of his life the greatest gift. By starting and successfully completing a private appeal, and by attracting additional public funds, he enabled LSE to purchase the former warehouse and administrative centre of W. H. Smith's and convert it to library purposes. The school has tried to express its gratitude in turn by naming the new home of the British Library of Political and Economic Science the Lionel Robbins Building.

Long before that, after he had received a life peerage in 1959, Lionel Robbins had already linked his name permanently to LSE by persuading the Garter King of Arms to allow him the unusual style, Lord Robbins of Clare Market, after the street running through the School.

The chairmanship of *The Financial Times* was but one of several outside commitments of Lionel Robbins. He himself regarded this too as a public commitment. He called *The Financial Times* an "organ of the Press which, like *The Times* and *The Economist*, has become something of a public service". He was a director of *The Economist* between 1960 and 1975 and joined the board of the Economist Intelligence Unit in 1973.

During the war, Lionel Robbins was the Director of the Economic Section of the Offices of the War Cabinet. At the end of the war, he was, with Keynes and others, responsible for designing and establishing the international institutions which served the world so well until the 1970's.

Then in 1961, Lord Robbins accepted the chairmanship of the Committee of Higher Education. It is conceivable that the "Robbins Committee" and the "Robbins principle" (according to which every gifted 18-year-old should have a chance to go to a university or polytechnic) will be the achievements for which the great man is remembered above all; though his recent book *Higher Education Revisited* as well as a number of speeches in the House of Lords make one wonder just how pleased the author of the principle was about its effects in later years.

In fact, however, Lord Robbins accomplished a breakthrough in the history of British higher education which was no less important than – indeed related to – the Butler Act of 1944 for general education. He established the important fact that education does not end at 18, and he opened higher education for wider groups and purposes.

Now that such principles are under pressure, it is all the more important to emphasise that education is a civil right, not a luxury. This was never denied by Lord Robbins. What he minded in recent years was the disappearance of necessary distinctions in the system of higher education, and above all the disease of over-specialisation. He loved to hold up the more generalist education which he thought was offered "north of the border", in Scotland, as an example.

This picture of a great man would be sadly incomplete without the arts. In his *Autobiography of an Economist*, Lionel Robbins has described how difficult it was for the child of a strict Baptist family to discover the arts. His wife Iris, and her brother Clive Gardiner, helped. Beginning with the visual arts, Lionel Robbins expanded his interests and pleasure. His chairmanship of the National Gallery marks a happy period of its development.

He was a director of Covent Garden and from all accounts he left a lasting imprint by his combination of enthusiasm and practical sense, love of the arts and understanding of their economics.

Long after his 80th birthday, Lionel Robbins kept going at a pace which was the envy of many a younger man. He lectured at the LSE, regularly assembling several dozen students of all ages and from many countries to listen to his history of economic thought. He travelled to Latin America, to the U.S. to South-East Asia. He served on committees.

He spoke in the House of Lords. He received friends and gave royalty of his charm and wisdom.

It was only after his severe stroke in July 1982 that all this came to an end. Lionel Robbins sank into a half-awake life of memories and moments of recognition.

There was an enormous strength in this upright man, coupled with a profound sense of tradition. Perhaps he had to work harder to become a part of this tradition than his easy manner betrayed. But in his later years he certainly became a supreme representative of the best in English culture, its continuity, its civic sense, its compassion. His wife, Iris, was one of the sources of his strength, as were his two children. But he gave more than he took, which is why he engendered not only the respect and admiration of many, but also a fondness which his friends will long cherish.

Table 1

## Income by Source 1974-1984\*

	Court Block Grant		Fees				Endowments and Donations		Research Grants and Contracts		Other Income		Total		Inflation Adjusted	
	£ '000	%	£ '000	%	£ '000	%	£ '000	%	£ '000	%	£ '000	%	£ '000	%	Total Income	Court Block Grant
1974-75	3,800	81.3	148	3.2	255	5.5	48	1.0	252	5.4	170	3.6	4,673	100.0	100	100
1975-76	4,741	78.6	277	4.6	359	5.9	54	0.9	344	5.7	259	4.3	6,034	100.0	102	99
1976-77	5,242	77.7	353	5.2	475	7.0	59	0.9	305	4.5	314	4.7	6,748	100.0	105	100
1977-78	4,525	62.3	1,132	15.6	913	12.6	55	0.7	355	4.9	281	3.9	7,261	100.0	102	78
1978-79	5,051	62.0	1,254	15.4	998	12.2	105	1.3	416	5.1	326	4.0	8,150	100.0	109	83
1979-80	6,089	60.1	1,445	14.3	1,280	12.6	253	2.5	616	6.1	449	4.4	10,132	100.0	118	87
1980-81	7,390	54.5	2,067	15.2	2,429	17.9	239	1.8	817	6.0	614	4.6	13,556	100.0	119	80
1981-82	6,013	43.4	2,608	18.8	3,427	24.7	300	2.2	874	6.3	636	4.6	13,858	100.0	114	61
1982-83	6,932	47.3	1,834	12.5	4,078	27.9	328	2.2	863	5.9	613	4.2	14,648	100.0	112	65
1983-84 provisional	7,091	47.1	1,826	12.1	4,338	28.8	277	1.8	965	6.4	573	3.8	15,070	100.0	110	64

\* Sources: Form 3 (Annual financial return to the UGC). Rates and other Court earmarked grants are not included.

"Inflation adjustment" has been made by taking 1974-75 as the base year and adjusting actual total income and Court block grant to 1974-75 prices by applying the CVCP index of national university costs.



Table 2  
Academic Staff and Student Numbers 1974-84

	All Students* full and part- time		Undergraduate		Postgraduate		Home**		Overseas**		Student FTEs†	Total full-time academic and research staff#	Full-time teaching staff ‡	Staff/student ratio***
	No.	%	No.	%	No.	%	No.	%	No.	%				
4-75	3,721	52.9	1,967	47.1	1,754	47.1	2,374	63.8	1,347	36.2	3,300	334	309	1 : 10.68
5-76	3,662	52.7	1,931	47.3	1,731	47.3	2,311	63.1	1,351	36.9	3,314	327	298	1 : 11.12
6-77	3,568	53.2	1,897	46.8	1,671	46.8	2,226	62.4	1,342	37.6	3,262	324	298	1 : 10.95
7-78	3,622	54.2	1,962	45.8	1,660	45.8	2,219	61.3	1,403	38.7	3,380	318	297	1 : 11.38
8-79	3,696	54.2	2,003	45.8	1,693	45.8	2,287	61.9	1,409	38.1	3,441	320	295	1 : 11.66
9-80	3,871	54.3	2,103	45.7	1,768	45.7	2,426	62.7	1,445	37.3	3,558	327	303	1 : 11.74
0-81	4,404	53.6	2,360	46.4	2,044	46.4	2,482	56.4	1,922	43.6	4,083	338	306	1 : 13.34
1-82	4,562	55.1	2,514	44.9	2,048	44.9	2,517	55.2	2,045	44.8	4,173	324	298	1 : 14.00
2-83	4,376	57.3	2,507	42.7	1,869	42.7	2,468	56.4	1,908	43.6	4,101	319	295	1 : 13.90
3-84	4,333	55.3	2,398	44.7	1,935	44.7	2,454	56.6	1,879	43.4	3,855	314	290	1 : 13.29

\* Includes full-time, part-time, occasional and single-term students.

\*\* Defined by the ordinary country of residence of the student.

\*\*\* Defined as full-time student equivalents divided by full-time teaching and research staff wholly paid from UGC funds.

† Total students expressed as "full-time equivalents" as for UGC (Form 3) returns.

# Staff figures from the USSR return including posts externally financed.

‡ Staff figures from the USSR return including only teaching and research posts where the cost is wholly met from UGC funds.

## Academic Awards 1983-84

### Scholarships and Studentships Awarded in 1984

#### (a) Awarded by the School

##### ENTRANCE SCHOLARSHIPS

Ronald Aaron Aziz  
Anita Margaret Barker  
Katherine Emma Barnes  
Emma Frances Casdagli  
Kevin Patrick Francis Chu  
Richard Jonathan Clark  
Arthur Daniel Hall  
Anna Jenkins  
Simon Paul Knapp  
Neil Rohan Clark McWhinnie  
Nicholas Mallory  
Bryan Robert Martin  
Allan Michael Mason  
Dominic Michael Moreland  
Helen Ruth Pitt  
Mark Douglas Ramsden  
Peter Raymond Robinson  
Michael Harold Saunders  
Atul Manilal Shah  
Timothy John Twentyman

*Delia Ashworth Scholarship*  
Caroline Mary Hopper

##### UNDERGRADUATE AWARDS

*C. S. Mactaggart Scholarships*  
Brenda Margaret Killen  
David John Morgan Knott  
Jonathan Stuart Sleeman

*Undergraduate Scholarships*  
Linda Mary Blud  
Katherine Yasmin Gunaratnam  
Bradley William Franks  
Catrin Margaret Morrissey

##### AWARDS OPEN TO UNDERGRADUATES AND POSTGRADUATES

*School Scholarship in International Law*  
David Tat Ieong Vong

##### GRADUATE AWARDS

*Montague Burton Studentship in  
International Relations*  
William Bloom  
Carla Garapedian

*Morris Finer Memorial Studentship*  
Wayne Joseph Morrison

*Jackson Lewis Scholarship*  
Ali Mahmoud Khadr

*Graduate Studentships*  
Javier Andres Domingo  
Peter Gose  
Holle Annette Semetko

*Graduate Studentships in Social Studies*  
Jan Gregersen Cherim  
Timothy William Keirn  
Ann Jocelyn Lane  
John Ferris Iowe Ross  
Jon Thorn

*IBM Awards for the European Doctoral  
Programme*  
Eric de Cooman

*LSE Students' Union South African  
Scholarship*  
Anand Singh

*Robert McKenzie Studentships*  
Luciana Ballini  
Brian Lee Crowley

*Eileen Power Memorial Studentship*  
Timothy William Keirn

*Rosebery Studentship*  
Valerie Sue Reid

## THE LSE 1980S FUND

*The LSE 1980s Fund Undergraduate Scholarship*

David Tat Ieong Vong

*The LSE 1980s Fund Graduate Studentship*

David Klausner

*American Friends of LSE Awards*

David Jeremy Bederman

Elie Raymond David Canetti

Susan Jane Hart

Kerry William Kircher

Judith Ann Levenfield

William Charles Levine

Elizabeth Anne Neuffer

Richard William Weitz

*Argov Studentships*

Moshe Gammer

Ami Klin

*Baxter Edey Awards*

Chiu Fan Chan

Joao Cotrim de Figueiredo

Christakis John Hjiuossif

Kim Pon Tan

Demetrios Nicolaou Kouselinis

Yau Shing Vincent Kwong

Robin Ann Lawther

Leung Kar Fai

Christopher Wing-Kee Wong

*Chandris Awards*

Michael Matzavinos

Leonides Thomas

*Lauchin Currie Studentship*

Santiago Javier Montenegro

*W. G. Hart Bursary*

Wayne Joseph Morrison

*Honda Awards*

Roberto Oliveira de Aguiar

Masakazu Tanaka

*ICERD Award*

Ilsa Amelia Schumacher

*Japan Air Lines Travel Awards*

Michael Wo Ping Hsu

Holly Elizabeth Sherman

Joannes Shek Man Wong

*Kahn-Freund Award*

Haim Misgav

*Henry Luce Foundation Awards*

Choon Sam Phoon

Yin Chin Olive Chow

Leung Kar Fai

Low Check Kian

John Lim Yew Kong

Teck Wah Koh

Wong Kia Yin

Alinah Santy Saman

*William J. Baumol Studentship*

Martha Stacy Hawver

*Abba P. Lerner Studentship*

Brenda Cohen

*Harry G. Johnson Studentship*

Elie Raymond David Canetti

*Sir Arthur Lewis Studentship*

Barbara Lynn Richard

*Daniel Patrick Moynihan Studentship*

Serge George Jeanneau

*Edward Shils Studentship*

Richard Allen Christian Krasnow

*Suntory-Toyota Studentships*

Manuel Arellano Gonzalez

Frank William Arntzenius

Francisco Javier Fernandez Macho

William Van Vugt

*The Third World Foundation Undergraduate Scholarship*

Dilip Lakhani

Alif Lalji Nurani

Rajan Pratapral Raichoora

} Joint  
} Award*The Third World Foundation Research Award*

Mumun-Ur Rashid

**(b) Awarded by the University***Madge Waley Joseph Scholarship*

Karen Ginger Kraus

*Loch Exhibition*

Lydia Ball

*Metcalf Scholarship*

Jo Anne Laws

**Prizes Awarded in 1984****(a) Awarded by the School***Allyn Young Prize*

Rory Thomas O'Driscoll

*Arthur Andersen Prizes*

Douglas Terence Dean

Andrew Dennis Wood

*Bassett Memorial Prize*(i) *Trade Union Studies*

Allan Turner

(ii) *Government*

Angela Burns

*Coopers and Lybrand Prizes*

Mukesh Kejriwal

Victor John Haghani

*Deloitte Haskins + Sells Prizes*

Victor John Haghani

Philip David Goldschmidt

*Ely Devons Prizes*

Martin Wall

James Peter Fraser Gordon

*Ellicott-Hollows Memorial Prize*

Bradley William Franks

*William Farr Prize*

Dominic Adam Cock

*Morris Finer Memorial Prize in Law*

Narinder Cheema

*Maurice Freedman Prize*

Jan Cecilia Savage

*Gonner Prize*

David John Morgan Knott

*Gougey Essay Prize*

David Bradley

Susan Mary Guillim

} Joint  
} Award*Hobhouse Memorial Prize*

Katherine Yasmin Gunaratnam

Matthew John Price

*Jessy Mair Cup for Music*

Nicola Sears

*Maxwell Law Prize*

Gary Henderson

*Mostyn Lloyd Prize*

Mary Davies

Jacqueline Mary Viel

} Joint  
} Award*George and Hilda Ormsby Prizes Undergraduate*

Grant Reginald Greatrex

Justin Richard Hopkins

*Postgraduate*

Tomaso Giuseppe Mano Pompili

*Hughes Parry Prize*

Andrew Philip Le Sueur

*Peats Prizes*

Rory Thomas O'Driscoll

Mark Victor Rozario

*Raynes Undergraduate Prize*

Dominic Adam Cock

*Norman Sosnow Travel Scholarships*

Caroline Janet Morgan

Aidan Prior

## First Degrees Awarded 1984

### B.Sc. (Economics) Final Examination

#### Honours

#### Special Subject: Economics, Analytical and Descriptive

#### FIRST CLASS

Phillip John Everett  
Brenda Margaret Killen  
Thomas Sean O'Brien

#### SECOND CLASS

#### (Upper Division)

William Dickon Addis  
Nicholas William Simon Clements  
Fiona Ann Elizabeth Coulter  
Anthony William Donaldson  
Colin David Holden  
David George Reams  
Stephen John Ross  
Ian Michael Threadgold  
Hugh John Watchorn  
Richard Harold Young

#### SECOND CLASS

#### (Lower Division)

Mark Beddows Dunkerley  
Richard Anthony Lloyd Evans  
Gervas Huxley  
Mark Edward Kiff  
Desmond Michael O'Brien  
Daniel Joseph O'Donoghue

#### THIRD CLASS

David Mark Anderson  
Sara Clark  
Adam Sorab

#### Special Subject: Econometrics and Mathematical Economics

#### FIRST CLASS

Athos Nearchou Hadjimitsis  
Abhinay Muthoo

#### SECOND CLASS

#### (Upper Division)

Parmeshwar Singh Bains  
Robert Edward Deane  
Yik Nan Hii  
Phivos Vakis  
Jonathan Webb  
Boh Jin William Yap

#### SECOND CLASS

#### (Lower Division)

Robbie Obiechina Adibe  
Lim Kee Sen Chan You Fee  
Robert Kenneth William Powell  
Stuart Ryland Trow

#### Special Subject: Monetary Economics

#### FIRST CLASS

Hercules Voridis

#### SECOND CLASS

#### (Upper Division)

William Richard Allard  
Paul John Herring  
Paul Martin Kalms  
Paul Stephen Langdon  
Peter John Lawlor  
Susan Reynolds  
William Larry Spiegel  
Ruth Thompson

#### SECOND CLASS

#### (Lower Division)

Siu Ping Chordio Chan  
Sok Cheng Choy  
Andrew Lawson Dell  
Paiboon Kittisrikangwan  
Mann Kee Li  
Thomas Arthur Rostron  
Simon Gareth Taylor  
Robert Whittaker

#### THIRD CLASS

Robert John Jacobs  
Daniel John Muir

#### PASS

Stephen John Perrins  
John Clifton Williams

#### Special Subject: Industry and Trade

#### FIRST CLASS

Andreas Savva Demetriades  
Johannes Peter Huth  
Stephen Martin Johnston  
Stuart Grant Roden  
Kevin Watson

#### SECOND CLASS

#### (Upper Division)

Felipe Maria de Sousa Ferreira  
Abecassis  
Juliana Pauline Almeida  
Chahe Haig Arslanian  
Helen Bladen  
Jonathan Charles Brooks  
Mei Ying Chan  
Thierry Andrea Cohen  
Tracey Gardiner  
Raju Gopalakrishnan  
Duncan James Green  
Rehan Shah Khan  
Stuart Charles Kilpatrick  
Adrian Charles Lee  
Christopher Aaron Lever  
Arman Mansoorian  
Juan Antonio Nevado  
Oliver Edward William North  
Helen Elizabeth Taylor  
Gary Charles Thompson  
Ian Harvie Watt

#### SECOND CLASS

#### (Lower Division)

Gonzalo German Aguirre Arriz  
Edwin Thomas Brady  
Andrew James Canning  
Robert James Carr  
Linda Carroll  
Militsa Loizou Christodoulou  
Adrian Roy Hewitt Davies  
Richard Vaughan Evans  
Marcella Franchi  
Paul John Gardner  
Maria Georghiou  
Leroy Anthony Henry

Mark Wilson Le Tissier  
Sassan Mikhtchi  
David Harry Morris  
Theodoros Papapetropoulos  
Richard Martin Pearson  
Paul James Perkins  
Niall Vaughan Pickup  
Michael Probin  
Rajan Mohandas Sadhwani  
Andrew Edmund Armstrong Selous  
Patvinder Singh  
Michael Charles Harry Solloway  
Felicia Chee Yun Tong  
Jonathan Charles Phillip David Virgo  
Wang Nan Eng  
Fiona Caroline Waye

#### THIRD CLASS

Lateef Osayimwense Bello-Osagie  
Francis Ashu-Arrey Besong  
Henry Roger Colletta  
Kishen Raghavji Jethwa  
Karim-Ud-Din Mian  
Omonefe Oghene  
Christopher John Perry  
Eric Bruce Tanner  
Giovanni Valeri Manera

#### PASS

Devinder Ohri  
Hitesh Harshad Patel

#### Special Subject: International Trade and Development

#### FIRST CLASS

David John Morgan Knott

#### SECOND CLASS

#### (Upper Division)

Mark Stuart Baraniecki  
Christopher John Buyers  
Richard Anthony Dunn  
Jane Cecilia Falkingham  
Simon Miller Groom  
Ekow Hackman  
Steven Tom Hail  
Coenraad Jan Kluyver  
Dina Mesbah-Khavari  
Mark Minford  
Gregoire Patel  
Gareth John Stoten  
Ganeshan Wignaraja

## SECOND CLASS

*(Lower Division)*

Santokh Singh Bains  
 Stuart Jonathan Ballantine  
 Michael Robert Cockle  
 Simon Cresswell  
 Nico Albert De Beer  
 Mark Hywel Evans  
 Robert Alexander Fedder  
 Michael Arthur Fellows  
 Mark Christopher Hackett  
 Dean Hodge  
 Kevin Lawrence Madden  
 Simon Laurence Meadows  
 Roland Pascal Mosimann  
 Peter John Prince  
 Paulo Antonio Gomes Da Silva  
 Simoes Coelho

## THIRD CLASS

Yin Wah Chu  
 Surendran Panicker  
 Dominic Richard Rex Sheridan

**Special Subject:  
 Economic Institutions and Planning**

SECOND CLASS  
*(Upper Division)*  
 Peter Kendal

SECOND CLASS  
*(Lower Division)*  
 Lawrence James McKenna  
 Janet Michaela Samols

**Special Subject:  
 Accounting and Finance**

## FIRST CLASS

Victor John Haghani  
 Philip Haydn Turner

## SECOND CLASS

*(Upper Division)*  
 Andrew Mark Armstrong  
 Steven Andrew Brown  
 Chiu Fan Chan  
 Wing Yee Lucy Chan  
 Dominic Peter Freely  
 Phillip David Goldschmidt  
 Richard John Hewitt

Tracy Gabrielle Hirth  
 Mukesh Kejriwal  
 Adebayo Kwashie Konu  
 Yau Shing Vincent Kwong  
 Pola Kyprou Kyprianides  
 Gek Hian Cecil Lee  
 Laurence Ian Marks  
 Elias Ioannou Papakyriacou  
 Loukis Skaliotis  
 Adrian John Stone  
 Kim Pon Tan  
 Wai Yeung Tseng  
 Elaine Angela Williams  
 Andrew Steven Wilson  
 Christopher Wing Kee Wong

## SECOND CLASS

*(Lower Division)*  
 Despina Andreadou  
 Richard Philip Bernstein  
 Willy Goenadi Boedihardjo  
 Vera Mei Kuen Cheong  
 Cheng Suan Chew  
 Chew Fook Aun  
 Nicola Jane Collins  
 Joao Fernando Cotrim de Figueiredo  
 Grace Kit Yee Fong  
 Nicholas Simon Raphael Gerzimbke  
 Nigel Grunberg  
 Khaled Mahomed Hussein  
 Aida Rita Husumyan  
 Kwok Yan Steve Kwan  
 Yuen Yee Lam  
 Paul Gregory Lambert  
 Nadir Sikander Latif  
 Siew Yung Leong  
 Kam Hong Leung  
 John Lim Yee Kong  
 William Mun-To Lo  
 Siew Whye Mah  
 Alan Mendelsohn  
 Jeremy William Gare Newman  
 Gorm Ward Nielsen  
 Pankaj Nagindas Patel  
 Michele Pietrunti  
 Biresch Roy  
 Duncan Paul Smith  
 Nicholas Lawson Stroud  
 Shu Chuen Sun  
 Wah Yeow Tan  
 Ioannis Christou Telonis  
 Wan-Man Tsang  
 Thomas George Edward Webber  
 Alistair Charles Walter Williams

Seow Wah Wong  
 Winnie Wong  
 Kia Yin Wong  
 Kah On Yap

## THIRD CLASS

Nalin Bhushman Chandhok  
 Paris Efthymiades  
 Rebecca Hadjipetri  
 Vivekanand Kavdikar  
 Christopher John Knight  
 Lai Lai Kwan  
 Chrysostomos Costa Philippou  
 Roger Simon  
 Philip Wan Ming Wong

**Special Subject:  
 Economic History**

## SECOND CLASS

*(Upper Division)*  
 Claire Davey  
 Bryony Katherine Dixon  
 John James Eugene McGhee  
 Mark Jeremy Taylor

## SECOND CLASS

*(Lower Division)*  
 Jonathan Wilson Box  
 Gregory Mark Knight  
 Srabani Sen

THIRD CLASS  
 Anthony Ian Harris

**Special Subject:  
 Government**

FIRST CLASS  
 Angela Burns  
 Grace-Philio Elektra Spathopoulos

## SECOND CLASS

*(Upper Division)*  
 James Andrew Brown  
 Adam John Butler  
 Sheila Curran  
 Paul Richard Frederick  
 Adrian John Harris  
 Stuart Royston Heaver  
 Deborah Jane Kent  
 Martin Alistair Learmonth

Paul John Marks  
 Simon Christopher Harrison Munn  
 Laura Sellick  
 Herbert Mark Jeffery Speed  
 Nicholas John Varney  
 Jane Christine Wagner  
 Jeremy Charles Wallis

## SECOND CLASS

*(Lower Division)*  
 Joanna Sally Barkwill  
 Erin Elizabeth Bell  
 Sarah Joanna Bond  
 Edwin Roger Cartledge  
 Clare Elizabeth Churley  
 Timothy Andrew Ambrose Finch  
 Julian Patrick Martin Flanagan  
 Paul Nicholas Gray  
 Paul David Jeffery  
 Joel Nicholas Kordan  
 Julian Charles Richard Parsons  
 Deborah Jane Smith  
 Stewart John Taylor  
 Neville Roderick Upton  
 Carey Anne Vick  
 Paul Wane  
 Joanne Isobel Woodfin

## THIRD CLASS

Fenn William Brown  
 Julie Dunbar  
 Elena Andrea Frangopoulou  
 Philip Kordun  
 Simon Parrott

**Special Subject:  
 Sociology**

## SECOND CLASS

*(Upper Division)*  
 Julie Debora Apfel  
 Christopher John Collett  
 Ann Marie Green  
 Nicola Jayne Messham  
 John Michael Munford  
 Andrew Norman Robinson  
 Paul Turton

## SECOND CLASS

*(Lower Division)*  
 Oliver David Walwyn John

**Special Subject:  
Statistics**

FIRST CLASS

Susan Mei-Ling Hoe  
Steven Louis Segal

SECOND CLASS

*(Upper Division)*  
Graeme Hamilton Grozier**Special Subject:  
Computing**

FIRST CLASS

Dominic Adam Cock

SECOND CLASS

*(Upper Division)*  
Chiew Sin Cheok

SECOND CLASS

*(Lower Division)*  
Mark Howard Betteridge  
Brendan John Casey  
Peeyush Pandya  
Ivan Pasternak  
Michael Leslie Stothard

THIRD CLASS

Abid Ali  
James Gordon Denton  
Guilio David Morgan Rees Franzinetti  
Michael Julian Adderley Westwood**Special Subject:  
International Relations**

FIRST CLASS

Timothy Emmanuel Judah  
Robert Pszczel

SECOND CLASS

*(Upper Division)*  
Jeremy Ramon Adams  
Mark Andrew Alder  
James Michael Binns  
David Charles BirdAdrian Peter Cole  
Catherine Anne Cowie  
Thomas Armour Charles Denyer  
Susan Louise Dixon  
David Fingerman  
Patrick Robert Frater  
Martin Griffiths  
Jonathan Mark Hall  
Patrick Richard Harverson  
Mark Frederick Johnston  
Juliet Alice Cecilia Joynson  
Philip Andrew Klapwyk  
Aristotelis Mistakidis  
Andrew John Murta  
Raden Mohammad Marty Muliana  
Natalegawa  
Aleksander Nowak  
Ronen Peter Palan  
Roderick Andrew Charles Roman  
Damian-Ramon Maria Melchor Gaspar  
Baltas Sanges d'Abadie  
Ashley Seager  
Hugh Robert Whittle

SECOND CLASS

*(Lower Division)*  
Christopher John Bates  
Nigel John Chapman  
Robert Chitayat  
James Robert Archibald Dunlop  
Paolo Manca  
Simon John Owen  
Louise Victoria Paisley  
Elizabeth Philip  
Dina Rabinovitch  
Ian James Reynolds

THIRD CLASS

Helen Rosemary Simson Colaclides  
Barbara Vogel**Special Subject:  
Social Anthropology**

SECOND CLASS

*(Upper Division)*  
Robert Martin Aitken  
Eva Susanne Geser  
Geraldine Ann Walsh  
Ralph James Williamson**Special Subject:  
International History**

SECOND CLASS

*(Upper Division)*  
Stephen Andrew Ellis  
Stuart John Fielding  
David Edward Michael Gilbertson  
Mark Renton Pierce  
Susan Patricia Reilly  
Alan John Stacey  
Stephen Patrick Walsh

SECOND CLASS

*(Lower Division)*  
Jeremy Cooper  
Rachel Evans  
Neil Harris  
Richard Harvey Mansell  
Stuart Gemmill McPhail  
Andrew Robert Mowat  
Mark Alexander Vernon Orme**Special Subject:  
Geography**

FIRST CLASS

Grant Reginald Greatrex

SECOND CLASS

*(Upper Division)*  
Justin Richard Hopkins

SECOND CLASS

*(Lower Division)*  
Deborah Susan Holdgate  
Martin Gerard Hugh Kemp  
David Patoff**Special Subject:  
Philosophy**

FIRST CLASS

Clive Dibblee Davis  
Jonathan Mark Riley

SECOND CLASS

*(Upper Division)*  
Anita Margaret Keith**Special Subject:  
Government and History**

FIRST CLASS

Elena Rosa Mauro

SECOND CLASS

*(Upper Division)*  
Julian Francis Davidson  
Peter Francis Dawson  
Jonathan Richard Gayther  
David Robert Gibson  
Alexander Richard Godson  
Leonard Ian Gossels  
Barry David Hingston  
Angela Elizabeth Horne  
Joyce Elizabeth Parker  
Luca Pes  
Stephen Pelham Pound  
Ian Roy Stewart  
George Eugene Stylianides  
Audrey Ann Whyte

SECOND CLASS

*(Lower Division)*  
Manda Caroline Adams  
David Nicholas Dixon  
Howard Jonathan Jaffe  
Martin Knowles  
Sally Patricia Litherland  
Douglas Stephen Lyons  
Teresa Anne Mangan  
Mark Eric Nottingham  
Stephen Daryl Ozin  
Anna Isobel Ponting  
Indu Rajni Varma  
Stephen Charles Virgin

THIRD CLASS

Michael Geoffrey Hayes

**Special Subject:  
Economics and Economic History**

SECOND CLASS

*(Lower Division)*  
David Hedison

**Special Subject:  
Philosophy and Economics**

## FIRST CLASS

Daniel Joseph Aronoff

## SECOND CLASS

*(Upper Division)*

Mark Simon Huddleston

## SECOND CLASS

*(Lower Division)*

Stephen William Smallwood

**Special Subject:  
Social Policy**

## SECOND CLASS

*(Upper Division)*

Patricia Cartney  
 Gillian Isabella Davies  
 Douglas Thornton Emmett Hayward  
 Graeme Fardel Kerr

## SECOND CLASS

*(Lower Division)*

Anna Margarete Kuhner  
 Carolyn Ann Pomson

**Special Subject:  
Population Studies**

## FIRST CLASS

Diane Noreen Lye

## SECOND CLASS

*(Upper Division)*

Christine Margaret Allen Hawkins  
 Lindsay Stuart Walker

## SECOND CLASS

*(Lower Division)*

Anita Aggarwal

**Special Subject:  
Industrial Relations**

## FIRST CLASS

Mark James Greatrex

## SECOND CLASS

*(Upper Division)*

Nigel Ian Allmond  
 Alan Charles Lord  
 Edward de Grey Lucas  
 Carol Victoria Pledger

## SECOND CLASS

*(Lower Division)*

Janet Mary Brades  
 Simon Peter O'Grady  
 Helen Mary Richardson  
 Adrian Michael James Weir

## THIRD CLASS

Michael David Wood

## PASS

Susan Claire Evans

**Special Subject:  
Mathematics and Economics**

## SECOND CLASS

*(Lower Division)*

William Akers Douglass

**B.A. Honours in History****Branch II**

## FIRST CLASS

Judith Margaret Heller  
 Edward John O'Connor

## SECOND CLASS

*(Upper Division)*

Guy Antony Richard Beaufoy  
 Guy Robert Davies  
 Maurice Peter Devitt  
 Judith Penelope Lock  
 Penelope Jane Clucas Marshall  
 Jane Philomena Martin  
 Nicola Helen Myerson  
 Christopher Mark Nineham  
 Tracey Marie Parsons  
 Jonathan Ashley Paul Spence

## SECOND CLASS

*(Lower Division)*

Mary Elizabeth Carroll  
 Alice Laurie Devitt  
 David Ede  
 Rebecca Mary Isobel Holloway  
 Caroline Margaret Lacey  
 Michael Ogus  
 Barbara Ruth Posen  
 Zina Sabbagh  
 Andrew Kenneth Slade  
 Nicola Jane Waldman

**LL.B Final Examination**

## FIRST CLASS

Susan Ann Russell

## SECOND CLASS

*(Upper Division)*

Andrew Brian Besser  
 Carl Wilshire Zachary Bethel  
 Surinder Singh Bhakar  
 John Francis Burke  
 Richard Alexander Calder  
 Rosamund Sian Cleal  
 Matthew Glynn Burkenshaw Collings  
 David John Cox  
 Mark Andrew Currie  
 Michael John Curtis Hayward  
 Carlton Jerome Dill  
 Fay Leanor Douglas  
 Tijani Babatunde Folawiyo  
 Maxine Adua Friday  
 Nicola Louise Godson  
 Malagalage Don Manu Gunasena  
 Nigel Samuel Hanan  
 Rachel Sophia Margaret Hudson  
 Pedro Antonio Raimo Jorro  
 Pearl Chun Ming Lam  
 Jeremy Clive Leifer  
 Jacob Levy  
 Penelope Jacqueline Anne Lewis  
 Caroline Liau Chee Kin  
 Peter Boon Hock Low  
 Thomas William Gordon Lowe  
 Michael Madden  
 Philippa Mary McAtasney  
 Alexander Peter Moffat  
 Nicola Clare Namdjou  
 Darren O'Grady  
 John Gerald Pierce

Louise Elizabeth Round  
 Judith Olivia Roy  
 Michael Ryan  
 Timothy Charles Stephenson  
 Fook Yen Tai  
 Anne Leah Tuwie  
 Yip Hin Wai  
 Wan Wah Shing  
 Jane Mary Whitehair  
 Wong Sook Foon

## SECOND CLASS

*(Lower Division)*

Christopher Stephen Best  
 Caroline Eugenia Bloxcidge  
 Keith Stephen Bordell  
 Graham Charles Branton  
 Simeon Ricardo Brown  
 Felicity Mary Callinan  
 Ian Coffey  
 Margaret Conway  
 Andrew Crabb  
 Jeffrey Robert Dworkin  
 Olusoji Olajide Adeola Elias  
 Andrew Neil Harvey  
 Susan Ruth Henshall  
 Anna Elizabeth Hood  
 Asuerinme Akintunde Ighodalo  
 Sener Jevan  
 Lap Seng Kok  
 Ademola Kuye  
 Raymond Mun Sang Kwok  
 Maria de las Mercedes Lloyd  
 Ian Thomas Do Rosario Lobo  
 Dulcie Tsitsi Mapondera  
 Itai Shirley Ellen Mutunyane  
 Sonjia Norman  
 Laurence Everett Paradine  
 David Mark Rainsford  
 Deborah Ann Richards  
 Lionel Simon Salama  
 Philip John Sexton  
 Andrew McKenzie Smith  
 Marilyn Joan Stanton  
 Thomas Chi Shing Szeto  
 Rajnikant Tank  
 Ian Gillies Taylor  
 William Thomas Edward Russell Telford  
 Chinye Josephine Uwechue  
 Paula Theresa Wall  
 David St. John White  
 Timothy John Willis  
 Nigel Anthony Wright

## THIRD CLASS

Richard Peter Jemmett  
Cyrus Faredoon Marchant  
Kamlesh Vanravan Modi  
Rosemary Ihuoma Ogbonna

## PASS

Teck Wah Koh  
Vipul Shantilal Vaid

**B.A. French Studies**

## SECOND CLASS

*(Upper Division)*

Valerie Ann Edge  
Juliet Humphrey  
Elizabeth Anne Jarratt  
Timothy Jerome Lamb  
Jean Noel Antoine Marie  
Ann Murnane  
Sally Ruth Spiers

## SECOND CLASS

*(Lower Division)*

Paul Derek Gordon-Brown  
Elizabeth Sheila Hicks

## THIRD CLASS

Mary Patricia Loftus  
Shirley-Ann Rodrigues

**B.Sc. Main Field  
Actuarial Science**

## FIRST CLASS

Nigel Taylor

## SECOND CLASS

*(Upper Division)*

Paul Anderson  
Lawrence Chun Wo Lee  
Ooi Lee Meng  
Louise Tsia Kuen Kiam

## SECOND CLASS

*(Lower Division)*

Kah Meng Loke  
Yang Chew Ooi

Chee Hung Tay  
William Wing Kuen Yeung

## THIRD CLASS

Phillip Ashley Minns  
Soh Kim Hock  
Hoon San Tan

## PASS

Lye-Huat Lim

**B.Sc. Main Field  
Actuarial Science and Statistics**

## SECOND CLASS

*(Lower Division)*

Neil John Taylor

**B.Sc. Main Field Computing**

## SECOND CLASS

*(Upper Division)*

Nina Susanne Dixon

## SECOND CLASS

*(Lower Division)*

Brenda Margaret Wai Ming Ko  
Koon Mi Yap  
Siew Wah Yap

## THIRD CLASS

Ching Hin Ho

## PASS

Lai Yu Chan  
Philippe Samuel Van Messel

**B.Sc. Main Field Mathematics**

## SECOND CLASS

*(Upper Division)*

Keir Stuart Ainsley Frankland

**B.Sc. Main Field  
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 Graham Hugh Damant  
 Ruth Ann Day  
 Victoria Christina De La Ronde  
 Manuel Del Valle  
 Boudewijn Dereymaeker  
 Yashodhara Dhoraisingam  
 Kurukulasooriya Joseph  
 Frederick Noel Dias  
 Gunnar Orn Eggertson  
 \*Jeanette Alice Fahlbusch  
 Txaber Fernandez-Beldarrain  
 Ian Francis Flanagan  
 Gerard Emlyn Forlin  
 Sam Boris Garkawe  
 Peter Leslie Edward Glossop  
 Ayesha Tammy Haq  
 Michel Yves Joseph Helie  
 Ioannis Christoforos Horomides  
 Peter Douglas Huey  
 Susan Caroline Hulton  
 Emeka Ugochukwu Igweze  
 Osagie Olufela Imasogie  
 Mary Obereniye Iyama  
 Makbool Iqbal Javaid  
 Gregory Andrew Christopher Jones  
 Sally Njambi Kahara  
 Liselott Margareta Kana  
 Faiz Mohammad Khan  
 Renu Khilnani  
 Damian Thomas King  
 Kerry William Kircher  
 Robert David Allan Knutson  
 Ibiolapo Olufunmilola Koleoso  
 Ching-Sum Helinna Lai  
 Ralph Binford Lake  
 Patrick Colin Lawless  
 Abiodun Ishola Ismail Layonu

Michael Hal Lee  
 Florence Marie Veronique Lefebvre  
 Martin John Lenihan  
 Johannes Paul Greyling Lessing  
 Tamasin Bernadine Little  
 Diana Conway Loeschmann  
 Paul Lyrstis  
 Julie Margaret MacFarlane  
 Harold Maltz  
 Howard Lawrence Mann  
 Lee Ann Marks  
 Marie-Dominique Masse  
 Marc Mayrand  
 Timothy Douglas McFetridge  
 Alan Melnick  
 Michel Menard  
 Reginald Nnorom Mezu  
 Lone Moller  
 Kimball Ian Murray  
 Frederick Harrison Ngatia  
 Mary Victoria Iheanyichi Njoku  
 Valerie-Janette Ogonna Nwodo  
 Timothy Joseph Nyapadi  
 Anne-Marie O'Neill  
 Christopher Nduka Ozongwu  
 Yale Gilbert Phillips  
 Milena Protich  
 Eduardo Quijano-Aponte  
 Roy Peter Rasmusen  
 Marc Richard  
 Rand J. Riklin  
 Sandra Lorraine Robinson  
 Walter Freienmuth Rudeloff Jr.  
 Bibi Manprit Kaur Sangha  
 Steven Mitchell Schiffman  
 Timothy Dillon Scramton  
 Muhammad Shafee  
 Kirti Chunal Shah  
 Olamide Fatai Shofolawe-Bakare  
 \*Jill Diane Sinkwich  
 Penelope Alison Smiley  
 Bernardus Maria  
 Polycarpus Smulders  
 Olumide Olusoga Sofowora  
 John Douglas Sparks  
 Abraham Nokwei Tackie  
 Margaret Elizabeth Tarrant  
 Richard Damian Taylor  
 John Taylor Teasdale  
 Teh Meng Teck  
 Dewi Lynn Thomas  
 Gerhard Ronald Toews  
 Maria Triantopoulou

\*Mark of Distinction awarded

Sebastien Leon Van Roosmalen  
 Thomas Alex Vetter  
 Sandra Elizabeth Webster  
 Elaine Maude Williams  
 Akililu Wolde-Amanuel  
 Priscilla Pui Sze Wong  
 Wong Chin Yen  
 James Barry Wright  
 Emil Kwaku Malinovsky Yakpo

**M.A.**

Pedro Fernando Castro Martinez  
 Iris Crawford  
 Josephine Fisher  
 Sarah May Harris  
 Ronald Alan Henkoff  
 Steven Paul Hercher  
 Roger Douglas Howe  
 Robert Michael Jack  
 Shirley Anne Jones  
 Paul James Kemp  
 \*Douglas Allen Lea  
 Jennifer Jane Lewis  
 Jill Money  
 Michael James Peter O'Mahony  
 \*Richard Vyvyan  
 Tristram Parry  
 \*Gerald James Protheroe  
 Catalina Restrepo Gutierrez  
 Liang Tan  
 Steven Michael Tsenti  
 Claudia Von Fellenberg

**DIPLOMA IN  
 INTERNATIONAL LAW  
 (AWARDED BY THE  
 UNIVERSITY OF LONDON)  
 1983-84**

Karen Ann Widess

\*Mark of Distinction awarded

**DIPLOMAS AWARDED BY  
 THE SCHOOL 1983-84  
 DIPLOMA IN ACCOUNTING AND FINANCE**

Emiro Aristizabal  
 David Saul Blumberg  
 †Clive Hugh Jamieson Coombs  
 ††Patrick Gambin  
 †Catriona Edith Gardner  
 Yogesh Gupta  
 Bereket Habte  
 †Stephen Douglas Hays  
 †Anuj Rajinder Kapila  
 Myung-Sook Lee  
 †Lai Keun Looi  
 †Jonathan Paul Kershaw Marshall  
 Richard Hancock Moore  
 †Yayeri Ziribagwa Kaggwa Muwanga  
 Clare Nestor  
 †Shafiq Munnawar Punjani  
 Sanjay Sharma  
 †Takayoshi Shinjo  
 Caroline Anne Stanbridge  
 ††Ameen Ali Salim Talib  
 Yvonne Yuet-Fong Tang

**DIPLOMA IN BUSINESS STUDIES**

Nobuo Ando  
 Fiona Rachel Appleby  
 Brigitte Bach  
 Daniel Bouchval  
 Marcus Edward Arden Browne  
 Elizabeth Alice Hayter  
 †Carolyn Mary Humphreys  
 †Kiyomichi Ito  
 Julian Peter Jones  
 Constantine Koliass  
 Lynda Kommel  
 Takayuki Kuwabara  
 Vivien Margaret Lennard  
 Gerard John Edward McCusker  
 Francis John McDowell  
 Ioannis Moutafidis

†Diploma obtained with Credit  
 ††Diploma obtained with Merit  
 †††Diploma obtained with Distinction

†Lubna Samara  
 †Eugene Wayne Weber

**DIPLOMA IN ECONOMETRICS**

††Miguel Delgado Gonzalez

**DIPLOMA IN ECONOMICS**

††Hyo Seung Ahn  
 †Martine Madeleine Angot  
 Mila Avramovic  
 †††David Shelby Berry  
 Antionette Francesca Bruno  
 †Elizabeth Teresa Callery  
 Jorge Alfonso Diaz  
 †Anh-Thu Dinh  
 ††Yasuyuki Fujii  
 ††Sarah Jane Angharad Jones  
 Richard Louis Keyser  
 †††Tor Jakob Klette  
 ††Erika Charlotte Koppel  
 ††Sau Him Lau  
 †Maria Theresa Lopez  
 †††William Michael MacMillan  
 †George Grayson Berryson Masamba  
 Deborah Ann McFarland  
 ††Ares Michael Michaelides  
 †Anthony Lee Morrison  
 †Barbara Jean Odegaard  
 ††Jae-Hyun Park  
 †††Anusart Suwanmongkol  
 †Margitta Helene Wülker

**DIPLOMA IN GEOGRAPHY**

Helene Bellofatto

**DIPLOMA IN INTERNATIONAL  
 AND COMPARATIVE POLITICS**

Bahman Abedini Abkhareh  
 Mehrdad Alavi  
 Ore Babatunde Amokeodo  
 Stefanie Clare Binet  
 Pilar Bohorquez  
 David Chan Yuk-Cheung  
 Andrew Edward Chapro  
 Chua Poh Yien  
 Olutola Okanlawon Cole  
 †††Lucia Grace Dacorta  
 Elizabeth Hillen Dorsey  
 Maria Gabriela Escovar  
 Musa Hersi Fahiyeh

Laurence Jay Goldfarb  
 Mary Isabel Harper  
 Ruth Anne Harte  
 Ndukwe Nnana Kalu  
 Maria Malingumu Kashonda  
 Youn Soo Lee  
 Jana Margaret McDonough  
 Pascual Ignacio Navarro Rios  
 Marsha Louise Nosworthy  
 Eileen Mary O'Connor  
 Linus Chukwuemeka Okere  
 †††Jean Louise Oppenheimer  
 Birgan Ozcan  
 Claire Louise Parr  
 Abdelwahab Osman Salih  
 †††Amanda Jane Seward  
 Olivia Sharifi-Shirazi  
 Randolph Reeder Snell  
 Neil Duane Sukoff  
 Alexandre Gaston Tissot  
 Gul Ahsene Tokay

**DIPLOMA IN MANAGEMENT SCIENCES**

†Stefanie Ann Cookson  
 Jerre Coyne-Dawson  
 †Karima Badrudin Ali Ramji Madhany  
 ††Alejandro Mejia  
 Philip Baird Shearer  
 †Jo Wah Tong

**DIPLOMA IN OPERATIONAL RESEARCH**

††William James Elliott  
 Soke Chin Hew  
 †Athina Michael Sideri  
 †Patcharapa Srivisarvacha

**DIPLOMA IN PERSONNEL MANAGEMENT**

Philip David Brown  
 Ann Penelope Caldwell  
 Caroline Margaret Elwell  
 Fiona Margaret Ferguson  
 Deborah Jane Green  
 Moira Anne Kirk  
 Ester Ernest Kalumuna Kyomwenge  
 Stephen Law  
 Jenny Pak Yue Ma  
 Chuk Ho Ma  
 Alison Margaret North  
 Catherine Anne Quinn

†Diploma obtained with Credit  
 ††Diploma obtained with Merit  
 †††Diploma obtained with Distinction

James Peter Reed  
 Roderick Ian Sharp  
 Penelope Lucy Harriett Smith  
 Alexander Lewis Swarbrick  
 Tse Man Shing  
 Judith Elizabeth Turner  
 Derek Christopher Walker  
 James Edward West  
 Susan Mary Whitehead

**DIPLOMA IN SOCIAL PLANNING IN  
 DEVELOPING COUNTRIES**

Idris Al-Mahdi El-Aesawi  
 Zeinab El-Tahir El-Nayal  
 Samir Kumar Ghosh  
 Rehab Mousa Hanna Haddadin  
 Frank Gerson Kamenya  
 Methusella John Keraro  
 Ghirmai Mebrahtu  
 Thikhui Mathato Morojele  
 Muna Hasan Mustafa  
 Chamb Atonye Nelson-Ebimie  
 Jacinta Anastasia Wambui Ngari  
 Adam Isaac Zithari Nkunika  
 Matshepo Joyce Sekgobela  
 Petros Tesfagiorgis

**DIPLOMA IN SOCIAL POLICY  
 AND ADMINISTRATION**

Lydia Ball  
 †††Mary Davies  
 Antonia Mary Holmes  
 Caroline Mary Hopper  
 †††Jacqueline Mary Viel

**DIPLOMA IN SOCIAL PSYCHOLOGY**

††Kim McLean Conway  
 Evangelia Kokkaly  
 †Susan Lodge

**DIPLOMA IN STATISTICS**

Fiona Isobel Hird  
 Patrick Henri Germain Janssens  
 Grisda Koykul  
 Nelson Fredrick Ofwono-Ongetichs  
 Augustine Julius Sheriff

†Diploma obtained with Credit  
 ††Diploma obtained with Merit  
 †††Diploma obtained with Distinction

## Research

**Secretaries of Divisions of the Staff Research Fund**

*Economics:* Dr. C. R. Bean  
*Geography/Anthropology:* Dr. N. A. Spence  
*Government:* Dr. H. Machin  
*International Studies:* Dr. Antony Polonsky  
*Legal:* Dr. D. A. Chaikin  
*Social:* Mr. M. J. Murphy  
*Statistics:* Mr. D. W. Balmer

The School is a centre for research and teaching in the social sciences but because of the binary system under which university research is financed, research by teachers at the School is made possible in different ways:

- (a) Much of the research done at the School is carried out by individual members of the staff and receives no support apart from that given indirectly by the School in the form of library, computational and other facilities, and directly in the form of the strictly limited support provided by the School's Staff Research Fund which covers, where possible, expenses of research assistance, travel and field work and usually comprises between £40,000 and £70,000 in any one year. The Fund is disbursed by a School Committee of the same name to the School's Departments which are grouped together for the purpose into seven "Research Divisions". The secretaries of these Divisions are listed above.
- (b) This 'floor' of research support which the University Grants Committee expects the School to provide is supplemented by support from outside sources for some 50 major research projects in the School. This support comes to a large extent from the Research Councils, notably the Economic and Social Research Council, as well as from Government Departments, and foundations such as Nuffield and Leverhulme. The School's Research Committee oversees in general and in the case of particular projects, the conduct of the responsibilities which the School undertakes in accepting this level of outside help for its research.

**Centre for International Studies**

The Centre for International Studies was established as an enterprise in interdepartmental collaboration in 1967 with the initial aid of a five year grant from the Ford Foundation. Its prime purpose has been to encourage individual research to a large extent with a regional focus. Soviet and Chinese studies were encouraged at the outset but the range of interests has been extended to cover a number of regions including the Middle East and Europe. The Centre assumes administrative responsibility for an interdisciplinary Masters degree in European Studies which has attracted increasing demand.

The Centre is administered by a Steering Committee on which sit members of the Departments of Economics, Law, Government, International Relations and International History. This committee assumes responsibility for recommending the appointment of up to six Visiting Fellows annually from home and abroad. Visiting Fellows are given desk space for a minimum of one term without emolument but with access to the library facilities of the School and the University of London as well as membership of the Senior Common Room. The Fellows are lodged in a majestic oak-panelled room with six alcoves which was part of the School's former library. Although no formal obligations are imposed on Visiting Fellows they are expected to play some part in the intellectual life of the School especially through guest lectures and seminars. In 1984/5 the following Fellows were appointed: Mr. Q. V. S. Bach (ex. M.O.D.); Professor G. Best (ex. University of Sussex); Dr. Rita Cruise O'Brien (ex. University of Sussex); Dr. G. Gill (University of Sydney); Dr. A. Linklater (Monash University)

Michaelmas Term; Ms. Margot Light (University of Surrey) Lent and Summer Terms; Dr. Corazon Siddayao (East-West Centre) Lent Term.

The Centre sponsors a monograph series in the field of International Studies published by the Cambridge University Press. During the current year, the following title has been published: B. J. C. McKercher, *The Second Baldwin Government and the United States, 1924-1929*.

Associated with the Centre is the journal *Survey* which deals with East-West issues and which came into a special relationship with the School in 1976.

The Centre's Steering Committee consists of Dr. M. Leifer (Chairman, Professor R. Higgins, Professor G. Ionescu, Mr. L. Labeledz (Editor, *Survey*), Dr. P. H. Lyon, Dr. H. Machin, Mr. J. B. L. Mayall, Professor I. H. Nish, Dr. A. B. Polonsky, Mr. P. Reddaway, Dr. A. Sked, Dr. G. R. Smith, Mr. G. H. Stern, Mr. M. D. Steuer, Professor S. Strange, Dr. P. G. Taylor, Professor D. C. Watt, Professor P. J. de la F. Wiles, Mr. P. Windsor.

**Business History Unit** (Lionel Robbins Building, 10 Portugal Street, London WC2A 2HD)

The Unit has been set up by the School and the Imperial College of Science and Technology to fill an important gap in the historical field, that is the history of business, including technological aspects. The early years of the Unit will be financed by a private appeal which was launched by the two colleges and to which a number of members of the business community have subscribed. Professor Leslie Hannah, its Director, began work in the latter half of 1978 on planning the Unit's activities, and subsequent appointments include Dr. Geoffrey Jones as Lecturer researching on projects on multinational corporations and banking; Dr. Jonathan Liebenau as Research Officer on a project on patents and new technology; Dr. Richard Davenport-Hines as Research Officer on a project on the pharmaceutical industry; Dr. Mari Williams as Research Officer on a project on innovation in scientific instruments; Ms. Susan Crawshaw as the Unit's Administrative Secretary; Dr. D. J. Jeremy as editor of the Dictionary of Business Biography; Dr. Christine Shaw as deputy editor and Ms. Margaret Kiely as research assistant on the DBB; and Ms. Sarah Silcox and Dr. Nuala Zahedieh as research assistants on a project on the history of occupational pensions. Academic visitors to the Unit include Dr. W. J. Reader (working on teaching materials in business history), Dr. H. F. Gospel (on management-industry relations) and Sir Arthur Knight (on government-industry relations).

The financial management of the Unit is in the hands of a Steering Committee on which the School, Imperial College and business are represented. Its members are: Dr. I. G. Patel (Chairman), Professor T. C. Barker (LSE), Mr. M. Caine (Booker McConnell), Rt. Hon. E. Dell (Channel Four Television), Mr. K. Dixon (Rowntree MacIntosh), Sir Arthur Knight, Sir Alastair Pilkington (Pilkington Bros. Ltd), Professor Z. A. Silberston (Imperial College), Mr. M. A. Weinberg.

Academic guidance and support is provided by an Academic Management Committee consisting of: Professor T. C. Barker (LSE), Professor S. G. Checkland (Glasgow), Professor D. C. Coleman (Cambridge), Professor H. C. Edey (LSE), Professor Sir Douglas Hague (Oxford Management Centre), Professor L. Hannah, Sir Arthur Knight (Dunlop), Professor F. F. Land (LSE), Professor D. G. MacRae (LSE), Sir Alastair Pilkington (The Chloride Group), Professor L. S. Pressnell (Kent), Dr. W. J. Reader, Professor B. C. Roberts (LSE), Professor Z. A. Silberston (Imperial College), Professor K. E. Thurley (LSE), Professor Charles Wilson (Cambridge).

#### **Suntory-Toyota International Centre for Economics and Related Disciplines**

The work of the Centre is directed by the Steering Committee consisting of: The Director, The Pro-Director, the Convener of the Economics Department, the Chairman of the School's Research Committee, and Professor A. B. Atkinson, Professor K. Binmore, Professor B. Carsberg, Professor W. R. Cornish, Professor J. Durbin,

Professor R. M. Farr, Professor H. Glennerster, Professor L. Hannah, Professor M. King, Dr. M. Leifer, Professor I. Lewis, Professor D. G. MacRae, Professor M. Morishima, Professor I. Nish, Dr. T. J. Nossiter, and Professor K. Thurley.

The Planning Sub-Committee consisting of Professors Atkinson, Carsberg, Durbin, Glennerster, King, Morishima, Dr. Nossiter and Professor Thurley meets regularly to consider applications to the Centre for support for research, and to discuss other aspects of the Centre's work.

ST/ICERD finances a wide variety of research by members of the School staff, both inside and outside the Centre. Areas of research recently undertaken include work on the position of school-leavers, on the construction of financial data base, on unemployment, on the UK monetary sector, on pensions in France, and on the economic history of Japan. The Centre also provides funds to support the Saji Research Lectureship in Japanese Economic and Social History.

Support for postgraduate students is offered annually in the form of the Suntory-Toyota Studentships. The awards are intended to cover LSE fees, and may also include a maintenance grant. The studentships are administered by the Student Support Committee of the LSE.

The LSE Suntory-Toyota Lectures under the direction of the ST/ICERD Lectures Committee are intended to attract a wide and diverse audience from outside the School as well as LSE students and staff members.

Series of seminars are organised in a variety of fields during the year, including the Theoretical Economics Workshop, the International Studies Programme seminars, the Anglo-French Workshop, the Capital Markets Workshop and the Welfare State Programme discussion group and seminars.

The Centre publishes discussion papers relating to the following subjects: Economics, Econometrics, Theoretical Economics, International Economics, International Studies, and Comparative Industrial Relations. The Welfare State Programme also produces a discussion paper series. Five Occasional Papers have been produced and another two are expected during 1985. These are sold by, and are available at the Centre.

The Centre is host to Academic Visitors and Distinguished Visitors from all over the world, welcoming them to participate in the academic life of the School and the University. The Japanese Visitors Scheme, intended to attract younger Japanese scholars working in both Japan and other parts of the world to visit the School, has recently been introduced.

The above activities are financed by the income arising to the Foundation for Economic Research at LSE which was established in 1978 on the basis of funds donated by Suntory Ltd., and the Toyota Motor Company Limited of Japan. In July 1985, a further donation was given to ST/ICERD by Suntory Limited, to support research on the future of the Welfare State, a comparative study of the roles of electronics engineers in Japan, the UK and West Germany, and research on Japanese economic and political history.

#### **Decision Analysis Unit**

Creating usable scientific knowledge of human decision making is the main purpose guiding the work of the Decision Analysis Unit. Most of the Unit's research is conducted in the field; by helping organisations to improve the quality of specific decisions they are currently facing, much is learned about how real problems are dealt with by individuals and groups, and how they can be helped to do better.

In 1984-85, a variety of industrial organisations asked the Unit to help with problems as varied as allocating a development budget to determining a new strategic direction. A common theme is evident in all this work: high-level decisions in companies are made more complex by the difficulty in balancing several objectives at once. What is good in the short term is often bad in the long term, and the survival of the organisation may well depend on getting the tradeoff right. How this is to be done, particularly where soft

objectives like 'compatibility with corporate mission' or 'synergy with other parts of the organisation' are to be included, is the subject of much of the Unit's work.

Project work during 1984-85 included research (sponsored by ICL's University Research Council) on the problem-solving language of high-level decision makers, development (sponsored by ICL) of decision support technology, research (under an ESPRIT collaboration with STL and Essex County Council) on a functional analysis of office automation requirements, and research (sponsored by the U.S. Army Research Institute for the Behavioural and Social Sciences) on a structuring language and interactive modules for handling decision problems. During the year, work was completed on an ESRC project that investigated how the processes of making decisions about careers change over time for an individual, and on a project for the Manpower Services Commission in which a computer programme for aiding career decision making in schools was developed and field tested. Work was also completed (in collaboration with Human Reliability Associates) on an approach to assessing human error probabilities using human judgement structured with the help of an interactive computer programme called SLIM-MAUD.

Several organisations took advantage of the Unit's rapid problem solving service, decision conferencing. Problem owners from an organisation come to the Unit for an intensive two-day problem solving session that uses decision technology implemented in on-the-spot computer modelling, to generate a socially-shared representation of the problem that usually leads to a solution and an action plan. During 1984-85, resource allocation and budgeting were the topics of many conferences, with the result that several hundred millions of pounds were reallocated to give improvements in expected benefits as judged by the participants. The technology of decision conferencing has been transferred to ICL, who announced early in 1985 that they will be offering this service.

Software developed in the course of project work is available from the Unit, through the provision of end-user licences. One of the programmes, MAUD, a flexible and user-friendly system that helps people to clarify their objectives and to choose among options, is also being sold by ICL.

The work of the Unit is guided by a Steering Committee whose members include the Pro-Director, Professor D. J. Bartholomew, Professor D. R. Diamond, Professor F. F. Land, Professor R. M. Farr, Professor L. P. Foldes, Mr. Q. Morris, Mr. Roger Miller, Secretary General, Association of Insurance and Risk Managers in Industry and Commerce, Mr. Tom Evans, King's Fund College, and Professor John Hawgood, Durham University.

#### ESRC Centre in Economic Computing

The ESRC Centre in Economic Computing was established at the School in July 1983, following a five year grant from the Economic and Social Research Council (formerly the Social Science Research Council).

The primary role of the Centre is to provide a general purpose 'package' for management and analysis of economic data which can be used by social scientists, who increasingly have a need to use quantitative methods in research but who may require advice and assistance. An important part of the Centre's effort will be directed towards the establishment of an environment in which the difficulties of programming verifying and exploiting new techniques are minimised. Additionally the Centre continually reviews the availability of software for economists, and offers advisory and consultancy services on its use. Work has started on the foundation of an algorithm library of econometric routines and this is linked with the design study for the Centre's econometric package. A program has been developed to access the Central Statistical Office Data Base and this has a number of users, both via the universities network and at universities and polytechnics where it has been installed. The program is currently being prepared for sale to commercial customers. The Centre distributes a regular Bulletin, which includes an Information Service giving details of software and hardware of interest to economists.

The Centre's clients include economists in government and public service, business, universities and polytechnics, and new contacts of this type are always welcome. Visits are made to interested parties to discuss the role of the Centre and aspects of its work and services. Although its principal function is to serve the academic community, the Centre is expected to develop a commercial role and eventually become self-supporting.

Dr. Brian Cooper was appointed Director of the Centre in July 1983 and subsequent appointments include Miss Diana Whistler, Dr. Russell Lloyd, Mr. Frank Srba and Dr. Bahram Pesaran as Research Officers and Mrs. Rosemary Goodwin as the Centre's Secretary. A fifth Research Officer is currently being recruited. The Centre is comfortably accommodated in offices on the fourth floor of the Lionel Robbins building.

The management of the Centre is directed by a Steering Committee consisting of: the Pro-Director (Chairman), Professor D. F. Hendry (Nuffield College), Professor A. C. Harvey (LSE), Professor P. M. Stocker (East Anglia), Dr. B. E. Cooper and Professor K. F. Wallis (Director of the ESRC Macroeconomic Modelling Bureau, Warwick - ex-officio). An Advisory Committee meets annually to discuss the Centre's overall strategy and monitor its progress.

#### Greater London Group

The Group, formed in 1958 by Professor W. A. Robson who remained its chairman until his death in 1980, consists of about 15 members of the academic staff from several departments of the London School of Economics and Political Science together with three members from other colleges of London University. The Group was originally formed to give disinterested evidence to the Royal Commission on Local Government in Greater London. The Group's evidence had a considerable influence on the report of the Royal Commission and even more on the reforms carried out by the London Government Act 1963. Since then it has continued to carry out research into a number of subjects relating to local government in London and the south east region. Published results include:

S. K. Ruck, *London Government and the Welfare Services*, Routledge and Kegan Paul, 1963.

S. K. Ruck, *Municipal Entertainment and the Arts in Greater London*, Allen and Unwin, 1965.

Greater London Group, *Local Government in South East England*, Royal Commission on Local Government in England, Research Studies 1, H.M.S.O., 1968.

G. Rhodes, *The Government of London: The Struggle for Reform*, Weidenfeld and Nicolson, 1970.

G. Rhodes (Ed.), *The New Government of London: The First Five Years*, Weidenfeld and Nicolson, 1972.

E. Wistrich, *Local Government Reorganisation: The First Years of Camden*, Camden Borough Council, 1972.

M. F. Collins and T. M. Pharaoh, *Transport Organisation in a Great City: The Case of London*, Allen and Unwin, 1974.

The Group has subsequently completed three major research projects. One is an examination of London's labour market with particular reference to the problems of recruitment and retention of staff by large employers in both the public and private sectors of industry. The second is a comparative study of the political process in four London boroughs. Entitled 'Politics and Democracy in Four Selected London Boroughs', it sought to determine what factors influence the policies and resource allocation of the Councils and the methods by which these matters are determined. The Group submitted evidence to the Government on the proposed abolition of the Greater London Council and has examined how London government will work after the abolition of the GLC.

To complement the major publications noted above, the Group also publishes a series of research monographs known as the Greater London Papers (they are listed at the



foot of this note). The current office holders are: Chairman: Professor D. R. Diamond, Research Secretary: Dr. M. Hebbert.

#### PUBLICATIONS

##### Greater London Papers

1. *Education in Greater London*, A. V. Judges. 2. *Theories of Local Government*, W. J. M. Mackenzie. 3. *The Greater London Boroughs*, W. A. Robson. 4. *Housing in Greater London*, J. B. Cullingworth. 5. *Health, Welfare and Democracy in Greater London*, D. V. Donnison. 6. *Transport in Greater London*, E. Davies. 7. *Town Planning in Greater London*, P. J. O. Self. 8. *A Metropolis Votes*, L. J. Sharpe. 9. *The Heart of Greater London*, W. A. Robson. 10. *Research in Local Government*, L. J. Sharpe. 11. *Policies and Politics in Secondary Education*, D. Peschek and J. Brand. 12. *Town Government in South-East England*, G. Rhodes. 13. *Some Characteristics of Motorists in Central London*, J. M. Thomson. 14. *Metropolitan Planning*, P. J. O. Self. 15. *Labour Supply and Employment Duration in London Transport*, John W. Smith. 16. *Future of London Government*.

Papers Nos. 1, 3, 4 and 6 are out of print; the remainder are available from the Secretary of the Group.

##### Centre for Labour Economics

The Centre for Labour Economics is a part of the Department of Economics. It is one of nine E.S.R.C. Designated Research Centres in the social sciences, to which the Economic and Social Research Council has committed long-term finance. The Centre's major current research is on unemployment, asking why the level of unemployment has been so high, and what can be done about it. The work involves studies of labour demand and supply, as well as of the unemployed themselves. Work is also being done on the relation between inflation and the level of unemployment, and the relation between employment and fiscal and monetary policy. The work is supported not only by E.S.R.C. but also by the Department of Employment and the Esmee Fairbairn Charitable Trust.

The research is being undertaken by Dr. C. Bean, Professor R. Blundell, Professor W. Buiter, Dr. S. Estrin, Mr. R. Jackman, Professor R. Layard (Head of the Centre), Professor D. Metcalf, Mr. J. Moore, Professor S. Nickell, Dr. A. Oswald, Dr. C. Pissarides, Dr. J. Symons, Dr. F. van der Ploeg (all part-time), in collaboration with three research officers and numerous research assistants (most of whom are graduate students).

The Centre produces a series of discussion papers which are available on request. Last year 32 discussion papers were produced, and 19 articles published. The Centre has a regular sequence of overseas visitors (mainly from the U.S.). There is a weekly seminar on unemployment attended by civil servants and academics. There is also an annual conference, which will this year take a concerted look at British economic performance. The proceedings of the last conference, on Trends in Female Labour Supply, were published as a special issue of the *Journal of Labour Economics* early in 1985.

The Centre has a library on the economics of labour, and is associated with the teaching of labour economics to M.Sc. and Ph.D. students. Many research students work in the Centre, either on E.S.R.C. grants or financed by the Centre.

##### Industrial Relations and Work Behavioural Research Unit

This Unit was formed to bring together the research activities of the Industrial Relations department. The overall research programme is under the direction of Professor K. E. Thurley.

Current research includes a study of motor-car industrial relations in West European countries and the USA; a project on the personnel function in the UK; a project on

the attitudes of electronics industry employees in eight countries, a study of the roles of trade union officers and an evaluation of the organisation of the training function.

**Institute of Manpower Studies**, Mantell Building, University of Sussex, Falmer, Brighton BN1 9RF

An agreement exists between the School and the Institute, which is an independent company limited by guarantee, registered as a charity and located at London School of Economics and the University of Sussex.

The Institute became operational in 1970. It is a professional body which has consolidated and expanded its research, advisory and related work in the fields of manpower management, the operation of labour markets, issues of employment policy, training policy, and youth training and skills analysis. The Institute is specifically concerned with: providing informed comments on manpower issues of national importance; undertaking relevant investigations and research; raising the standards of practice of manpower management in employing organisations; creating a wider understanding of the practical issues involved.

The Institute's extensive education and training programme is concerned particularly with providing short, post-experience courses and management seminars firmly based on its research and advisory activity. It also provides limited opportunities for longer term postgraduate work and for secondments from industry and other employing organisations.

I.M.S. expertise and resources are available to all organisations requiring guidance on the solution of manpower or labour market problems. The Institute has close contact with employers, trade unions, representative associations, and government departments and agencies. Institute staff have built up extensive working relationships throughout the United Kingdom and in other countries.

The Institute's President is Sir Peter Walters, the Executive Chairman is Mr Alan Swinden, the Director is Dr. Clive Purkiss, and the Associate Directors are Mr. Malcolm Bennison and Mr. Richard Pearson. Annual reports, newsletters and lists of publications are available from the Institute.

##### Population Investigation Committee

The Population Investigation Committee, which was established in 1936, is a research group concerned with the study of demographic questions and has been housed at the School since World War II. It is affiliated with the School and acts as adviser on questions of demographic research and teaching.

Since 1948, the Committee has published *Population Studies*, the first English language journal devoted to the subject and one of the world's leading demographic publications. The first editors were Professor D. V. Glass (until his death in 1978) and Mr. E. Grebenik who continues as editor with Professor J. N. Hobcraft and Dr. R. Schofield as associate editors. The journal appears three times a year and has a large circulation, more than 75% of which is made up of overseas subscribers.

A major investigation initiated by the Committee under the direction of Dr. J. W. B. Douglas, was the National Sample Survey of the Health and Development of Children, based on a follow-up study of an appropriately designed sample of children born in one week in 1946 in every area of Great Britain. Many papers and a number of books have resulted from this study, which was taken over by the Medical Research Council in 1962, when the M.R.C. Unit for the Study of Environmental Factors in Mental and Physical illness was set up at L.S.E. When Dr. Douglas retired in 1979, the Unit was transferred to the University of Bristol, with Professor John Colley being appointed as the new Director.

In 1976 the Nuffield Foundation awarded a grant to the Committee to analyse the data on social mobility in the National Sample Survey and several papers resulting from this research have been published.

The Committee's research programme has included studies of the changes in marriage and divorce in England and Wales over the past hundred years and investigations into fertility and birth control practice as well as research into historical demography. Publications resulting from the research include many papers and several books, notably *Birth Control Practice and Marital Fertility in Great Britain*, by C. M. Langford, *The Demography of the British Peerage*, by T. M. Hollingsworth and *Numbering the People* by D. V. Glass. The Committee also co-operated with the Scottish Mental Survey in their follow-up study of Scottish children, which resulted in the publication of many books.

In collaboration with L.S.E., the Committee organised a postgraduate training programme in demography, focused on developing countries by accepting students from developed societies. Since its establishment in 1965, over 300 students have been admitted. A book embodying the results of new methodological research undertaken in connection with the training programme, *Demographic Estimation for Developing Societies*, by N. H. Carrier and J. N. Hobcraft, was published by the Committee in 1971.

In 1981, the Committee set up a small grant scheme to encourage research work in population studies, and grants have been given to enable data to be collected in Italy, Swaziland and Malaysia, as well as in the U.K.

The Committee has received financial support from many bodies, including the Social Science Research Council, the Ford Foundation, the Home Office, the International Planned Parenthood Federation, the Nuffield Foundation, the Eugenics Society, the Simon Population Trust, the Population Council and the Rockefeller Foundation. The Chairman of the Committee is Professor E. A. Wrigley; the Vice-Chairman is Professor J. N. Hobcraft; the Honorary Treasurer is the Government Actuary, Mr. E. A. Johnston; the Research Secretary is Mr. M. Murphy, and the General Secretary is Mrs. D. Castle.

#### Other Aspects of Research

Other aspects of the School related to the pursuit of research are dealt with in other parts of the *Calendar* where particulars will be found of the resources of the British Library of Political and Economic Science, one of the most important 'tools' for social scientists in the world, and of the Graduate School and the facilities provided for graduate students.

This brief account of the research in relation to the teaching and research staff of the School would not be complete without reference to the important contribution which the School makes by the training of research workers, many of whom thereafter carry their experience to newer centres of social studies both at home and abroad.

#### Computer Services

As members of the University of London, the students and staff of the School have access to the University computer facilities. These comprise the Amdahl 470 V/8 and Cray 1S computers at the University of London Computer Centre (ULCC); the ICL 2988 computer and Distributed Array Processor at Queen Mary College; and the CDC Cyber 855 computer at Imperial College.

The School has two Digital VAX 11/780 computers running VMS, which are used for teaching purposes, job preparation and small scale research projects. They are linked to ULCC and beyond via a network.

Over 100 workstations (mainly BBC micros acting as terminals including 50 in three classrooms) are available to connect to the computers. Interactive graphics facilities are available for use with Tektronix computer display terminals. A PDP 11/34 and a variety of micro computers are also available for use. A Systime 6400 is available for word processing by staff in academic departments.

It is the policy of the University of London to charge all users who are in receipt of research grants with a financial provision for computing the direct cost of computer resources. All other users are entitled to an allocation of computer time for teaching

and academic research purposes, although charges will be made for the hire of magnetic tapes or discs, and the use of some consumables.

A computer service comprising computer operating, and programming advisory services, is provided under the Head of the Computer Service. A comprehensive range of programs designed for the use of social scientists is available to members of the School.

## Publications by Members of Staff from 1 August 1983 to 31 July 1984

(This list includes publications that were not available for inclusion in the report for 1982-83.)

### Director's Publications

- Reisen nach innen und aussen* (DVA, Stuttgart, 1984)  
*Al di là della Crisi* (Laterza, Roma-Bari, 1984)  
 'Für einen Liberalismus der Zukunft' in J. Morlok (Ed.), *Liberal Profile* (Seewald Verlag, Stuttgart, 1983)  
 'Theodor Heuss: zur geistigen Gestalt des Politikers und Publizisten' in M. Vogt (Ed.), *Theodor Heuss, Politiker und Publizist* (Rainer Wunderlich Verlag, Tübingen, 1984)  
 'Weltverantwortung und individuelle Lebenschancen' in H. Hamm-Brücher and P. Noack (Eds.), *Vom rechten Gebrauch der Freiheit* (Stiftung Theodor-Heuss-Preis, München, 1984)  
 'Die Chancen des kleinen Mannes: Ein kritisches Ferninterview mit Ralf Dahrendorf' in D. Prokop, *Heimlich Machtergreifung: Neue Medien verändern die Arbeitswelt* (Fischer Taschenbuch Verlag, Frankfurt a.M., 1983)  
 Ralf Dahrendorf in Altaf Gauhar (Ed.), *Talking about Development* (Third World Foundation for Social and Economic Studies, London, 1983)  
 'Wenn der Arbeitsgesellschaft die Arbeit ausgeht' in *Krise der Arbeitsgesellschaft?* (Verhandlungen des 21. Deutschen Soziologentages in Bamberg 1982, Campus-Verlag, Frankfurt a.M., 1983)  
 'The Voluntary Sector in a Changing Economic Climate' The Inaugural Arnold Goodman Charity Lecture, 29 November 1983 (Charities Aid Foundation, Tonbridge, 1983)  
 'In Defence of the English Professions' Jephcott Lecture delivered to the Royal Society of Medicine, 31 October 1983 (*Journal of the Royal Society of Medicine*, Vol. 77, March 1984)  
 'Die geistige und politische Freiheit in der Massendemokratie' (*Liberal*, 25, Jahrgang, Heft 12, December 1983)  
 'Universitäten, Eliten, technischer Fortschritt' (*Liberal*, 26, Jahrgang, Heft 1, 1984)

### Accounting and Finance

#### Mr. S. P. Lumby

- (With B. V. Carsberg) *The Evaluation of Financial Performance in the Water Industry* (CIPFA, August 1983)  
*Investment Appraisal* (Van Nostrand Reinhold, 2nd edition, 1984)  
 (With B. V. Carsberg) 'Privatising BAA: Summary and Overview' in B. V. Carsberg and S. P. Lumby (Eds.), *Privatising British Airports Authority: Policies, Prospects and Procedures* (Public Money/Faculties Partnership, February 1984)  
 'The Case Against WACC in Investment Appraisal' (*Accountancy*, September 1983)  
 (With B. V. Carsberg) 'Current Cost Accounting in the Water Industry' (*Public Finance and Accounting*, September 1983)  
 'Capital Investment Decision Making' (*The Economic Review*, March 1984)

#### Mr. Christopher J. Napier

- 'Pension Costs' in D. J. Tonkin and L. C. L. Skerratt (Eds.), *Financial Reporting 1983-84: A Survey of U.K. Published Accounts* (Institute of Chartered Accountants in England and Wales, 1983)

#### Ms. Janette Rutterford

- An Introduction to Stock Exchange Investment* (Macmillan Press, 1983)  
 'Index-Linked Gilts' (*National Westminster Bank Quarterly Review*, November 1983)  
 (With L. H. Leigh) 'Investor Protection: The Gower Report - I' (*Business Law Review*, Vol. 5, No. 4, April 1984)  
 (With L. H. Leigh) 'Investor Protection: The Gower Report - II' (*Business Law Review*, Vol. 5, No. 5, May 1984)  
 'The U.K. Corporate Bond Market: Prospects for Revival' (*National Westminster Bank Quarterly Review*, May 1984)

#### Dr. M. Walker

- (With A. Shah) 'An Empirical Appraisal of Regional Earnings Differentials' (*Applied Economics*, Autumn 1983)  
 (With B. Beavis) 'Imperfect Monitoring and the Market for Pollution Licences' (*Journal of Public Economics*, Autumn 1983)  
 'Financial Accounting Reports: A Market Model of Disclosure - A Comment' (*Journal of Business Finance and Accounting*, Autumn 1983)  
 'Risk Attitudes, Value-Restricted Preferences and Public Choice over Lotteries and Information Systems' (*Accounting Review*, April 1984)  
 (With J. Board) 'The Effects of Holding Gain Information on the Stock Market Evaluation of Publicly Quoted Companies' (ICMA Occasional Papers Series, 1984)

### Anthropology

#### Ms. Mary J. Auckland

- 'Getting into the Literature' in R. F. Ellen (Ed.), *Ethnographic Research: A Guide to General Conduct* (Academic Press, 1984)

#### Professor M. E. F. Bloch

- (Editor with J. Parry) *Death and the Regeneration of Life* (Cambridge University Press, 1982)  
*Marxism and Anthropology: The History of a Relationship* (Clarendon Press, Oxford, 1983)  
 'Death, Women and Power' in M. Bloch and J. Parry (Eds.), *op. cit.*  
 'La Séparation du Pouvoir et du Rang comme Processus d'Evolution' in F. Raison Jourde (Ed.), *Les Souverains de Madagascar* (Karthala, Paris, 1983)  
 'The Astronauts and the Moon Spirit' (*New Society*, December 1982)  
 'Pairs' (*The London Review of Books*, May 1983)  
 'Communism and Shamanism' (*The London Review of Books*, September, 1983)  
 'The Changing Relationships between Rural Communities and the State in Central Madagascar during the 19th and 20th Centuries' (*Rural Communities*, Recueil de la Société, Vol. XL, Jean Bodin, 1983)

#### Dr. C. J. Fuller

- Servants of the Goddess: The Priests of a South Indian Temple* (Cambridge University Press, 1984)

#### Professor I. M. Lewis

- Una Democrazia pastorale: Modo di produzione pastorale e relazioni politiche tra i Somali settentrionali* (Franco Angeli, Milan, 1983)  
 'What is a Shaman?' in M. Hoppal (Ed.), *Shamanism in Eurasia* (Göttingen, 1984)  
 'Sufism in Somaliland: A Study in Tribal Islam' in A. S. Ahmed and D. M. Hart (Eds.), *Islam in Tribal Societies* (Routledge and Kegan Paul, 1984)

'The Cannibal's Cauldron' (*Research: Contributions to Inter-disciplinary Anthropology*, 2, 1983)

'The Past and the Present in Islam: the Case of African "Survivals"' (*Temenos*, Vol. 19, 1983)

**Dr. Angela Raspin**

'A Guide to Ethnographical Archives' in R. F. Ellen (Ed.), *Ethnographical Research: A Guide to General Conduct* (Academic Press, 1984)

**Decision Analysis Unit**

**Dr. P. C. Humphreys**

Editor and Contributor with O. Svenson and A. Vari *Analysing and Aiding Decision Processes* (North Holland Publishing Company, Amsterdam, 1983)

(With D. Berkeley) 'Problem Structuring Calculi and Levels of Knowledge Representation in Decision Making' in R. W. Scholz (Ed.), *Decision Making Under Uncertainty* (North Holland Publishing Company, Amsterdam, 1983)

(With D. Embrey, E. Rosa, B. Kirwan and K. Rae) 'SLIM-MAUD: An Approach to Assessing Human Error Probabilities using Structured Expert Judgement. Vol. I: Overview of SLIM-MAUD; Vol. II: Detailed Analysis of the Technical Issues' (US Nuclear Regulatory Commission, Vol. I, March 1984; Vol. II, July 1984)

'Levels of Representation in Structuring Decision Problems' (*Journal of Applied Systems Analysis*, 11, 1984)

(With D. Berkeley and D. Davidson) 'Demands Made on General Practice by Women Before and After an Abortion' (*Journal of the Royal College of General Practitioners*, 34, 1984)

**Dr. L. D. Phillips**

'A Theoretical Perspective on Heuristics and Biases in Probabilistic Thinking' in P. C. Humphreys, O. Svenson and A. Vari (Eds.), *Analysing and Aiding Decision Processes* (North Holland Publishing Company, Amsterdam, 1983)

**Mr. R. S. Wooler**

(With A. Erlich) 'Interdependence between Problem Structuring and Attribute Weighting in Transitional Decision Problems' in P. C. Humphreys, O. Svenson and A. Vari (Eds.), *Analysing and Aiding Decision Processes* (North Holland Publishing Company, Amsterdam, 1983)

(With D. Zakay) 'Time Pressure, Training and Decision Effectiveness' (*Ergonomics*, Vol. 27, No. 3, 1984)

**Economics**

**Professor A. B. Atkinson**

(Editor with F. A. Cowell) *Panel Data on Incomes* (ICERD Occasional Paper 2, 1983)

(With M. A. King and N. H. Stern) 'Memorandum' in House of Commons Treasury and Civil Service Committee, *Structure of Personal Income Taxation and Income Support* (HMSO, 1983)

(With H. Sutherland) 'Analysis of Reforms of the Tax/Benefit System' in House of Commons Treasury and Civil Service Committee, *Structure of Personal Income Taxation and Income Support* (HMSO, 1983)

(With M. King and H. Sutherland) 'The Analysis of Personal Taxation and Social Security' (*National Institute Economic Review*, No. 106, 1983)

(With J. Gomulka, J. Micklewright and N. Rau) 'Durée du Chômage et Incitations' (*Annales de l'INSEE*, No. 52, 1983)

(With J. Gomulka, J. Micklewright and N. Rau) 'Unemployment Benefit, Duration and Incentives' (*Journal of Public Economics*, No. 23, 1984)

'Taxation and Social Security Reform: Reflections on Advising a House of Commons Select Committee' (*Policy and Politics*, Vol. 12, No. 2, 1984)

(With S. P. Jenkins) 'The Steady State Assumption and the Estimation of Distributional and Related Models' (*Journal of Human Resources*, 1984)

**Dr. Nicholas A. Barr**

(With G. Hutchinson and A. Drobny) 'The Employment of Young Males in a Segmented Labour Market: The Case of Great Britain' (*Applied Economics*, Vol. 16, No. 2, April 1984)

**Dr. C. R. Bean**

'Targeting Nominal Income: An Appraisal' (*Economic Journal*, December 1983)

'Optimal Wage-Bargains' (*Economica*, May 1984)

**Mr. D. P. C. Blake**

'Complete Systems Methods of Estimating Models with Rational and Adaptive Expectations' (*European Economic Review*, Vol. 24, March 1984)

**Dr. Frank A. Cowell**

'Public Policy and Tax Evasion: Some Problems' in A. Wenig and W. Gaertner (Eds.), *The Economics of the Shadow Economy* (Springer Verlag, Berlin, 1984)

**Dr. Moshe Efrat**

'The Economics of Soviet Arms Transfers to the Third World - A Case Study: Egypt' (*Soviet Studies*, Vol. XXXV, No. 4, October 1983)

'The Palestinian Population in Lebanon - Facts and Fallacies' (*International Problems*, No. 3, April 1983)

'Soviet-Third World Trade and Payments: The Case of Egypt - A Reassessment' (*International Journal of Middle East Studies*, No. 3, July 1984)

**Dr. Douglas Gale**

*Money in Disequilibrium* (Nisbet/Cambridge University Press, November 1983)

**Dr. Stephen Glaister**

*Mathematical Methods for Economists* (Blackwell, 3rd edition, 1984)

(With M. E. Beesley) 'Information for Regulating: The Case of Taxis' (*The Economic Journal*, September 1983)

**Dr. Stanislaw Gomulka**

(With A. Nove) *East-West Technology Transfer: Econometric Evaluation of the Contribution to the East's Economic Growth* (OECD, Paris, 1984)

'Specific and Systemic Causes of the Polish Crisis, 1980-82' (*Slavic and Soviet Series*, Vol. 5, No. 1-2, Tel-Aviv University, Autumn 1983)

'The Incompatibility of Socialism and Rapid Innovation' (*Journal of International Studies*, Vol. 13, No. 1, Spring 1984)

(With Jacek Rostowski) 'The Reformed Polish Economic System, 1982/83' (*Soviet Studies*, July 1984)

**Professor Oliver D. Hart**

'The Market Mechanism as an Incentive Scheme' (*Bell Journal of Economics*, Autumn 1983)

(With S. Grossman and E. Maskin) 'Unemployment with Observable Aggregate Shocks' (*Journal of Political Economy*, December 1983)

**Dr. Brian Hindley**

- (Editor) *State Investment Companies in Western Europe* (Macmillan, 1983)  
 'What is the Case for State Investment Companies?' in Brian Hindley (Ed.), *ibid.*  
 (With R. Richardson) 'The Industrial Reorganisation Corporation' in Brian Hindley (Ed.), *ibid.*  
 (With R. Richardson) 'The National Enterprise Board' in Brian Hindley (Ed.), *ibid.*  
 'Trade Policy, Economic Performance, and Britain's Economic Problems' in John Black and Alan Winters (Eds.), *Policy and Performance in International Trade* (Macmillan, 1983)  
 'The Justice of Economics?' (Review Article of Posner, *The Economics of Justice*) (*The Modern Law Review*, November 1983)

**Mr. R. A. Jackman**

- 'Money Wage Rigidity in an Economy with Rational Trade Unions' in G. Hutchinson and J. Treble (Eds.), *Recent Advances in Labour Economics*, Croom Helm, 1984  
 (With G. Fethke) 'Optimal Monetary Policy, Endogenous Supply, and Rational Expectations' (*Journal of Monetary Economics*, March 1984)  
 'The Rates Bill: A Measure of Desperation' (*Political Quarterly*, April-June 1984)

**Dr. John S. Lane**

- 'Some Problems in Modelling the Optimal Division of a 'Cake' Between an Unknown Number of Participants' (*Economic Modelling*, Vol. 1, January 1984)  
 'Normative Modelling and Cost-Benefit Analysis in Population Economics' (*Economic Perspectives*, Vol. 3, 1984)

**Professor P. R. G. Layard**

- (Editor with C. Greenhalgh and A. Oswald) *The Causes of Unemployment* (Oxford University Press, 1984)  
 (With G. Basevi, O. Blanchard, W. Buiter and R. Dornbusch) *Europe: The Case for Unsustainable Growth* (Centre for European Policy Studies, Paper No. 8/9, May 1984)

**Dr. Julian Le Grand**

- (With R. Robinson) *The Economics of Social Problems: the Market vs. the State* (Macmillan, 2nd British edition, 1984)  
 'Equity as an Economic Objective' (*Journal of Applied Philosophy*, Vol. 1, No. 1, 1984)  
 'The Future of the Welfare State' (*New Society*, No. 1124, 1984)

**Dr. Jan R. Magnus**

- 'L-Structured Matrices and Linear Matrix Equations' (*Linear and Multilinear Algebra*, 1983)

**Mr. D. E. de Meza**

- 'A Growth Theory of a Tenured-Labour-Managed Firm: Comment' (*Quarterly Journal of Economics*, August 1983)  
 'The Transfer Problem in a Many-Country World; Is It Better To Give Than Receive?' (*Manchester School*, September 1983)  
 'Multinational Companies and National Welfare' (*Australian Economic Papers*, December 1983)  
 'Private Disclosure: Is Honesty Enough?' (*European Economic Review*, March 1984)  
 'The Fourth Commandment: Is It Pareto-Efficient?' (*Economic Journal*, June 1984)  
 (With P. Dickinson) 'Risk Preferences and Transaction Costs' (*Journal of Economic Behaviour and Organisation*, June 1984)

**Dr. C. A. Pissarides**

- 'An Overview of the Demand for Post-Compulsory Education in Britain' in B. A. Weisbrod and H. Hughes (Eds.), *Human Resources, Employment and Development, Volume 3: The Problems of Developed Countries and the International Economy* (Macmillan)  
 (With Y. Ionides) 'Wages and Employment with Firm-Specific Seniority' (*Bell Journal of Economics*, Autumn 1983)  
 (With G. Alogoskoufis) 'A Test of Peice Sluggishness in the Simple Rational Expectations Model: U.K. 1950-1980' (*Economic Journal*, September 1983)  
 'Efficient Job Rejection' (*Economic Journal Conference Papers*, 1984)  
 'Search Intensity, Job Advertising and Efficiency' (*Journal of Labour Economics*, January 1984)

**Dr. Rick van der Ploeg**

- (With V. K. Borooah) *Political Aspects of the Economy* (Cambridge University Press, Cambridge, 1983)  
 'Implications of Workers' Savings for Economic Growth and the Class Struggle' in R. M. Goodwin, M. Kruger and A. Vercelli (Eds.), *Nonlinear Models of Fluctuating Growth* (Springer-Verlag, Berlin, 1984)  
 'Control of Medium-Term Dynamic Econometric Models: an Application to the Cambridge Growth Project Model' (*Transactions of the Institute of Measurement and Control*, Vol. 5, 1983)  
 'Generalized Least Squares Methods for Balancing Large Systems and Tables of National Accounts' (*Review of Public Data Use*, Vol. 12, 1983)  
 'Predator-Prey and Neo-Classical Models of Cyclical Growth' (*Zeitschrift für Nationalökonomie*, Vol. 43, No. 3, 1983)  
 'Economic Growth and Conflict over the Distribution of Income' (*Journal of Economic Dynamics and Control*, Vol. 6, 1983)  
 'Risk and Linear Quadratic Stabilization' (*Economic Letters*, Vol. 15, 1984)  
 'Government Ideology and Re-election Efforts' (*Oxford Economic Papers*, Vol. 36, June 1984)

**Professor A. R. Prest**

- Some Issues in Australian Land Taxation* (Reprint Series 55, Centre for Research on Federal Financial Relation, Australian National University, Canberra, 1983)  
 'Taxation in Ireland' (*British Tax Review*, No. 6, 1983)

**Professor J. D. Sargan**

- 'Identification in Models with Autoregressive Errors' in T. Amemiya (Ed.), *Studies in Econometrics, Time Series and Multivariate Statistics* (Academic Press, 1983)  
 'Identification and Lack of Identification' (*Econometrica*, November 1983)  
 (With A. Bhargava) 'Estimating Dynamic Random Effects Models from Panel Data Covering Short Time Periods' (*Econometrica*, November 1983)

**Dr. Christopher D. Scott**

- 'Transnational Corporations and Asymmetries in the Latin American Food System' (*Bulletin of Latin American Research*, Vol. 3, No. 1, 1984)

**Dr. Avner Shaked**

- (With J. Sutton) 'Natural Oligopolies' (*Econometrica*, September 1983)

**Dr. John Sutton**

- (With A. Shaked) 'Natural Oligopolies' (*Econometrica*, September 1983)

**Dr. Christine M. E. Whitehead**

*Housing Finance* (Conference Paper published by Social Science Research Council, 1983)

'Privatising British Telecom' (*Public Money*, Vol. 3, No. 2, September 1983)

'More Controls?' (*Public Money*, Vol. 3, No. 3, December 1983)

'Acceptable Risk' (*Public Money*, Vol. 3, No. 4, March 1984)

'Regulation and the Private Rented Sector' (*The Building Societies Gazette*, February 1984)

'Costs and Benefits of Removing Mortgage Interest Relief' (*The Building Societies Gazette*, July 1984)

**Professor P. J. D. Wiles**

'Ideology, Methodology and the New-Classical Economics' in A. S. Eichner, *Why Economics is not yet a Science* (M. E. Sharpe, 1983)

'Soviet Inflation 1982' in *Jahrbuch der Wirtschaft Ost-Europas* (Munich, 1983)

'On the Control of Technology' in UNIDO, *Industrial Development Strategies and Policies for Developing Countries* (Vienna, December 1983)

**Geography****Dr. Christopher Board**

(Editor with P. Haggett, D. Lowenthal and R. J. Johnston) *Progress in Human Geography*, Vol. 8 (Edward Arnold, 1984)

(Editor) 'New Insights in Cartographic Communication' (*Cartographica*, Vol. 21, No. 1, University of Toronto Press, 1984; also published in *The International Yearbook of Cartography*, Vol. 23, 1983)

'Higher Order Map-using Tasks: Geographical Lessons in Danger of Being Forgotten' (*Cartographica*, Vol. 21, 1984)

(Compiler) 'Cartographic Activities in the United Kingdom 1980-84' (Report No. 7 prepared on behalf of the Cartography Subcommittee of the Royal Society's British National Committee for Geography, 1984; Reprinted from *The Cartographic Journal* Vol. 21, 1984)

**Professor D. R. Diamond**

(With N. A. Spence) *Regional Policy Evaluation* (Gower, 1983)

'Spatial Analysis and Social Planning' Chapter 6 of J. Midgley and D. Piachaud (Eds.), *The Fields and Methods of Social Planning* (Heinemann, 1984)

'Issues in Public Policy Evaluation: The Case of Regional Policy' (*Geoforum*, Vol. 15, No. 1, 1984)

**Dr. S. S. Duncan**

Editor with J. Anderson and R. Hudson) *Redundant Spaces in Cities and Regions?* (Academic Press, 1983)

(With J. Anderson and R. Hudson) 'Uneven Development, Redundant Spaces' Chapter 1 in *op. cit.*

'The Local State and Local Economic Policy: Why the Fuss?' (*Urban and Regional Studies Working Paper*, 39, University of Sussex, 1984)

'The Local State and Local Economic Policy: the struggle over political ideas in Britain.' (*Regional Förnyelse-hur?* Report No. 31, Expert Group on Regional Development, Industry Department, Stockholm, 1983)

**Dr. F. E. Ian Hamilton**

(Editor with G. J. R. Linge) *Spatial Analysis, Industry and the Industrial Environment Volume 3: Regional Economies and Industrial Systems* (Wiley, Chichester/New York, 1983)

(With G. J. R. Linge) 'Regional Economies and Industrial Systems' in F. E. Ian Hamilton and G. J. R. Linge (Eds.), *op. cit.*

'International Division of Labour Under Capitalism and Socialism' in G. Toxnyqvist, J.-E. Nilsson, L. Svensson and Bj. Gyllstrom (Eds.), *Division of Labour* (Liber, Stockholm, 1984)

'Industrial Restructuring: An International Problem' (*Geoforum*, Vol. 15, No. 3, 1984)

**Dr. Michael Hebbert**

(Editor with H. Machin) *Regionalisation in France, Italy and Spain* (International Centre for Economics and Related Disciplines, London School of Economics, July 1984)

'Sir Frederic Osborn' in G. Cherry (Ed.), *Pioneers in British Planning* (Japanese Translation, Gakugei Shuppan-Sha, 1983)

'Regionalism versus Realism' (*Society and Space*, June 1984)

**Professor Emrys Jones**

'Post-Positivist Social Geography' (*Geojournal*, Vol. 9, 1984)

'On the Specific Nature of Place' (*Geoforum*, Vol. 15, No. 1, 1984)

**Dr. K. R. Sealy**

'Airport Planning and Development in the U.K.' (*Annuario Europeo Dell'Ambiente 1984* (Docter, Milan, January 1984)

**Professor M. J. Wise**

Editor with S. Squires and contributor) *The Role of Geosciences in Development* (Tokyo Geographical Society, 1983)

'The Need for Second Stage Legislation' in *The Future of Common Land and its Management* (Report of Conference, Open Spaces Society, June 1983)

**Government****Dr. Rodney Barker**

'The Rise and Eclipse of the Social Democratic State' in R. L. Borthwick and J. E. Spence (Eds.), *British Politics in Perspective* (Leicester University Press, May 1984)

**Mrs. Anthea Bennett**

(Nineteenth Century Editor) of G. R. Elton (Ed.), *Royal Historical Society: Annual Bibliography of British and Irish History* (Harvester, 1983)

**Professor M. W. Cranston**

'L'Avenir de l'Europe' in Alison Browning (Ed.), *L'Europe et les Intellectuels* (Gallimard, Paris, 1984)

'Are There Any Human Rights?' (*Daedalus*, Vol. 112, No. 4, Fall 1983)

'George Orwell in 1984' (*The American Spectator*, Vol. 17, No. 2, February 1984)

'Discovering the Poor' (*Commentary*, Vol. 77, No. 3, March 1984)

**Dr. Patrick Dunleavy**

'The Limits to Local Government' in M. Boddy and C. Fudge (Eds.), *Local Socialism?* (Macmillan, 1984)

'Political Theory' in J. Short and Z. Bryzinski (Eds.), *Developing Marxism* (Macmillan, 1984)

'Voting and the Electorate' and new chapter in H. Drucker, P. Dunleavy, A. Gamble and G. Peele (Eds.), *Developments in British Politics* (Macmillan, Revised edition, 1984)

**Professor G. W. Jones**

(With John Stewart) *The Case for Local Government* (Allen and Unwin, 1983)  
 'Introduction' and 'Conclusions' in Steve Leach, *The Future of Metropolitan Government* (University of Birmingham, 1984)  
 'Relations entre le Gouvernement Central et le Gouvernement Local' (*Revue Française de Civilisation Britannique*, 1984)  
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### Statistics of Students

**Table A: Undergraduate and Postgraduate Students 1980-81 to 1984-85**

	Session 1980-81	Session 1981-82	Session 1982-83	Session 1983-84	Session 1984-85
<b>REGULAR STUDENTS</b>					
<b>Full-time</b>					
Full London Degree	2071	2137	2120	1997	1990
Other Undergraduates	167	202	195	203	219
<b>ALL UNDERGRADUATES</b>	2238	2339	2315	2200	2209
Higher Degree	1201	1160	1140	1162	1235
Higher Diploma	200	227	184	180	186
Research Fee	61	86	65	71	68
<b>ALL POSTGRADUATES</b>	1462	1473	1389	1413	1489
<b>ALL FULL-TIME STUDENTS</b>	<b>3700</b>	<b>3812</b>	<b>3704</b>	<b>3613</b>	<b>3698</b>
<b>Part-time</b>					
Full London Degree	13	28	26	26	25
Other Undergraduates	-	-	1	-	-
<b>ALL UNDERGRADUATES</b>	13	28	27	26	25
Higher Degree	557	553	464	501	511
Higher Diploma	7	13	11	12	19
Research Fee	18	9	5	9	18
<b>ALL POSTGRADUATES</b>	582	575	480	522	548
<b>ALL PART-TIME STUDENTS</b>	595	603	507	548	573
<b>ALL REGULAR STUDENTS</b>	4295	4415	4211	4161	4271
<b>OCCASIONAL STUDENTS</b>	30	41	36	37	41
<b>SINGLE TERM STUDENTS</b>	79	106	129	135	135
<b>TOTAL OTHER STUDENTS</b>	109	147	165	172	176
<b>TOTAL ALL STUDENTS</b>	<b>4404</b>	<b>4562</b>	<b>4376</b>	<b>4333</b>	<b>4447</b>

**Table B: Undergraduate and Postgraduate Overseas Students: 1980-81 to 1984-85**

By Country of Domicile	Session 1980-81	Session 1981-82	Session 1982-83	Session 1983-84	Session 1984-85
<b>REGULAR STUDENTS</b>					
First London Degree	471	516 (115)	516 (75)	503 (85)	520 (86)
Other Undergraduates	156	190 (10)	183 (17)	191 (20)	206 (25)
<b>ALL UNDERGRADUATES</b>	627	706 (125)	699 (92)	694 (105)	726 (111)
Higher Degree	978	960 (255)	846 (155)	856 (142)	898 (188)
Higher Diploma	157	180 (34)	142 (7)	124 (12)	154 (17)
Research Fee	73	91 (14)	71 (14)	72 (16)	70 (18)
<b>ALL POSTGRADUATES</b>	1208	1231 (303)	1059 (176)	1052 (170)	1122 (223)
<b>ALL REGULAR STUDENTS</b>	1835	1937 (428)	1758 (268)	1746 (275)	1848 (334)
<b>OCCASIONAL STUDENTS</b>	8	2 (2)	21 (1)	11	6
<b>SINGLE-TERM STUDENTS</b>	79	106	129	122	135
<b>TOTAL ALL STUDENTS</b>	<b>1922</b>	<b>2045 (430)</b>	<b>1908 (269)</b>	<b>1879 (275)</b>	<b>1989 (334)</b>

Figures in brackets indicate the number of students not paying the higher rate of fee for overseas students.

### Analysis of Regular and Occasional Students, 1982-85

REGULAR STUDENTS	SESSION 1982-83			SESSION 1983-84			SESSION 1984-85		
	Men	Women	Total	Men	Women	Total	Men	Women	Total
<b>B.Sc. (Economics)</b>									
1st year	17	8	25	19	11	30	19	8	27
2nd year	14	11	25	17	8	25	15	10	25
3rd year	17	11	28	14	11	25	17	8	25
<b>Course-Unit Degree</b>									
1st year	16	8	24	21	10	31	28	12	40
2nd year	22	14	36	14	8	22	22	6	28
3rd year	17	14	31	23	10	33	15	7	22
<b>B.Sc. Mathematics, Statistics, Computing and Actuarial Science</b>									
1st year	13	13	26	18	6	24	18	8	26
2nd year	15	15	30	11	10	21	14	7	21
3rd year	21	3	24	12	17	29	12	10	22
<b>B.Sc. Management Sciences</b>									
1st year	-	-	-	1	-	1	1	-	1
2nd year	1	-	1	-	-	-	2	-	2
3rd year	-	2	2	-	-	-	-	-	-
<b>B.Sc. Mathematics and Philosophy</b>									
1st year	-	-	-	1	-	1	1	-	1
2nd year	1	-	1	-	-	-	2	-	2
3rd year	-	-	-	-	-	-	-	-	-
<b>Grand Total</b>	<b>1265</b>	<b>1265</b>	<b>1265</b>	<b>1187</b>	<b>1187</b>	<b>1187</b>	<b>1195</b>	<b>1195</b>	<b>1195</b>

Analysis of Regular and Occasional Students, 1982-85 — continued

REGULAR STUDENTS	SESSION 1982-83				SESSION 1983-84				SESSION 1984-85			
	STUDENT NUMBERS			Grand Total	STUDENT NUMBERS			Grand Total	STUDENT NUMBERS			Grand Total
	Men	Women	Total		Men	Women	Total		Men	Women	Total	
B.Sc./B.A. Social Anthropology												
1st year	9	12	21	60	3	15	18	56	6	14	20	55
2nd year	3	17	20		9	10	19		2	15	17	
3rd year	4	15	19		4	15	19		9	9	18	
B.Sc. Social Psychology												
1st year	9	11	20	57	4	15	19	60	3	16	19	59
2nd year	2	16	18		9	14	23		4	16	20	
3rd year	8	11	19		3	15	18		8	12	20	
B.Sc. Sociology												
1st year	7	19	26	79	9	18	27	74	8	24	32	75
2nd year	6	19	25		6	17	23		8	15	23	
3rd year	13	15	28		5	19	24		6	14	20	
B.A. French Studies												
1st year	-	-	-	34	-	-	-	20	-	-	-	9
2nd year	3	7	10		2	7	9		-	-	-	
3rd year	2	9	11		3	8	11		2	7	9	
4th year	2	11	13		-	-	-		-	-	-	
B.Sc. Chemistry and Philosophy of Science (jointly with King's College)												
1st year	-	1	1	4	-	-	-	-	-	-	-	-
2nd year	-	1	1		-	-	-		-	-	-	
3rd year	-	2	2		-	-	-		-	-	-	

Analysis of Regular and Occasional Students, 1982-85 — continued

REGULAR STUDENTS	SESSION 1982-83				SESSION 1983-84				SESSION 1984-85			
	STUDENT NUMBERS			Grand Total	STUDENT NUMBERS			Grand Total	STUDENT NUMBERS			Grand Total
	Men	Women	Total		Men	Women	Total		Men	Women	Total	
B.A. Social Anthropology and Mediaeval History												
1st year	-	-	-	2	-	-	-	1	-	-	-	-
2nd year	1	-	1		-	-	-		1	-	-	
3rd year	-	1	1		1	-	-		-	-	-	
B.Sc. Social Policy and Administration												
1st year	-	-	-		-	-	-		3	23	26	26
B.Sc. Social Science and Administration												
1st year	8	12	20	59	8	11	19	53	-	-	-	29
2nd year	4	14	18		4	11	15		6	9	15	
3rd year	4	17	21		4	15	19		4	10	14	
LL.B.												
1st year	45	29	74	255	43	47	90	249	44	41	85	242
2nd year	60	33	93		39	28	67		40	49	89	
3rd year	56	32	88		62	30	92		39	29	68	
LL.B. with French Law												
1st year	-	4	4	14	3	4	7	20	4	5	9	27
2nd year	5	5	10		-	3	3		2	3	5	
3rd year	-	-	-		5	5	10		1	6	7	
4th year	-	-	-		-	-	-		4	4	2	
B.A. History												
1st year	11	10	21	65	11	8	19	61	8	8	16	56
2nd year	9	11	20		10	11	21		11	7	18	
3rd year	9	15	24		10	11	21		11	11	22	
OTHER REGULAR STUDENTS:												
General Course	105	78	183	183	109	82	191	191	107	99	206	206
Pre-Law Year	-	-	-	-	-	-	-	-	-	-	-	-
Trade Union Studies	11	2	13	13	10	2	12	12	13	3	16	16

Analysis of Regular and Occasional Students, 1982-85 — *continued*

REGULAR STUDENTS	SESSION 1982-83				SESSION 1983-84				SESSION 1984-85			
	STUDENT NUMBERS			Grand Total	STUDENT NUMBERS			Grand Total	STUDENT NUMBERS			Grand Total
	Men	Women	Total		Men	Women	Total		Men	Women	Total	
TOTAL REGULAR UNDERGRADUATES	1468	874	2342	2342	1387	839	2226	2226	1351	883	2234	2234
OTHER STUDENTS												
Single Term	63	66	129	129	62	73	135	135	62	73	135	135
Occasional	20	16	36	36	28	9	37	37	21	20	41	41
TOTAL OTHER STUDENTS	83	82	165	165	90	82	172	172	183	93	176	176
TOTAL ALL UNDERGRADUATE STUDENTS	1551	956	2507	2507	1477	921	2398	2398	1434	976	2410	2410
M.Sc.												
1st year	476	229	705		453	273	726		475	268	743	
2nd year and subsequent years	81	49	130	835	81	38	119	845	58	46	104	847
Ph.D./M.Phil.												
1st year	109	57	166		97	63	160		154	61	215	
2nd year and subsequent years	294	138	432	598	301	154	455	615	274	157	431	646
				1604				1663				
LL.M.												
1st year	87	49	136		99	61	160		120	65	185	
2nd year and subsequent years	7	4	11	147	10	4	14	174	12	9	21	206
M.A.												
1st year	10	5	15		13	12	25		21	22	43	
2nd year and subsequent years	3	6	9	24	3	1	4	29	2	2	4	47

Analysis of Regular and Occasional Students, 1982-85 — *continued*

REGULAR STUDENTS	SESSION 1982-83				SESSION 1983-84				SESSION 1984-85			
	STUDENT NUMBERS			Grand Total	STUDENT NUMBERS			Grand Total	STUDENT NUMBERS			Grand Total
	Men	Women	Total		Men	Women	Total		Men	Women	Total	
University Postgraduate Diplomas:												
International Law	-	1	1	1	-	2	2	2	1	2	3	3
Law	-	-	-	-	-	-	-	-	1	-	1	1
Diplomas Awarded by the School:												
Social Planning	5	5	10	10	8	6	14	14	5	5	10	10
Personnel Management	12	12	24	24	9	12	21	21	-	-	-	-
Social Administration	2	6	8	8	1	5	6	6	3	8	11	11
Statistics												
1st year	1	1	2	2	4	2	6	6	3	2	5	5
2nd year	-	-	-	-	-	-	-	-	-	-	-	-
Accounting and Finance												
1st year	22	11	33	34	25	9	34	34	28	6	34	35
2nd year	-	1	1	-	-	-	-	-	-	1	1	-
Business Studies												
1st year	13	8	21	21	13	11	24	25	13	14	27	28
2nd year	-	-	-	-	1	-	1	-	-	1	1	-
Criminal Justice												
1st year	-	-	-	-	-	1	1	1	3	1	4	5
2nd year	-	-	-	-	-	-	-	-	-	1	1	-
Management Sciences	5	5	10	10	4	3	7	7	1	4	5	5
Economics												
1st year	27	12	39	41	18	12	30	30	21	14	35	36
2nd year	1	1	2	-	-	-	-	-	-	1	1	-
Econometrics	2	-	2	2	1	-	1	1	2	-	2	2

**Analysis of Regular and Occasional Students, 1982-85 — continued**

REGULAR STUDENTS	SESSION 1982-83				SESSION 1983-84				SESSION 1984-85			
	STUDENT NUMBERS			Grand Total	STUDENT NUMBERS			Grand Total	STUDENT NUMBERS			Grand Total
	Men	Women	Total		Men	Women	Total		Men	Women	Total	
International and Comparative Politics												
1st year	21	10	31	34	16	18	34	37	31	14	45	46
2nd year	1	2	3		2	1	3		1	-	1	
Operational Research												
1st year	1	-	1	3	1	3	4	4	3	-	3	3
2nd year	1	1	2		-	-	-		-	-	-	
Social Psychology												
1st year	1	2	3	4	1	2	3	3	2	5	7	8
2nd year	-	1	1		-	-	-		1	-	1	
Geography	1	-	1	1	-	1	1	1	1	2	3	3
Sociology	-	-	-	-	-	-	-	-	1	-	1	1
Management of Information Systems												
2												
Research Fee												
1st year	47	16	63	70	56	17	73	80	49	28	77	86
2nd year and subsequent years	7	-	7		6	1	7		7	2	9	
<b>TOTAL ALL POSTGRADUATE STUDENTS</b>	<b>1237</b>	<b>632</b>	<b>1869</b>	<b>1869</b>	<b>1223</b>	<b>712</b>	<b>1935</b>	<b>1935</b>	<b>1296</b>	<b>741</b>	<b>2037</b>	<b>2037</b>
<b>TOTAL ALL UNDER-GRADUATE STUDENTS</b>	<b>1551</b>	<b>956</b>	<b>2507</b>	<b>2507</b>	<b>1477</b>	<b>921</b>	<b>2398</b>	<b>2398</b>	<b>1434</b>	<b>976</b>	<b>2410</b>	<b>2410</b>

**Analysis of Overseas Students in Attendance 1982-85 (By Domicile)**

COUNTRY OF DOMICILE	1982-83			1983-84			1984-85		
	Under-graduate	Graduate	Total	Under-graduate	Graduate	Total	Under-graduate	Graduate	Total
Algeria	-	10	10	-	5	5	-	2	2
Angola	-	-	-	-	1	1	-	-	-
Antigua	-	-	-	-	-	-	-	-	-
Argentina	1	6	7	-	1	1	2	-	2
Australia	2	14	16	2	22	24	1	22	23
Austria	2	3	5	1	3	4	1	2	3
Bahamas	3	-	3	3	-	3	1	-	1
Bahrain	1	1	2	-	1	1	-	2	2
Bangladesh	1	4	5	1	5	6	3	3	6
Barbados	2	-	2	1	-	1	2	2	4
Belgium	5	7	12	7	9	16	7	11	18
Belize	-	-	-	1	-	1	1	-	1
Bermuda	3	1	4	2	1	3	2	2	4
Bolivia	-	2	2	1	2	3	1	1	2
Botswana	-	1	1	-	-	-	-	-	-
Brazil	2	27	29	4	19	23	2	15	17
Brunei	-	5	5	-	1	1	-	1	1
Bulgaria	-	1	1	-	-	-	-	-	-
Burma	-	2	2	-	-	-	-	2	2
Cameroon	1	3	4	1	1	2	-	1	1
Canada	11	55	66	5	84	89	5	108	113
Cayman Islands	1	-	1	-	-	-	-	-	-
Chile	-	3	3	-	3	3	1	9	10
China	2	2	4	2	3	5	2	6	8
Colombia	4	18	22	2	17	19	2	14	16
Costa Rica	-	-	-	-	1	1	-	2	2
Cuba	-	-	-	-	-	-	-	-	-
Cyprus	52	15	67	46	9	55	43	11	54
Czechoslovakia	-	1	1	-	-	-	-	-	-
Denmark	2	3	5	3	4	7	5	3	8
Dominica	-	-	-	-	-	-	-	-	-
Dominican Republic	-	-	-	-	1	1	-	2	2
Dubai	-	2	2	-	2	2	-	5	5

Analysis of Overseas Students in Attendance 1982-85 (By Domicile) — continued

COUNTRY OF DOMICILE	1982-83			1983-84			1984-85		
	Under-graduate	Graduate	Total	Under-graduate	Graduate	Total	Under-graduate	Graduate	Total
Ecuador	-	-	-	-	1	1	-	1	1
Egypt	-	2	2	-	3	3	-	2	2
Eire	1	5	6	1	8	9	1	11	12
Ethiopia	-	3	3	-	3	3	-	2	2
Fiji	1	-	1	1	-	1	2	1	3
Finland	-	6	6	-	1	1	-	9	9
France	10	10	20	9	10	19	13	19	32
Gambia	1	-	1	-	-	-	1	1	2
Germany (West)	21	22	43	32	16	48	39	22	61
Ghana	4	9	13	1	5	6	2	5	7
Gibraltar	1	-	1	-	-	-	1	-	1
Greece	17	80	97	20	70	90	23	92	115
Grenada	-	-	-	-	-	-	-	1	1
Guatemala	-	-	-	-	-	-	-	1	1
Guyana	1	3	4	1	1	2	2	1	3
Honduras	-	-	-	-	-	-	-	2	2
Hong Kong	106	42	148	98	51	149	86	36	122
Hungary	-	-	-	-	1	1	-	1	1
Iceland	-	2	2	-	-	-	-	2	2
India	12	26	38	16	22	38	21	21	42
Indonesia	4	2	6	2	3	5	2	3	5
Iran	4	8	12	3	5	8	1	6	7
Iraq	-	2	2	-	3	3	-	1	1
Israel	5	10	15	5	8	13	4	12	16
Italy	10	34	44	12	37	49	16	49	65
Jamaica	-	2	2	-	-	-	-	2	2
Japan	7	33	40	9	33	42	9	47	56
Jordan	1	1	2	2	1	3	2	-	2
Kenya	12	6	18	10	11	21	25	10	35
Korea (Sth)	1	13	14	1	11	12	2	14	16
Korea (Nth)	-	-	-	1	-	1	1	-	1
Kuwait	4	1	5	4	-	4	2	1	3
Lebanon	5	3	8	4	3	7	3	2	5

Analysis of Overseas Students 1982-85 (By Domicile) — continued

COUNTRY OF DOMICILE	1982-83			1983-84			1984-85		
	Under-graduate	Graduate	Total	Under-graduate	Graduate	Total	Under-graduate	Graduate	Total
Libya	-	1	1	-	3	3	-	-	-
Luxembourg	2	2	4	1	1	2	1	1	2
Macao	-	-	-	-	-	-	-	1	1
Malagasy Des.	-	-	-	-	-	-	-	4	4
Malawi	-	2	2	-	4	4	-	4	4
Malaysia	69	41	110	63	31	94	44	34	78
Malta	1	-	1	1	1	2	3	1	4
Mauritius	14	4	18	12	2	14	11	3	14
Mexico	1	48	49	1	33	34	1	11	12
Mongolia (Out.)	-	-	-	-	1	1	-	-	-
Morocco	-	1	1	-	1	1	-	1	1
Namibia	-	-	-	-	1	1	-	1	1
Nepal	-	-	-	-	1	1	-	1	1
Netherlands	3	6	9	2	7	9	1	13	14
Netherlands Antilles	-	1	1	-	1	1	-	-	-
New Zealand	-	4	4	-	4	4	-	7	7
Nigeria	16	51	67	17	42	59	14	33	47
Norway	3	3	6	3	1	4	6	7	13
Pakistan	19	9	28	6	11	17	8	6	14
Panama	-	2	2	-	-	-	-	-	-
Papua New Guinea	-	-	-	-	1	1	-	1	1
Peru	1	5	6	1	4	5	-	7	7
Philippines	4	5	9	4	5	9	4	4	8
Poland	1	-	1	-	4	4	1	3	4
Portugal	10	7	17	9	4	13	5	5	10
Puerto Rico	-	1	1	-	-	-	-	1	1
Quatar	-	-	-	-	1	1	-	1	1
St. Lucia	-	1	1	-	1	1	-	1	1
Sabah	2	-	2	3	-	3	1	-	1
Samoa (Western)	-	-	-	-	-	-	1	1	2
Sarawak	-	-	-	-	1	1	-	1	1
Saudi Arabia	-	3	3	-	-	-	-	-	-
Seychelles	-	1	1	-	-	-	1	-	1
Sierra Leone	1	1	2	1	2	3	1	2	3
Singapore	29	24	53	27	25	52	31	17	48
Somali Dem. Republic	-	4	4	-	3	3	-	-	-

### Analysis of Overseas Students 1982-85 (By Domicile) — continued

COUNTRY OF DOMICILE	1982-83			1983-84			1984-85		
	Under-graduate	Graduate	Total	Under-graduate	Graduate	Total	Under-graduate	Graduate	Total
South Africa	2	10	12	2	9	11	1	8	9
Spain	9	25	34	10	23	33	12	21	33
Sri Lanka	6	7	13	6	4	10	4	4	8
Sudan	-	8	8	-	6	6	1	2	3
Surinam	-	-	-	1	1	2	1	-	1
Swaziland	-	1	1	-	1	1	-	-	-
Sweden	4	4	8	6	2	8	7	3	10
Switzerland	8	12	20	13	9	22	9	11	20
Taiwan	1	4	5	1	5	6	-	6	6
Tanzania	-	6	6	-	6	6	-	5	5
Thailand	7	7	14	8	12	20	8	9	17
Trinidad and Tobago	3	3	6	3	1	4	7	4	11
Tunisia	-	-	-	-	-	-	-	-	-
Turkey	3	5	8	2	6	8	2	6	8
Uganda	1	4	5	-	3	3	-	1	1
United Arab Emirates	1	-	1	3	-	3	2	-	2
Uruguay	-	2	2	-	2	2	-	2	2
U.S.A.	298	202	500	301	239	540	336	247	583
U.S.S.R.	-	2	2	1	3	4	1	1	2
Venezuela	-	13	13	-	10	10	-	2	2
Vietnam	-	-	-	-	-	-	-	-	-
Virgin Islands	-	-	-	-	1	1	-	-	-
Yemen	-	-	-	1	-	1	-	-	-
Yugoslavia	2	1	3	1	1	2	1	-	1
Zaire	1	-	1	-	-	-	-	2	2
Zambia	1	2	3	1	5	6	2	4	6
Zimbabwe	3	1	4	2	5	7	-	8	8
<b>GRAND TOTAL</b>	<b>849</b>	<b>1059</b>	<b>1908</b>	<b>827</b>	<b>1052</b>	<b>1879</b>	<b>867</b>	<b>1122</b>	<b>1989</b>

### Analysis of Overseas Students in Attendance at the LSE during the sessions 1982-85 (By Domicile Group)

	SESSION 1982-83			SESSION 1983-84			SESSION 1984-85		
	Under-graduate	Post-graduate	Total	Under-graduate	Post-graduate	Total	Under-graduate	Post-graduate	Total
1. THE CONTINENTS OF:									
EUROPE	167	254	421	180	224	404	197	303	500
ASIA	291	259	550	270	254	524	243	253	496
AFRICA	57	133	190	47	123	170	58	97	155
NORTH AMERICA	322	316	638	317	363	680	353	385	738
SOUTH AMERICA	9	79	88	10	61	71	13	53	66
AUSTRALASIA	3	18	21	3	27	30	3	31	34
<b>TOTAL</b>	<b>849</b>	<b>1059</b>	<b>1908</b>	<b>827</b>	<b>1052</b>	<b>1879</b>	<b>867</b>	<b>1122</b>	<b>1989</b>
2. MEMBERSHIP OF THE COMMONWEALTH	359	337	696	324	350	674	318	351	669
3. MEMBERSHIP OF THE EUROPEAN ECONOMIC COMMUNITY	71	169	240	87	162	249	95	224	319



## British Library of Political and Economic Science

The British Library of Political and Economic Science, which is the main library of the School, was founded by public subscription in 1896, a year later than the School. From the outset it was intended to serve not only as the working library of the School, but also as a national collection.

These interdependent functions have grown together: the School has given the Library wide contacts with the public and academic worlds and a standing which it could not so easily have gained as an independent institution, and the Library has in its turn assisted in attracting research workers to the School.

It is freely open to members of the School and is extensively used by other scholars and researchers. Application by non-members of the School for readers' permits must be made on a special form, which may be obtained from the Librarian.

The scope of the Library is the social sciences in the widest sense of that term. It is particularly rich in economics, in commerce and business administration, in transport, in statistics, in political science and public administration, in international law and in the economic, political, social and international aspects of history. As well as treatises and over 12,600 non-governmental periodicals (of which over 4,300 are received currently), it contains several hundred thousand controversial and other pamphlets and leaflets; rich collections of government publications from nearly all the important countries of the world, including over 14,200 serials (of which nearly 8,500 are received currently); depositary sets of the publications of the United Nations and of its specialised organisations, and of the United States Federal Government; collections which are probably unique of reports of local government authorities, of banks, and of railways; much historical material; and miscellaneous manuscript and printed collections of very varied extent and kind. The total amounts to nearly 830,000 volumes; the whole collection is estimated to contain some 2½ million separate items, and occupies about 40 kilometres of shelving. In some subjects within its field, the Library is surpassed only by smaller, highly specialised libraries, and in others it is unsurpassed; it is perhaps the largest library in the world devoted exclusively to the social sciences as a whole.

Material acquired before the end of 1979 is recorded in a full author catalogue typed on cards. More recent acquisitions are recorded in a catalogue on microfiches, which may be consulted at a number of locations throughout the library: entries are arranged in three separate sequences, viz. by author and title, alphabetically by subject-heading, and in the order of the Library of Congress classification. The subject catalogue is also published, under the title *A London Bibliography of the Social Sciences*; this is widely used not only as a key to the contents of the Library, but also as a general bibliography of the social sciences. Further particulars of this work, of which 41 volumes have so far been published, may be obtained from the Librarian. A catalogue of a more specialised interest is the *Classified Catalogue of a Collection of Works on Publishing and Bookselling in the British Library of Political and Economic Science*, available at £2.50 a copy (plus postage).

The *Teaching Collection*, situated off the entrance lobby of the Library, contains additional lending copies of the more important books used by undergraduates and graduates taking courses: its stock exceeds 30,000 volumes and there are seats for 102 readers.

The *Shaw Library* (established with the help of a gift from Mrs. George Bernard Shaw) is a lending collection of general literature; it is housed in the Founders' Room on the sixth floor of the Main Building.

A brochure *Guide to the Library* may be obtained free of charge on request from any member of the Library staff.

## Rules of the British Library of Political and Economic Science

1. The Library is open for the purpose of study and research to:
  - (i) Members of the London School of Economics and Political Science, as follows:
    - (a) Governors
    - (b) Honorary Fellows
    - (c) Staff
    - (d) Regular students
    - (e) Students accepted by the School for intercollegiate study
    - (f) Occasional students
  - (ii) Persons to whom permits have been issued
  - (iii) Day visitors admitted at the discretion of the Librarian
2. Permits may be issued to:
  - (a) Persons engaged in research which cannot be pursued elsewhere
  - (b) Professors and lecturers of any recognised university
  - (c) Persons engaged in any branch of public administration
  - (d) Undergraduates of other universities and colleges (in vacation only)
  - (e) Such other persons as may from time to time be admitted by the Librarian

Applications for Library permits must be made on the prescribed form; they should be addressed to the Librarian, and should be supported either by a member of the staff of the School, or by a letter of recommendation from a person of position. Evidence of Fellowship of the Royal Economic Society or of the Royal Statistical Society, or of membership of the London School of Economics Society or of the British Institute of International and Comparative Law, is accepted in place of a letter of recommendation.

Library permits are not transferable. They are issued upon payment of the prescribed fees, which may, however, be remitted.<sup>1</sup> All fees are non-returnable.

3. All readers are required to show their School registration cards or Library permits or visitors' tickets to Library officials upon request. Admission may be refused to anyone not in possession of such a registration card or permit.

4. The Library is normally open on all working days during hours prescribed from time to time. It is closed on Sundays and on certain other days as prescribed.<sup>2</sup>

5. Readers must not bring attaché cases, overcoats, hats, umbrellas or other impedimenta into the Library. All such articles shall be deposited in the cloakrooms of the School.

6. Readers may take the books they require for purposes of study from any of the open shelves, and may take them to any of the reading areas in the main Library.

7. Readers who have finished with books taken from the open shelves should return them without delay to the returned-book stack in the area from which they have been taken.

8. Books not on the open shelves must be applied for on the prescribed vouchers. Readers must return such books to the Book Counter when done with and claim the corresponding vouchers; they will be held responsible for all books issued to them as long as the vouchers are in the possession of the Library uncanceled. Certain categories of books and papers may be read only in such rooms and during such hours as the Librarian may prescribe.

9. Readers allocated a study room or carrel may keep in it Library materials taken from the open shelves (with the exception of certain categories as listed in the 'Guide to the Library'), providing the issue is recorded at the Loans Counter. They will be responsible for material held by them, and the items must remain accessible to the Library staff.

10. Except as provided below, no book, manuscript, or other property of the Library may be taken out of the Library. All readers as they leave the Library are required to

show to the Library janitor any books, papers, folders, newspapers etc., they may be carrying.

All material borrowed must have been recorded by Library staff for issue, and a date assigned for its return, before it is removed from the Library.

**11.** Members of the academic staff of the School may have on loan not more than 20 volumes. Loans are for a period not exceeding 75 working days, but materials may be recalled at any time.

**12.** Members of the secretarial, clerical and related staff of the School may have on loan not more than six volumes at a time. Loans are for a period of not more than 20 working days, but material may be recalled at any time.

**13.** Graduate students of the School (including graduate students accepted by the School for intercollegiate study) who are registered for research degrees may borrow books for use outside the Library, subject to the following conditions:

- (i) During the months of June, July, August and September, graduate students may borrow books only by special authorisation in each case, and on such special conditions as the Librarian shall impose, including, if required, the payment of a deposit.
- (ii) No book borrowed shall be taken out of the United Kingdom, without special permission of the Librarian.
- (iii) Graduate students may not have on loan more than six volumes at one time.
- (iv) Books in the reading rooms, unique and rare books, and other books in particular demand, will be lent only by special permission in each case.
- (v) Loans are for a period not exceeding 75 working days, but material may be recalled at any time.

**14.** Students of the School may borrow books over the weekend and at other times when the Library is closed subject to the prescribed conditions.

**15.** Where books are not returned in accordance with the prescribed conditions of loan, fines will be incurred. No person shall borrow any material from the Library if any fine or charge he has incurred has not been paid.

**16.** Readers handing in vouchers are required to supply all the necessary information in the appropriate spaces. The members of the Library staff are authorised to refuse vouchers giving insufficient detail.

**17.** A reader vacating his place will be deemed to have left the Library, and his books may be removed and the place occupied by another reader, unless he leaves on the table a note of the time of his return. In that case the place will be reserved for him from the time stated, but this reservation will lapse after fifteen minutes. The place will be available to other readers during the interim.

**18.** Ink bottles or ink-wells cannot be taken into any of the Library rooms. Fountain pens are permitted. Readers using rare or valuable works, however, may be required to work with pencil.

**19.** Eating, drinking and smoking are forbidden within the Library.\*

**20.** No reader may enter any part of the Library not open to general readers without special permission.

**21.** The tracing of maps or illustrations in books is forbidden. No book, manuscript, paper or other property of the Library may be marked by readers. Anyone who damages the property of the Library in any way will be required to pay the cost of repairing or replacing the damaged property, and may be debarred from further use of the Library.

**22.** The Library is intended solely for study and research, and may not be used for any other purpose whatsoever.

**23.** Silence should be preserved in the reading areas and on the staircases and landings.

**24.** Permission to use the Library may be withdrawn by the Director or the Librarian from any reader for breach of the rules in force at the time, or for any other cause that may appear to the Director or to Librarian to be sufficient. Any member of the School who is aggrieved by the decision of the Librarian to impose such a penalty upon him may appeal to the Chairman of the Library Committee to review the case. The Chairman

will nominate two members of the Committee to form with him a panel to review the case. In the case of an appeal by a student one of the members of the panel shall be a student member of the Committee.

\*The fees at present prescribed are £100 for a permit valid for six months, £50 for three months, or £20 for one month or less.  
†The hours of opening prescribed at present are from 10 a.m. to 5 p.m. on Saturdays, and from 9.30 a.m. to 9.20 p.m. on other days except from July to mid-September, when the Library closes at 5 p.m. The days of closing prescribed at present are: six days at Christmas, six days at Easter, New Year's Day, May Day, the Spring and Late Summer Bank Holidays, and all Saturdays in July, August and early September and in the Christmas vacation.

\*Smoking is, however, permitted in certain specially designated areas.

## University Library

Any member of the University, staff or student, may apply to use the University Library (entrance on the fourth floor of the Senate House). An internal student may register to read in the Library and borrow books, by completing an application form (obtainable at the University Library) and showing evidence of University registration, e.g. a College card. Short instructional tours of the Library are arranged for new members, particularly during the first few weeks of the session.

The University Library is a large general library of over one million volumes the main strengths being in the Humanities and Social Sciences; many of the books are loanable. Some 600 reader places are provided, in general reading rooms where there are collections of reference works and bibliographies, and in a range of subject libraries for English, History, geography and geology, British Government publications, palaeography, philosophy, psychology, romance studies, United States and Latin American studies, and music. Some 5,400 periodicals are received currently; the Periodicals Room provides a wide selection on display. The Goldsmith's Library houses the collection of early economic literature presented to the University Library by the Goldsmiths' Company in 1903. It has been added to throughout the years and now consists of about 60,000 volumes, mainly works published before 1850.

Self-service coin-operated photocopiers and a microfilm reader-printer are provided in the Library, and the Photographic Section will also supply photocopies in addition to microfilms, slides, enlargements, etc.

### Hours of Opening

#### Term and Easter Vacation

Monday to Thursday: 9.30 a.m. to 9 p.m.

(book-stack service 10 a.m. to 6.30 p.m.)

Friday: 9.30 a.m. to 6.30 p.m.

(book-stack service: 10 a.m. to 6 p.m.)

Saturday: 9.30 a.m. to 5.30 p.m.

(book-stack service: 10 a.m. to 12 noon, 2.30 p.m. to 4.30 p.m.)

#### Christmas and Summer Vacations

Monday to Friday: 9.30 a.m. to 5.30 p.m.

(book-stack service: 10 a.m. to 5 p.m.)

Saturday: 9.30 a.m. to 5.30 p.m.

(book-stack service: 10 a.m. to 12 noon, 2.30 p.m. to 4.30 p.m.)

## The Economists' Bookshop

The Economists' Bookshop, owned jointly by the School and The Economist Newspaper, was established in 1947 to provide a service to the staff, students and Library of the School and, through its mail order trade, to universities and institutions worldwide. The Bookshop's Board of Directors is composed equally of representatives of the School and of The Economist Newspaper. From small beginnings it has grown into a considerable bookselling enterprise, which numbers among its customers nearly all the universities in Great Britain as well as many universities and institutional bodies overseas. In addition to the main premises in Clare Market, with over 16,000 titles held regularly in stock including many pamphlets and a wide range of paperbacks, there is a newly designed and decorated shop selling second-hand books right next door. The Bookshop also operates a mail order centre from premises in Camden Town which supplies universities and institutional customers in the U.K. and some 80 countries overseas. The Company has now expanded its business with the acquisition of the Barbican Business Book Centre at 9 Moorfields, London EC2, and in 1984 with a small shop at the City University.

## Academic Publications of the School

From the School's foundation in October 1895, one of its objects has been to assist in the publication of research undertaken at or in connection with the School. Over the years there has been a steady and distinguished flow of papers, books and journals, some issued directly from the School and some issued for the School by selected British and American publishers.

### Journals

Three journals are edited and published from the School: *Economica* (founded in 1921), *Population Studies* (1947), and the *British Journal of Industrial Relations* (1963). *The British Journal of Sociology* (1956) is edited in the School and is published for the School by Routledge and Kegan Paul. The *Journal of Transport Economics and Policy* (1967) is published jointly with the University of Bath. *Government and Opposition* and *Millennium* (Journal of International Studies) are edited from and assisted by the School, and are published independently.

### Books, Pamphlets and Occasional Papers

Most of the learned publications issued from the School are handled by the Publications Committee. Certain series originate from departments or research groups. Experience shows that no one publisher is willing to handle the whole of the Committee's output, which has been increasing both in quantity and in the range of subjects covered. Thus the Committee's policy is to maintain connections with several academic publishers on a non-exclusive basis.

Books sponsored or initiated by the Publications Committee will normally be produced with a joint imprint of the School and the selected publisher. Any present or former member of the School's staff, or any present or former student, may submit manuscripts or ideas for books to the Publications Committee. Manuscripts may be on any subject within the range of the School's teaching and research activities. They are judged on their merits and not all those submitted are accepted for publication. Authors may sign a separate contract with the publisher, and can then expect a scale of remuneration that should compare with what they might get elsewhere. Occasionally however the School finances the publication of books, published on commission through an appropriate publisher. Such books are often commercially difficult, and it may not always be possible to give authors full commercial rates of royalty.

Anyone interested should get in touch with a member of the Publications Committee, or with the Publications Officer of the School.

In addition to many individual books the following series are issued for or by the School and its departments. In brackets are given the publishers and, where appropriate, the editors at the School.

Monographs on Social Anthropology (Athlone Press, Editor, Dr. J. C. Woodburn)

Reprints of Scarce Works on Political Economy (*Economica* Office, L.S.E.)

Greater London Papers (Greater London Group, L.S.E.)

Occasional Papers on Social Administration (Bedford Square Press, Editor, Dr. Marjorie R. Ferguson)

Discussion Papers, International Centre for Economics and Related Disciplines (I.C.E.R.D., L.S.E.)

Centre for Labour Economics Discussion Papers (Centre for Labour Economics, L.S.E.)

Geographical Papers (Geography Department, L.S.E.)

L.S.E. Handbooks in Economic Analysis (Weidenfeld and Nicholson, Editor, Mr. J. J. Thomas, L.S.E.)

Inaugural Lectures (L.S.E.)

## Student Health Service

The Student Health Service aims to provide confidential medical care for all students of the School. The Health Service provides facilities for general medical, psychiatric, gynaecological, ophthalmic and first aid treatment.

Three psychotherapists, two of whom are part-time, are available to give advice, psychotherapy and counselling for emotional problems, whether of a personal nature or related to work difficulties.

The Service has a full-time general practitioner, with whom it is possible for students to register, but who nevertheless will see any student on an emergency basis or to give advice, whether they are registered or not. Enquiries about the possibility of registration should be made through the Health Service receptionist.

A gynaecologist attends twice weekly in term time to provide contraceptive advice and counselling and advice on gynaecological problems. An ophthalmic surgeon attends weekly in term time for sight testing. Appointments to see any of the doctors mentioned above should be made with the Health Service receptionist.

The Nursing Sister is available full-time in term time, and for part of the vacations, to advise on medical problems and to provide a first aid and immunisation service. She is also available to give counselling for emotional difficulties.

There is, in addition, a full-time dental service and dental care available under the National Health Service and according to its rates. Appointments may be made with the dental surgeon or through the Health Service receptionist.

A nursery for children between the ages of 6 months and 5 is provided by the Student Health Service. There are places for 9 babies of students and staff between 6 months and 2 years and 15 children of students and staff between 2 and 5 years old. This nursery is open for 46 weeks of the year including all term time and further details are available on application to the Matron.

### STAFF

J. A. Payne, M.B., B.S., D.OBST., R.C.O.G. (LONDON): *Senior Health Service Officer and Psychiatric Adviser*

Stephen J. Nickless, M.B.B.S., M.R.C.G.P., D.A., D.R.C.O.G., D.T.M.&H.: *Health Service Officer (Physician)*

Camilla Bosanquet, B.A., M.B., B.CHIR. (CAMBRIDGE), M.R.C.S. (ENG.), L.R.C.P. (LONDON), D.C.H. (ENG.), D.P.M., F.R.C. Psych.: *Psychiatric Adviser (Part-time)*

Janet Richards, B.A., D.C.P. (TAVISTOCK): *Senior Clinical Psychologist (Part-time)*

Valerie Little, B.SC.PHYSIOL. (LONDON), M.B., B.S. (LONDON), M.R.C.S. (ENG.), L.R.C.P. (LONDON): *Special Adviser to Women Students (Part-time)*

Jean White, M.A. (CANTAB.): *Psychotherapist-Counsellor (Part-time)*

R. A. Bates, M.B., B.S., D.O.: *Ophthalmic Surgeon (Part-time)*

R. M. Dawson, B.D.S. (NEWCASTLE): *Dental Surgeon*

E. Rosemary Malbon, S.R.N., S.C.M., R.S.C.N.: *Sister-in-Charge*

Judith V. McGowan: *Receptionist/Relief Nurse*

Catherine M. Teakle, N.N.E.B.: *Nursery Matron*

Renee Tilla, N.N.E.B.: *Nursery Officer*

## Careers Advisory Service

The Careers Service at L.S.E. provides vocational guidance and assistance to students seeking information on all areas of graduate employment in the U.K. The Service is part of the University of London Careers Advisory Service (U.L.C.A.S.) and maintains a Careers Information Room with staff to help students in their job search. Those who want to discuss their approach to the future, or those who are uncertain about what they could do, can talk to one of the Careers Advisers who are available for appointments throughout the year.

With an increase in the number of job vacancies for new graduates it is still very important for students to make realistic assessments of their own capabilities, to use their imagination and initiative when establishing vocational targets and to research the background to organisations in preparation for applications and interviews.

The Service arranges careers seminars and talks usually in the Michaelmas Term, covering a wide range of topics and organises Graduate Recruitment Programmes in the Lent Term each year when many of the larger employers visit U.L.C.A.S. and the L.S.E. Careers Service, to conduct preliminary interviews with student applicants.

The possession of a degree, irrespective of subject, is only the first criterion that interests the majority of employers, although expert or specialist posts clearly demand an appropriate training.

Graduates of L.S.E. gain employment across a wide range of occupations requiring people who are well educated, broadly informed and mature in outlook. Employers recruit graduates who have developed personal as well as academic skills in extra-mural as well as academic activities. They look for people with the ability to adapt to new environments, make decisions, exercise judgement and remain flexible in outlook. The importance of basic numeracy, the ability to present information in meetings and in written reports, a working familiarity with computers and the ability to work in collaboration with others, in groups, cannot be over-emphasized.

The choice of career is wide. Graduates of the School find employment in industrial and commercial management, enter the teaching profession, go on to undertake academic research, find expert posts as economists, lawyers, statisticians, join central and local government, or enter journalism. It would be misleading to catalogue areas of employment any further because we find L.S.E. graduates in every kind of profession and organisation.

Possession of a university degree can shorten a period of professional training considerably. Possession of the LL.B. degree leads to important exemptions from the Bar and Law Society examinations. Those who have taken Accounting and Finance as their special subject in the B.Sc. (Econ.) are given exemption from the Institute of Chartered Accountants' Foundation examination. To become a specialist economist or statistician it is usually necessary to take a Master's degree. The Bachelor's degrees in Sociology and the B.Sc. in Social Science and Administration provide basic qualifications for training in social work.

With regard to the choice of specialist or optional subjects, there is one golden rule to be followed: the subjects that students choose should be those they like and are good at. The syllabuses provided at the School are generally wide and comparatively flexible and, for this reason, students who are not firmly committed to a specific course for professional reasons ought not to allow their choice of courses to be dominated by thoughts of future careers.

Those who are in doubt about which avenue to follow should consult their tutor and a careers adviser. Students may use the Careers Service any time during their courses and also after graduation.

## The Chaplaincy

The Chaplaincy is ecumenical and aims to promote the Christian faith within the School by giving support and encouragement to its Christian community and expressing its service of the whole School community in pastoral care and spiritual direction.

The School has a full-time Anglican Chaplain, The Reverend Stephen Williams: The Reverend Wesley Workman and Father David Barnes represent the Free Church and Roman Catholic University Chaplaincies. The Chaplaincy has its office in K51 and the Chaplains are available to all members of the School staff and student bodies. There is an ever increasing number of people who wish simply to talk about their own particular lives or be prepared for baptism or confirmation.

The School, not really viewed by popular opinion to be a haven of piety, is in fact producing a growing number of men and women who wish to offer themselves for training for the ministry or entry into a religious order. We already have several ordained members of staff and licenced Church workers who also take their place within the extending work of the Chaplaincy. The Chaplains work in concert with the various Religious Societies within the Students' Union and offer a weekly framework of worship and sacramental life.

The Chaplains also coordinate the arrangements for occasions when the whole School wishes to mark some special event for instance the annual Carol Service in the Shaw Library or a memorial service to honour a member of our School who has died. They also work together on regular ecumenical services throughout the year.

The work of the Chaplaincy continues to grow on both individual and group levels.

As has been said, all the Chaplains are here to be used and to provide any help they can. They can be contacted at K51, L.S.E. extension 559 or at the following:

The Reverend Stephen Williams (Anglican) 12 Woburn Square, WC1	637 1975
The Reverend Wesley Workman (Free Church) 333 Essex Road, N1	226 3737
Father David Barnes (Roman Catholic) 111 Gower Street, WC1	387 6370

## Students' Union and Athletic Union

### Students' Union

The objects of the Students' Union are to promote welfare, the interests and corporate life of the students of the School and their common interests with the general student community as such, in all matters except those relating to athletics which are the responsibility of the Athletic Union.

The Union General Meeting, held every Thursday lunch time in the Old Theatre, is the central decision-making organ of the Union. There are three student sabbatical officers (General Secretary, Senior Treasurer and Social and Services Secretary) who, via the Executive Committee, are responsible to the Union General Meeting. The Executive Committee of the Students' Union (10 members) is charged with carrying out decisions made by the Union General Meeting and each member has responsibility for a different aspect of Union affairs, for example, services, Academic affairs, External affairs, welfare, and so on. There are also more than seventy societies which cover a wide range of interests. Full details of Union meetings and elections and of the Committees and Societies are obtainable from the Students' Union Reception Office and are also widely advertised in the School.

The Union runs a coffee bar, a bar and a shop. Its main focus for administration is its offices on the second floor of the East Building.

The Union employs a number of permanent staff. There is a Welfare Officer and an Accommodation Officer. The Welfare Officer works both as an advisor e.g. on welfare rights, immigration and visa concerns, and as a counsellor on personal problems. The Accommodation Officer administers an accommodation service and deals with general welfare enquiries.

The Union also provides a number of useful services in the fields of student and social welfare, entertainment and cultural and extra-mural education. Amongst these are the socials, discos and concerts organised by the Entertainments Committee and Societies. There is a free legal advice centre run by the Law Society every Monday and Thursday lunch time during term in Room E.295. N.U.S. cards, student rail cards and general information can be obtained from the Union Information Centre, Room E.297.

There is a nursery at the School with places for children between the ages of 6 months and five. Information on nursery places can be obtained from the Welfare Officer, Room E.295. Each half-term the Union pays for a qualified teacher/youth worker to run a holiday play group for school age children within the School. Enquiries about this to the Welfare Office, Room E.295.

Since a large number of students at the L.S.E. come from overseas, the Union has a special sub-committee relating to the general welfare of overseas students. Each term the Union administers a hardship fund to help British and overseas self-financing students. Applications for assistance are treated in strictest confidence and should be made to the Welfare Officer of the Union. In addition the Welfare Officer will advise students of funds available within the L.S.E. or outside. Other special Funds are available through the Welfare Office, for students with financial hardship who wish to continue or terminate their (or their partners) pregnancy, and for disabled students who incur additional expenses due to their disability. The Welfare Office also links up reading volunteers with visually handicapped students and welcomes such offers and enquiries. A free photocopying service is available to disabled students.

The Students' Union is a member of the National Union of Students and sends delegates to the biannual conference of the N.U.S. Students at the School are also members of the University of London union and are entitled to use all its premises and its services and to participate in its activities.

Through its Publications Committee the Union publishes a *Handbook for Students*, given free to all students and also a newspaper *Beaver* which is published fortnightly during term time. The editorial boards of these publications, are open to all students.

Representatives of the Union sit on various School Committees to represent the views of the students to the School.

#### **Athletic Union**

Athletics are the responsibility of the Athletic Union which has the status of a Society within the Students' Union and is a member of the University Athletic Union and Women's Interschool Athletics Board. All students are eligible to join the Athletic Union. The subscription charged for membership of each club is £1. A.U. membership is free.

The following clubs are affiliated to the Athletic Union:

Association Football, Athletics, Badminton, Basketball, Cricket, Croquet, Cross-Country, Golf, Hockey, Judo, Karate, Mountaineering, Netball, Parachuting, Riding, Rowing, Rugby Football, Sailing, Skiing, Snooker, Squash, Table Tennis, Tennis, Yoga.

Details about club activities may be obtained from the Athletic Union Office (E.65).

There are two extensive sports grounds totalling some thirty-five acres at New Malden, to which there are frequent trains from Waterloo. There are pitches for Association and Rugby football, hockey and cricket, lawn tennis courts, and running tracks. The pavilions are well appointed and include refectories and bars, a games room and very well equipped dressing room accommodation. Facilities at the School itself include a circuit room which contains a modern poly-gym multi-station weight training unit and a gymnasium suitable for basketball, table tennis, five-a-side football etc.

The Rowing Club rows from the University Boat House, Chiswick; the Squash Club uses the School court; the Table Tennis and Judo Clubs use the School gymnasium; the Cross-Country Club runs on Hampstead Heath and in Richmond Park; the Sailing Club operates at the Welsh Harp, Hendon. The Mountaineering Club meets in England and on the Continent.

There is an annual open day at New Malden, held in June.

#### **Staff and Officers of the Students' Union and Athletic Union**

##### **STUDENT OFFICERS**

General Secretary of Students' Union—Elwyn Watkins  
Senior Treasurer of Students' Union—Richard Snell  
Social and Services Secretary of Students' Union—Simon Bexon

##### **EXECUTIVE OFFICERS**

Academic Affairs—Nigel Kilby and Matthew Greenslade  
Overseas Students—Sarah Pybus  
Women—Anthea Burton  
Societies—Jack Frost  
Press and Publicity—Iqbal Wahab  
N.U.S.—Gerald McMahon  
Welfare—Fiona Murphy and Alan Evans  
Post Graduates—Rajan Datar

##### **ATHLETIC UNION OFFICERS**

President—David Caddy  
External Vice-President—Jim McNally  
Internal Vice-President—Stephanie Walsh  
Treasurer—Wayne Dooley  
General Secretary—Saddiq Jafar  
Assistant General Secretary—John Nolan

#### **OFFICE STAFF**

Admin. Secretary—Doreen Angus  
Administrative Officer—Simon Bryceson  
Information Secretary—To be appointed  
Secretarial Assistant—To be appointed  
Finance Officer—Sam Kung  
Finance Assistant—Bob Page  
Welfare Officer—Felicity Criddle  
Accommodation Officer—Phil Wood  
Welfare Assistant—To be appointed

#### **TRADING STAFF**

Bar Manager—Simon Woolings  
Bar Assistant Manager—Peter Wetherhead  
Shop Manager—Kate Slay  
Shop Assistant Manager—Jean Stevens  
Shop Assistant—Zoë Kavanagh  
Coffee Bar Manager—Miguel Santoro  
Coffee Bar Assistant Manager—Walter Barberi  
Coffee Bar Assistant—Johnny Orr

## Residential Accommodation

The School has three Halls of Residence and two blocks of self-catering flats, together with 18 furnished flats for married postgraduate students. In addition there is a number of University of London halls of residence open to all schools and colleges including the L.S.E. The Accommodation Office of the University of London helps students to find lodgings and flats in the private sector.

Detailed information about accommodation is sent as part of the process of admitting students to the School. Applications for places in the School's Halls of Residence and flats should be made to the Assistant Registrar (Admissions) at the School, if possible by 30 April for the following October.

## School Halls of Residence and Flats

### Carr-Saunders Hall and Fitzroy and Maple Street Flats

Fitzroy Street, W1P 5AE.

(Warden: E. A. Kuska, B.A., PH.D.)

(Academic Residents (Flats): S. R. Alpern, A.B., PH.D. and A. Shaked, B.SC. M.SC. PH.D.)  
Telephone: (Hall) 580-6338 (Fitzroy St Flats) 636-2139; (Maple St Flats) 580-0126  
Carr-Saunders Hall accommodates 157 **men** and **women** students in 131 single and 13 double study bedrooms. In addition there are, two blocks of flats one block adjoining the Hall and the other across the road. They provide accommodation for 200 **men** and **women** students in double to quintuple furnished flats.

### Passfield Hall

Endsleigh Place, WC1H 0PW

(Warden: M. Perlman, B.B.A., PH.D.)

Telephone: 387-7743

Passfield Hall accommodates 198 **men** and **women** students in single, double and triple rooms.

### Rosebery Avenue Hall

Rosebery Avenue, London EC1R 4TY

(Warden: Kurt Klappholz, B.SC.ECON.)

Telephone: 278-3251

This hall accommodates 193 **men** and **women** students in 161 single and 16 double study bedrooms.

### Anson Road and Carleton Road

London N.7

(Academic Resident: Marjorie R. Ferguson, B.SC., PH.D.)

Telephone: 607-2032

The School has 18 furnished flatlets at the junction of Anson and Carleton Roads which are available for letting to married full-time students of graduate status.

### University Halls of Residence

Only full-time students of the University are eligible for admission. An application form and information may be obtained from any one of the halls (a stamped addressed envelope must be sent with the enquiry), and the completed form should be sent to the hall of first choice by the end of April for admission the following October. There are occasional vacancies in the course of the academic year.

### Canterbury Hall

Cartwright Gardens, WC1H 9EF

Telephone: 387-5526

For 222 **women** students in 214 single and four double study-bedrooms.

### College Hall

Malet Street, WC1E 7HZ

Telephone: 580-9131

220 **women** residents are accommodated in 108 single and 56 double study-bedrooms.

### Nutford House

Brown Street, off George Street, W1H 6AH

Telephone: 262-4431

Accommodation for women graduates and undergraduates in 148 single and 23 double rooms.

### William Goodenough House

(London House for Overseas Graduates)

Telephone: 278-5131

Mecklenburgh Square, WC1N 2AN

William Goodenough House accommodates 116 postgraduate **women** students from the British Commonwealth, ex-Commonwealth, the United States of America, and the E.E.C.

### Commonwealth Hall

Cartwright Gardens, WC1H 9EB

Telephone: 387-0311

For 346 **men** and 60 **women** from the United Kingdom and overseas.

### Connaught Hall of Residence

36-45 Tavistock Square, WC1H 9EX

Telephone: 387-6181

For **men**; 195 places, mainly in single rooms.

### International Hall

Brunswick Square, WC1N 1AS

Telephone: 837-0746

For 438 **men** students. Half the rooms are reserved for students from overseas. There are 10 double rooms and 418 single rooms.

### London House

Mecklenburgh Square, WC1N 2AB

Telephone: 837-8888

London House has accommodation for 315 postgraduate **men** students from the overseas countries of the Commonwealth, the United Kingdom, former member countries of the British Commonwealth and the United States of America. It is administered by London House for Overseas Graduates.

### Hughes Parry Hall

Cartwright Gardens, WC1H 9EF

Telephone: 387-1477

Hughes Parry Hall provides accommodation for 158 **men** and 120 **women** students.

There are 246 single rooms and 16 double rooms.

**Lillian Penson Hall**

Talbot Square, W2 1TT

(Warden: K. G. T. McDonnell, B.Sc.(Econ.), Ph.D.)

Telephone: 262-2081

Lillian Penson Hall is an intercollegiate hall of residence for full-time, registered, internal, postgraduate students of the University of London, both **men** and **women** and married couples without children.

**Afsil Limited**

10 Endsleigh Gardens, London WC1

Telephone: 388-7144

Afsil Limited, a Housing Trust formed by five London colleges including the School, provides a number of furnished flats and flatlets for graduate students. A fifth of Afsil accommodation is reserved for students of the School. In allocating the flats preference is given to students from the British Commonwealth. The accommodation includes study bedrooms, self-contained bedsits for singles and couples and one- to three-bedroomed flats for couples with children.

**The London School of Economics Society****HONORARY OFFICERS AND COMMITTEE, 1985***President:* Mrs. E. Morris*Deputy President:* Dr. A. Bohm*Joint Hon. Secretaries:* Mrs. M. Murdoch and Mrs. M. Najjar*Treasurer:* Mr. J. B. Selier*Assistant Treasurer:* Mr. P. Kapadia*Programme Officers:* Mrs. B. Asherson and Miss E. Worth*Committee Members:* Professor R. Chapman, Professor J. A. G. Griffith, Mrs. M. Hardiman, Mr. C. Coulson-Thomas, Mrs. K. F. Russell, Miss A. Trowles*Ex officio:**The Editor, L.S.E. Magazine:* Alumnus Office*The Economicals Sports Clubs' representative:* Mr. B. Robinson*Representatives of the L.S.E. Society on the Court of Governors:* Mr. T. Dale, Mrs. M. Najjar and Mr. J. B. Selier

Membership of the London School of Economics Society is open to all former students who have been registered at the School, and to all members and former members of the staff of the School. Persons not so qualified can be admitted for membership at the discretion of the Committee. Free annual membership for two years is available to former students provided they join within one year of leaving the School.

Members of the Society are granted certain privileges as regards use of the British Library of Political and Economic Science: subject to certain restrictions, they are entitled to permits to use the Library during vacations, in the evenings and in some cases during term. The *LSE Magazine*, published twice yearly, is issued to all members free of charge, and a variety of events are arranged throughout the year including an Annual Dinner and a Social Science Day.

The life subscription is £20.00 and the annual subscription is £5.00. Application forms and information relating to the Society can be obtained from the Honorary Secretary, c/o the Alumnus Office at the School.

**Overseas Alumnus Groups**

In addition to the London School of Economics Society there are overseas alumnus groups in a number of countries whose object is to help former students and friends of the School to keep in touch with the School and each other and to engage in local activities, including fund-raising in support of the School's 1980s Fund appeal. Some of the groups are more formally based than others and some of them levy a local subscription. All former students resident in, or visiting, these countries are welcome to contact them.

There are 'Friends of LSE' groups in Australia, Belgium, Canada, Colombia, Cyprus, Finland, France, West Germany, Greece, Hong Kong, Iceland, India, Israel, Italy, Japan, Malaysia, Mauritius, Mexico, New Zealand, Nigeria, Singapore, South Africa (Johannesburg), Spain, Sri Lanka, Sweden, Switzerland (Geneva), Thailand, USA and Venezuela. Information about these and other groups which are developing elsewhere is available from the Alumnus Office at the School.

**The American Friends of LSE**

The American Friends of LSE have established local Chapters in Atlanta, Boston, Chicago, Colorado, Connecticut, Davis/Sacramento, Downstate Illinois, Los Angeles, New York, Ohio, Philadelphia, San Francisco, Texas and Washington D.C. New Chapter are formed wherever local interest and membership warrants. All general



enquiries should be made to The American Friends of LSE, Suite 104, 1497 Chain Bridge Road, McLean, Virginia 22101. The American Friends welcome applications for financial aid towards their fees from residents of the United States who are applying for admission to a graduate programme at LSE. Enquiries specifically concerning fee awards should be made to AFLSE, Suite 203, 1302 Eighteenth Street N.W., Washington DC 20036, U.S.A.

Membership of the American group is by life or annual subscription, with a reduced rate for new alumni. Members receive the *LSE Magazine* and may use the Library in certain circumstances.

#### The Canadian Friends of LSE

The Canadian Friends of LSE, c/o Dr. A. F. Earle, C.D.I.C., P.O. Box 138, 1 First Canadian Place, Toronto, Ontario M5X 1A4, Canada, have Regional Convenors in Calgary, Edmonton, Guelph, Halifax, Kingston, Montreal, Ottawa, Regina, Vancouver and Winnipeg.

Membership is by annual subscription. Members receive the *LSE Magazine* and may use the Library in certain circumstances.

#### Friends' Amenities Fund of the LSE Society

An Association of Friends of the London School of Economics was formed in July 1957. The principal object of the Association was to raise funds to provide for the School amenities which are important to its daily life, but which it cannot afford, either because of shortages of money or because it would not be appropriate to expend public funds on their acquisition. During its existence the Association made many gifts to the School, some valuable in themselves, such as the three Persian carpets provided for the Founders' Room and others whose usefulness is far in excess of their cost, such as the furniture for the roof gardens. Later gifts included the small organ in the Founders' Room; furniture for the Common Rooms in Halls of Residence; new curtains and furniture for the platform in the Old Theatre; furniture for the Alumnus Room in the Library in the Lionel Robbins Building and a cooled drinking water fountain and seats for the courtyard there, a contribution to the refurbishing of the Vera Anstey Room and plaques identifying portraits of former Directors and eminent former teachers in the Senior Common Room. In March 1983, the Friends decided to transfer its activities to a new trust to be set up by the LSE Society and, as a parting gift, agreed to meet the cost of replacing the seating in the Founders' Room and to provide a small fund from which pictures and prints for Halls of Residence could be purchased.

The Friends Amenities Fund of the LSE Society is now continuing the aims of the old Friends. Its first gift to the School has been a contribution to the cost of acquiring for the Shaw Library a superb piano used by Dame Nellie Melba.

Anyone wishing to subscribe is invited to write to the Trustees of the Friends' Amenities Fund of the LSE Society, care of the School.

## Regulations as to Honorary Fellows

1. The Honorary Fellows Committee of the Court of Governors shall consist of the Chairman and Vice-Chairman of the Court of Governors, the Director, the Pro-Director, the Vice-Chairman of the Academic Board, and six members appointed by the Court, of whom four shall be appointed on the nomination of the Academic Board.
2. The Court of Governors may, on the recommendation of the Honorary Fellows Committee and with the concurrence of the Academic Board, elect as an Honorary Fellow of the London School of Economics and Political Science any past or present member of the School who has attained distinction in the arts, science or public life and, exceptionally, a person outside this category who has rendered outstanding services to the School and its concerns.
3. No full-time member of the staff of the School shall be elected an Honorary Fellow.
4. Elections may be made annually in the Michaelmas term. The number of persons elected shall not, save for special reasons considered adequate by the Court, exceed six.
5. Suggestions for election to Honorary Fellowships shall be invited annually by the Honorary Fellows Committee in May from:
  - (i) each member of the Court of Governors
  - (ii) each member of the Academic Board
  - (iii) each Honorary Fellow
6. Every suggestion shall be made in writing, shall be signed by the person making it and shall be received by the Secretary not later than 31 May. Unless successful or withdrawn, it shall be regarded as current for three successive years, including the year of nomination, after which it shall lapse; but a fresh suggestion of the same name can be made.
7. The file of names suggested, past and current, shall be open to inspection in confidence by those persons who are to be invited, in accordance with regulation 5, to make suggestions.
8. In each year the Honorary Fellows Committee shall, in the Michaelmas term prior to the first ordinary meeting of the Academic Board, consider the current list of names suggested, and such other names as may be proposed in the course of their deliberations; and the names of persons recommended for election shall be arranged in alphabetical order in the report of the Committee.
9. The report of the Honorary Fellows Committee shall be considered by the Academic Board at their first meeting in the Michaelmas term and shall be transmitted by the Board, with such observations as they may think fit, to the Court of Governors for consideration at their meeting held in the Michaelmas term.
10. After the report of the Honorary Fellows Committee has been considered by the Academic Board, but before its transmission to the Court, the Director shall ask those who are recommended for election to Honorary Fellowships whether they would be willing to accept election. No such enquiry shall be made by those who suggest their names.

## Part II: Regulations for Students and Courses

### Admission of Students

1. Students are classified in the following categories:

(a) Regular students — those paying a composition fee for a degree or diploma or for any other full course and students paying a research fee.

(b) Occasional students — those paying a fee for one or more separate courses of lectures.

2. No student will be admitted to any course until he has paid the requisite fees. The School reserves the right at all times to withdraw or alter particular courses and course syllabuses.

#### 3. Concurrent Study

No student is allowed to register or study concurrently for more than one examination of the University of London or of the School unless he or she has previously obtained in writing the permission of the Director of the School. Students studying for an examination of the University or of the School who wish to study at the same time for an examination held by an outside body, are required to state this fact when applying for admission to the School. Students failing to disclose this fact are liable to have their registration cancelled.

#### 4. University of London Regulations

Students of the School who are reading for degrees or diplomas of the University of London are registered by the School as Internal Students of the University. As such they are bound by the Regulations of the University. The principal provisions of the Regulations, as they most commonly affect students at the School, are described in the following sections of the *Calendar*; but it is the responsibility of students to acquaint themselves with the Regulations, which are available from the Registry (for undergraduate students), the Graduate School Office (for graduate students), or from the University Senate House.

### First Degrees

#### U.C.C.A.

All applications for admission to full-time courses leading to a first degree at the School should be made through the Universities Central Council on Admissions. The Council's address is P.O. Box 28, Cheltenham, Glos., GL50 1HY, and all completed application forms should be sent there. Students at school in Britain may obtain the application form and a copy of the U.C.C.A. handbook, which contains a list of universities and degree courses and instructions on completing the form, from their head teacher. Other students may obtain the form and handbook from the Secretary of the U.C.C.A. Completed application forms must be returned to the U.C.C.A. and not to the School. The School's code is **L LSE 44**.

The earliest date at which the U.C.C.A. will receive applications for admission in October 1986 is 1 September 1985. The closing date for the receipt of applications at the U.C.C.A. is 15 December 1985. However, all students are advised to submit their applications as soon as possible after 1 September and not to leave them until the last minute.

#### Entrance Requirements

All candidates for admission to degree courses at the School must, by the date on which they hope to be admitted, be able to satisfy: (i) The *general requirements* for admission to degree courses which are laid down by the University of London, and (ii) the *course requirement* (if any) for the particular degree they wish to follow.

Candidates may satisfy the *general requirements* by:

Either

1. passing the general Certificate of Education examination, or an approved equivalent, in the required number of subjects, namely either two at advanced level and three at ordinary level, or three at advanced level and one at ordinary level.

The ordinary level passes must be obtained at Grade A, B or C. A Grade 1 pass in a subject taken in the Certificate of Secondary Education is recognised as equivalent to an Ordinary level pass in the G.C.E. examination. Ordinary passes (Grades A-C, in examination in and after 1973) in the Scottish Certificate of Education are accepted by the University of London as equivalent to Ordinary level passes in the G.C.E. examination. The University has also recently agreed that a student who has passed five separate subjects at the Higher level in the Scottish Certificate of Education and has obtained not less than Grade B in four of these subjects will be deemed to have satisfied the General Entrance requirements of the University of London. However the School would normally expect the candidates from Scotland to offer good passes in at least two subjects either in the Certificate of Sixth Year Studies examination or under the Post Higher syllabus.

- or 2. graduating in another university approved for this purpose by the University of London;
- or 3. obtaining by examination a full practising professional qualification;
- or 4. obtaining the Diploma in Technology;
- or 5. applying under the regulations for Advanced Students by virtue of a Teacher's Certificate awarded since 1962, after a course of study lasting three academic years in a training college in England or Wales, or a three-year course of training in Northern Ireland since 1950;
- or 6. other qualifications to be considered by the Special Entrance Board of the University.

The Special Entrance Board will also consider applications from holders of the Higher National Diploma or Certificate, the Ordinary National Diploma or Certificate or the BEC National Certificate.

Full details of the entrance requirements will be found in the pamphlet *Regulations for University Entrance*, obtainable from the Secretary, University Entrance Requirements Department, Senate House, London WC1E 7HU. Intending students are advised to obtain a copy of these regulations and to check that their qualifications are appropriate for the courses they wish to follow. The Assistant Registrar will be pleased to answer particular questions relating to the requirements.

The fact that a student has satisfied the general requirement does not mean that he or she will automatically obtain a place at the School. Candidates are usually expected to have reached a standard well above the pass mark in their qualifying examinations. Some candidates may also be asked to attend for interview or to take an entrance examination.

A person under the age of eighteen years may not be admitted as a student without the Director's special permission. A candidate who wishes to enter the School before his or her eighteenth birthday may be asked to write to state his or her reasons.

Those who hold qualifications enabling them to enter a foreign university, may be considered by the Special Entrance Board of the University of London. Such students should in the first instance apply for admission to the School throughout the U.C.C.A. If the School is willing to admit them it will forward their applications to the Special Board for consideration.

Early application from students from abroad is advised. However, where there is time to do so, students who are uncertain about their qualifications should write in the first instance to the Assistant Registrar, to check that they are eligible for consideration.

Students whose mother tongue is not English will be required to give evidence of proficiency in the language.

Candidates from overseas, whether living abroad or in the United Kingdom at the time they make application, will be required, before they are accepted, to show that they have adequate financial resources to cover the cost of the three-year full-time course of study for a first degree. They will be asked to provide a guarantee that they have available a sufficient sum to cover their maintenance in London (£6950 for 1985/86) in addition to the fees. They may also be asked to produce a medical certificate.

Intending students from overseas should not set out for this country unless they have received a definite offer of a place at the School.

Besides the general requirements given above candidates must satisfy the *course requirements* for the degree they wish to take.

<i>Course and Course Requirements</i>	<i>Descrip- tion of Course Page</i>
B.Sc. Economics	204
'O' level pass in Mathematics expected	
LL.B.	265
No course requirement	
LL.B. with French Law	269
'A' level pass in French required	
LL.B. with German Law	272
'A' level pass in German required	
B.A. Geography	245
'O' level pass in Mathematics expected	
B.Sc. Degree	
'O' level pass in Mathematics expected for:	
Geography	245
Management Sciences	250
Social Policy and Administration	254
Social Psychology	255
Sociology	256
'A' level pass in a Mathematics subject expected for:	
Mathematics/Philosophy	253
Mathematics/Statistics/Computing/Actuarial Science	248
B.A. History	275
'O' level pass in a foreign language, modern or classical required	
'A' level pass in History or Economic History preferred	

### General Course

Enrolment in this category is suitable for students who wish to follow a full-time course of study at the School for one year only. The facilities are intended mainly for foreign students, and attendance does not count towards any degree awarded by London University.

1. Applications for General Course registration will be considered from undergraduates who will have completed at least two years of study in a foreign university by the time of their enrolment at the School. Highly qualified graduate students who wish to do general work in the social sciences may also apply. Graduates who wish to follow a more specialised course without preparing for a degree, should apply for Research Fee registration (see pages 191 and 280).
2. General Course enrolment enables a student to attend lectures and classes and receive tuition at the School for one academic year only.

3. The number of students admitted each year is limited.
4. (a) The Senior Tutor to General Course students has general responsibility for the arrangements for students in this category.  
(b) Every student is allocated a tutor, who will advise in the selection of courses and act throughout the session as supervisor.  
(c) The Student may attend most lecture courses and may also join up to four classes.  
(d) The student has full use of the Library without payment of any additional fee.
5. General Course students are required to take two written examinations at the end of their year at the LSE unless special exemption is granted by the Senior Tutor. A further two examinations may also be taken to make the total up to four examinations. The results of examinations taken are added to the registration certificate.  
(a) At the end of the course each student will be given, on request, a certificate of registration. This certificate lists the lectures and classes for which the student was registered, but does not include a detailed record of attendance.  
(b) A tutor's confidential report will also be made available, on request, to the student's home university.  
The School does not grade students or award credits on the American model. *Before committing themselves to attendance, students should, therefore, ensure that the facilities outlined above will satisfy the requirements of their home university.*
7. Application forms for General Course registration may be obtained from the Assistant Registrar of the School. An application fee (non-refundable) of £15 (or its equivalent in foreign currency) must be submitted at the time of application. The closing date for applications is 30 April in the year which admission is sought.

### The Pre-Law Programmes

There are two programmes: a pre-law semester (running from September to December) and a pre-law year (three terms from October to June). However for the time being students will not be admitted to the year course, and applications will only be considered for the Semester course. They draw upon the School's long tradition of teaching and studying Law in a Social Science setting and are designed to introduce students to the central issues concerning the operation of law in the modern world. The primary aim is to explore the historical, social and political context of a twentieth century legal system. The programmes are specially constructed for college students or immediate post-graduates who are interested in learning about the role of Law in society or in getting an introduction to legal techniques. They are not intended to duplicate a freshman year in Law school.

#### Pre-Law Year

Students are required to take at least seven courses made up as follows:

1. Introduction to Juristic Techniques
2. Constitutional Theory
3. Obligations I
4. British Constitution
5. Obligations II
6. and 7. *one* of the following full-year courses:
  - (a) Jurisprudence
  - (b) Soviet and Yugoslav Legal Systems
  - (c) Dispute Settlement
  - (d) Women and the Law
  - (e) Economic Analysis of Law
  - (f) Legal and Social Change
8. Sociology of the Law (optional)

**Pre-Law Semester**

Students are required to take four single courses as follows:

1. Introduction to Juristic Techniques
2. Constitutional Theory
3. *Either* (a) Sociology of Law  
or (b) Obligations I
4. *Either* (a) Sociology of Law (if not chosen under 3)  
or (b) Obligations I (if not chosen under 3)  
or (c) *One* of the following:
  - (i) Economic Analysis of Law
  - (ii) Jurisprudence
  - (iii) Dispute Settlement
  - (iv) Women and the Law

**Certification**

At the end of each programme each student will be given on request a certificate of registration. The certificate lists the lectures and classes which the student registered for but does not include a detailed record of attendance.

A leaflet about the programmes and application forms are available on request from the Assistant Registrar.

**Graduate Studies**

Information on admissions criteria and procedures for higher degrees, Diplomas and other facilities for graduate students will be found in the section "The Graduate School and Regulations for Higher Degrees and Diplomas".

**Course for Bankers**

This short course is designed for promising young bank executives in their twenties and thirties who are expected to achieve promotion to the higher levels of management. Members of the Course will spend some weeks at the London School of Economics, taking a special programme of lecture courses, banking seminars and visits to financial institutions and markets in the City of London.

The course will provide its members with the opportunity to develop a broader and deeper understanding of banking and the economic and financial environment in which it has to operate. This understanding is increasingly important for those who will move into the higher levels of management.

Participants will be awarded a Course Certificate. There is no examination.

Enquiries should be directed to: Roger Alford, Course for Bankers (Room S378), The London School of Economics, Houghton Street, London WC2A 2AE, England. Telephone 01-405 7686. Telex: 24655 BLPES G.

The course programme is normally as follows:

Courses	hours per week
Banking and Money Markets	4
Law of International Banking and Finance	3
Analysis of Financial Decisions	3
Stock Exchange Investment	2
International Financial Institutions	2

Seminars	hours per week
Domestic and International Banking	6
Other Financial Topics	3

**Group Discussion Meetings**

These meetings provide the opportunity for each participant to make a presentation of his own experience or interests in banking and finance, for discussion by the Group. 3

**Visits to Markets and Institutions****Course in Trade Union Studies**

The School offers a one-year course of study for men and women interested in the work of the trade union movement. The course, which provides a training in the social sciences with special reference to the development of trade unionism, is primarily intended for persons hoping to take up responsible work in trade union organisations, though applications for admission from other qualified students will be considered. Applicants must show that they possess the training and experience necessary to profit from the course.

Lectures are available in the main subjects of the syllabus; classes, open only to members of the course, are provided. Opportunities for written work are given and provision is made for tutorial supervision. Subject to approval, students may be admitted to other lectures given at the School which are of interest to them, and to which entry is not limited. In addition, they are full students of the School, and members of the Students' Union and as such entitled to enjoy all the facilities provided by the Union.

The course is open to full-time day students only.

The syllabus of study consists of eight subjects for which lectures and special classes are provided. The subjects are:

- (i) Economics
- (ii) Contemporary Trade Unionism and Industrial Relations
- (iii) British Economic and Social History, with special reference to the Growth of Labour Movements
- (iv) Labour Law
- (v) Political Theory and Organisation
- (vi) Elementary Statistics
- (vii) Business Organisation and Finance
- (viii) Industrial Sociology

There is a regular series of talks and discussions given or opened by prominent leaders and students of Trade Unionism. There is also a number of observation visits to firms and trade union offices.

On the completion of the course the student will receive a certificate from the School describing the major subjects undertaken during the period of study.

Application forms for admission may be obtained from the Department of Industrial Relations.

Full details of the fees payable are given in the Fees section of the *Calendar*.

Members of affiliated trade unions may be eligible for bursaries provided by the Trades Union Congress. In addition the Transport and General Workers Union, the National Graphical Association, the National Communications Union and the Confederation of Health Service Employees provide a limited number of bursaries to their members gaining admission to the course. Details of these bursaries are available from the organizations concerned.

## Occasional Students

1. Occasional students are entitled to select up to three lecture courses per term from those listed in the Sessional Timetable. They are normally required to enrol for a complete course or for a whole term; registration for single lectures is not permitted. Classes and seminars are not normally open to Occasional students. The fee for most courses is £2 per hour. Refunds of fees are not normally available.
2. Applicants for admission as Occasional students must normally be in full-time employment.
3. A person seeking admission as an Occasional student should obtain a form of application from the Assistant Registrar of the School and return it at least four weeks before the opening of the term in which he wishes to attend.
4. Applicants will be asked to state their qualifications for study at the School and the purpose for which they wish to study, and they may be invited to attend for interview before admission. In view of pressure on teaching resources and accommodation, only a limited number of Occasional students will be accepted. Candidates for external degrees of this University may not normally be registered as Occasional students.
5. If the application is accepted the student will, on payment of the fees receive a card of admission for the courses named thereon and must produce it on demand.
6. Occasional registration does not entitle a student to tutorial assistance. The teaching facilities are strictly limited to attendance at the courses for which the individual student is registered.
7. An Occasional student will be allowed full use of the Main Library but not of the Teaching Library.
8. At the end of their attendance students will, on request, be given a typed certificate listing the courses for which they have been registered, but this certificate will not include a detailed record of attendance.

## Regulations for Students

### Preamble

1. The School exists for the pursuit of learning. Its fundamental purpose can be achieved only if its members can work peacefully in conditions which permit freedom of thought and expression within a framework of respect for the rights of other persons.

The Regulations exist to maintain these conditions and protect the School from actions which would damage its academic reputation or the standing of the School and its members.

### Alterations and Additions

2. There shall be a Rules and Regulations Committee. The Committee shall consist of the Director, three Academic Governors, and three other members of the Academic Board elected annually by the Board, the President and Deputy President of the Students' Union and three other student members elected annually from among the registered full-time students in accordance with Regulation 25. The Committee may make recommendations for alterations and additions to these Regulations to the Standing Committee of the Governors and such alterations or additions shall come into effect forthwith upon publication after the approval of the Standing Committee has been given. If at any time the Standing Committee does not accept a recommendation of the Rules and Regulations Committee it shall state its reasons to that Committee in writing.
3. The Rules and Regulations Committee may also make recommendations to the Director on Rules for the conduct of School affairs, and the Director or any other person authorised by him may make and issue Rules that are not inconsistent with these Regulations after consultation with the Committee. The Director or any other person authorised by him may also, in circumstances which in the opinion of the Director or such other person constitute an emergency, issue Instructions for the duration of the emergency.

### General

4. No student of the School shall:
  - (a) Disrupt teaching, study, research or administrative work, or prevent any member of the School and its staff from carrying on his work, or do any act reasonably likely to cause such disruption or prevention;
  - (b) Damage or deface any property of the School, or do any act reasonably likely to cause such damage or defacing;
  - (c) Use the School premises contrary to Regulations and Rules, or do any act reasonably likely to cause such use;
  - (d) Engage in any conduct which is, or is reasonably likely to be, clearly detrimental to the School's purposes.

### Academic Matters

5. The Directors may at his discretion refuse to any applicant admission to a course of study at the School or continuance in a course beyond the normal period required for its completion. He may refuse to allow any student to renew his attendance at the School as from the beginning of any term, on the ground of the student's lack of ability or of industry, including failure in a degree examination or other examination relating to a course, or failure, without adequate reason, to enter for an examination after completing the normal course therefore, or for any other good academic cause.

### The Press

6. The admission to the School of representatives of the press, radio or television shall be governed by Rules made under these Regulations.

#### Public Statements

7. A student using the name or address of the School on his own behalf or on behalf of an organisation in a public statement or communication shall make clear his status as a student, and the status of any such organisation.

#### Copyright in Lectures

8. The copyright in lectures delivered in the School is vested in the lecturers, and notes taken at lectures shall be used only for purposes of private study. Lectures may not be recorded without permission of the lecturer. Any recording permitted is subject to the conditions (if any) required by the lecturer.

#### Misconduct

9. Any breach by a student of these Regulations constitutes misconduct and renders the student guilty of such a breach liable to penalties as laid down in these Regulations. Misconduct shall not be excused by the fact that the offender may have acted on behalf of, or on the instructions of, any other person or organisation.

10. If suspension from any or all of the facilities of the School has been imposed by a Summary Tribunal or by a Board of Discipline, or by the Director or under his authority under Regulation 24, and the student upon whom it has been imposed fails during the period of the suspension to comply with its terms, this failure shall itself be misconduct.

11. If a student is convicted of a criminal offence in the courts which relates to an act committed within the School or immediately affecting the School or committed in such circumstances that the continued presence of the offender within the School may be clearly detrimental to the well-being of the School, the fact of a conviction will not necessarily preclude the institution of disciplinary action by the School under these Regulations.

#### Penalties for Breaches of Regulations

12. The following penalties may be imposed for a breach by a student of any of these Regulations:

Reprimand.

A fine not exceeding £25.

Suspension from any or all of the facilities of the School for a specified period.

Expulsion from the School.

In any case where a penalty is imposed (other than a reprimand) the Director or the authority imposing the penalty may suspend its coming into force conditionally upon the good behaviour of the offender during the remainder of his membership of the School.

13. A Board of Discipline may impose any of the penalties listed in Regulation 12. A Summary Tribunal may impose any of the following penalties:

Reprimand.

A fine not exceeding £25.

Suspension from any or all of the facilities of the School for a period not exceeding six weeks.

#### Disciplinary Procedures

14. Where any member of the staff or any student of the School believes that a breach of the Regulations has been committed by a student of the School he may file a complaint against that student for misconduct. The complaint shall be filed in writing with the Secretary, who will investigate the matter.

Should the Secretary be satisfied that a *prima facie* case exists, she will refer the complaint to the Director, or to another person authorised by the Director, and the Director or such person shall decide whether the complaint shall be proceeded with, and, if so, whether before a Summary Tribunal or before a Board of Discipline. In deciding whether proceedings shall take place before a Summary Tribunal or a Board of

Discipline the Director or the person authorised by him shall have regard to the seriousness of the alleged misconduct. Where the decision is made to proceed the Director or the person authorised by him shall formulate the charge or cause it to be formulated, and convene a Summary Tribunal or Board of Discipline as the case may require.

15. Subject as hereinafter provided, the members of Summary Tribunals and Boards of Discipline shall (other than the Chairman of a Board of Discipline) be drawn from a Disciplinary Panel and a Student Disciplinary Panel:

Provided that

(a) If a person who has been selected as a member of a Tribunal or Board, and to whom not less than seventy-two hours' notice of its convening has been despatched, is absent during any part of the proceedings of the Tribunal or Board, he shall thereafter take no further part in the proceedings and his absence shall not invalidate the proceedings unless the number of those present throughout the proceedings (including the Chairman) falls below two in the case of a Summary Tribunal or four in any other case.

(b) Students against whom charges of misconduct are laid shall have the right, if they so wish, to be heard by a disciplinary body without student members provided it is otherwise properly constituted.

16. The Disciplinary Panel shall consist of ten lay Governors appointed annually by the Court of Governors and ten members of the academic staff who are appointed teachers of the University of London or recognised teachers of the University of London of at least two years' standing at the time of selection, selected annually by lot in accordance with Regulation 27:

Provided that

(a) No Governor who is a member of the Standing Committee of the Court of Governors shall be a member of the Disciplinary Panel.

(b) No member of the Rules and Regulations Committee shall be a member of the Disciplinary Panel.

17. The Student Disciplinary Panel shall consist of ten persons who are registered full-time students selected annually by lot in accordance with Regulation 26.

18. Subject to Regulation 29, appointments of Governors to and selection of academic members of the Disciplinary Panel and the selection of the Student Disciplinary Panel shall take place in the year preceding the year of office, which shall commence on 1 August in each year. Additional appointments and selections may be made during the year of office to fill casual vacancies.

19. The members of a Summary Tribunal or of a Board of Discipline (other than lay Governors, who shall be selected by the person convening a Board, and the Chairman) shall be selected from the appropriate Panels by lot. No person shall be eligible for selection as a member of a Tribunal or Board if he is himself the subject of the case intended to be referred to that Tribunal or Board, or if he is the person who has brought the complaint, or if in the opinion of the person convening the Tribunal or Board it would be unfair to the person who is the subject of the case if he were to be selected. If at the commencement of a hearing a member of a Tribunal or Board is successfully challenged by the student who is the subject of the case, or his representative, that member shall be replaced by another person selected in a like manner.

20. Subject to Regulation 15, a Summary Tribunal shall consist of two academic members of the Disciplinary Panel and one member of the Student Disciplinary Panel. The Chairman of a Summary Tribunal shall be appointed from the Disciplinary Panel by the person convening the Tribunal. The decision of a Summary Tribunal shall be by a majority. At least seventy-two hours before a Tribunal meets, the student alleged to have committed a breach of these Regulations shall be informed in writing of the date of the hearing and of the nature of the breach which he is alleged to have committed. At the hearing of the Summary Tribunal he shall be entitled to be represented by an advocate of his own choice, who may be a lawyer. He or his representative shall be

entitled to cross-examine any witness called, and to call witnesses in his defence. He shall further be entitled to give evidence and to address the Tribunal in his defence. The Summary Tribunal shall report its findings and the penalty (if any) imposed in writing to the student concerned and the Director.

21. In every case where a Summary Tribunal reports that a breach of Regulations has been committed the student concerned shall be entitled to request, within forty-eight hours of being informed of the report and of the penalty proposed to be imposed, that the decision be reviewed by an Appeals Board consisting of two members of the Disciplinary Panel who shall not be persons concerned in the original hearing, selected in the same manner as the academic members of the Summary Tribunal. The Appeals Board shall not re-hear evidence, but otherwise shall determine its own procedure. It shall report its decision in writing to the student concerned and to the Director.

22. Subject to Regulation 15, a Board of Discipline shall consist of two members of the Disciplinary Panel who are also lay Governors, two academic members of the Disciplinary Panel, two members of the Student Disciplinary Panel and a Chairman who shall be practising member of the Bar of at least seven years' standing who is not a member of the School and who shall be appointed in consultation with and subject to the agreement of the Vice-Chancellor of the University of London. The decision of a Board of Discipline shall be by a majority. At least three weeks before a Board of Discipline meets, the student alleged to have committed a breach of these Regulations shall be informed in writing of the date of the meeting and of the nature of the breach which he is alleged to have committed. At the hearing of the Board of Discipline he shall be entitled to be represented by an advocate of his own choice, who may be a lawyer. He or his representative shall be entitled to cross-examine any witness called, and to call witnesses in his defence. He shall further be entitled to give evidence and to address the Board in his defence. The Board of Discipline shall report its findings and the penalty (if any) imposed in writing to the student concerned and to the Director.

23. In every case where the Board of Discipline reports that a breach of Regulations has been committed the student concerned shall be entitled, within three weeks of being informed of the report and of the penalty proposed to be imposed, to appeal to an Appeals Committee of two members, neither of whom shall be members of the School, appointed in consultation with and subject to the agreement of the Vice-Chancellor of the University of London. The Appeals Committee shall not re-hear evidence but otherwise shall determine its own procedure and shall report in writing its decision to the student concerned and to the Director.

24. At any time when a decision to refer an alleged offence to a Board of Discipline is under consideration, or after any such reference has been made, the Director or a person under his authority may suspend the student concerned from all or any specified use of the School facilities pending the decision of the Board of Discipline.

Any order for suspension made pending a decision to refer shall lapse at the end of two weeks and shall not be renewable unless the case is, within that time, referred to a Board of Discipline. Any suspension under this Regulation will not be construed as a penalty, nor will it be reported to a grant-giving body as a penalty.

#### **Student Members of Rules and Regulations Committee**

25. The student members of the Rules and Regulations Committee shall be elected annually in the academic year preceding the year of office, which shall commence on 1 August in each year. Nomination of candidates shall be carried out in like manner to the nomination of candidates for the election of the President of the Students' Union. The election shall be by postal ballot and shall be conducted by the Secretary. The President of the Students' Union shall be entitled to nominate a student to observe the conduct of the election.

#### **Student Disciplinary Panel**

26. The annual selection of members of the Student Disciplinary Panel shall be made

by the Secretary in the academic year preceding the year of office, using a random selection process. In making this selection she shall seek the advice of an Appointed Teacher in Statistics of the University. She shall exclude from the selection students whose courses she anticipates will be completed during the year of selection. She shall notify the persons selected and shall ask them to state in writing whether they agree to serve as members of the Panel. If within fourteen days of this notification any of the persons selected has not given his consent, further selections shall be made in like manner until ten persons have been selected and have agreed to serve. Any casual vacancies that arise during the year of office may be filled by further selection in like manner from the same group of persons. The President of the Students' Union shall be entitled to appoint a student to observe the conduct of the selection.

#### **Academic Members of Disciplinary Panel**

27. The annual selection of the academic members of the Disciplinary Panel shall be made by the Secretary in the academic year preceding the year of office using a random selection process. In making this selection she shall seek the advice of an Appointed Teacher in Statistics of the University. She shall exclude from the selection persons who she anticipates will be absent from the School for any period in term time exceeding four weeks during the year of office for which the selection is made. She shall notify the persons selected and shall ask them to state in writing whether they agree to serve as members of the Panel. If within fourteen days of this notification any of the persons selected has not given this consent, the Secretary shall make further selection in like manner until ten persons have been selected and have agreed to serve. Any casual vacancies that arise during the year of office may be filled by further selection in like manner from the same group of persons.

#### **Miscellaneous**

28. These regulations shall come into force on 29 September 1969.

29. The first appointments to and selections for the Disciplinary Panel and the first selection of the Student Disciplinary Panel shall exceptionally be made and held as soon as practicable after 29 September 1969 and the members of each Panel as so constituted shall hold office until 31 July 1970.

30. Any disciplinary proceedings pending on 29 September 1969 and any appeal from any finding or penalty imposed in any disciplinary proceedings which is pending on such date shall, notwithstanding the coming into force of the Regulations, continue to be governed by and in the manner available under the Regulations for Students in force at the time when the pending proceedings or appeal were commenced.

31. Until the first Disciplinary Panel has come into existence a Summary Tribunal shall be duly constituted if its members (other than the student) consist of two members of the academic staff appointed by the person convening the Tribunal, and a Board of Discipline shall be duly constituted if its Chairman has been nominated as laid down in Regulation 22 and its other members (other than students) consist of any four persons appointed by the person convening the Board from the Board of Discipline in existence immediately before these Regulations come into force. If at any time there shall be no duly constituted Student Disciplinary Panel in existence a Summary Tribunal or a Board of Discipline shall be duly constituted if the Tribunal or Board as the case may be has no student members provided that it is otherwise properly constituted. Selection of members of a Summary Tribunal or Board of Discipline under Regulation 19 shall not be invalid only by reason of the fact that at the time of selection the number of members of the Disciplinary Panel or Student Disciplinary Panel is less than that specified in Regulation 16 or 17, as the case may be.

32. Rules and Instructions issued under these Regulations shall be deemed part of the Regulations. All Rules in force immediately before these Regulations come into force shall remain valid and shall be deemed part of these Regulations until they have been amended, altered or cancelled under the provision of Regulation 3.

33. An accidental defect in the constitution of a Summary Tribunal or Board of Discipline shall not invalidate its procedure.

34. Any actions that these Regulations require to be carried out by the Secretary may be carried out by a person acting under her authority. In the absence or incapacity of the Secretary her functions, under these Regulations may be exercised by her Deputy or by another person authorised by the Director, and references to these Regulations to the Secretary shall be read to include her Deputy or any such person.

## Rules Relating to Student Activities

### 1. Preamble

These Rules deal with the use by students for extra curricular purposes of all School premises and facilities including those made available for use by the Students' Union but excluding student residential accommodation and the School's sports grounds for which separate regulations are in force. They are intended to enable students, whether individually or in groups and societies, to have the fullest use of the School's facilities, while reserving to the School authorities such rights as are necessary to ensure that public and private safety are not endangered, that normal functions can be carried out, that the relevant laws are observed and that the buildings can be managed in an orderly and efficient way. The Students' Union is responsible for good order in those rooms in the East Building and the Clare Market Building which have been placed at the disposal of the Students' Union and for the exercise of reasonable care in the use of these premises and their furniture and equipment, although ultimate responsibility for security of all premises remains with the School.

### 2. Meetings and Functions

The Students' Union and its societies may apply to the School for permission to use the School's premises for meetings or social functions; such permission is deemed to be given automatically in respect of School premises allocated to the Students' Union. Nevertheless the School reserves the right to withhold or withdraw permission for a meeting or function and to refuse consent for any visitors to come on to any of its premises. In that event the Students' Union will be consulted in advance, if possible.

### 3. Times of Opening and Closing the School

The opening times of the School are those set out annually in the *Calendar*.

### 4. Responsibility for Visitors

Students are expected to take responsibility for the conduct of any visitors they may introduce into the School to attend meetings or for any other purpose.

### 5. Admission of the Press

(a) Representatives of the press, radio or television are admitted to and may remain on the premises of the School only with the consent of the School.

(b) Specific permission must be sought from the Secretary and obtained where such persons seek admission to meetings or events of any kind taking place in the School. Consent shall be deemed to be given in all other cases without prior application.

(c) Consent to the presence of any representative of the press, radio or television anywhere on the School's premises may be revoked by the School at any time. The School shall provide, on request, reasons for its decision.

### 6. Sale of Alcohol on School Premises

(a) Alcohol may only be sold in licensed areas, namely:

- (i) The restaurants and bars operated by the School's Central Catering Services;
- (ii) In the Three Tuns Bar, which is the Students' Union's responsibility, occasionally in the Cobden Bar, and in any other licensed premises operated by the Students' Union, provided authority has been obtained from the School.

(b) Application to sell alcohol outside normal licensing permitted hours must be made in advance to the Bursar; permission from the relevant licensing authority is also necessary.



**7. Notice Boards**

Notice boards are placed at the disposal of the Students' Union and its societies in various parts of the School. Notices placed elsewhere may be removed by School staff.

**The Law of the Land**

All activities in the School are subject to the law of the land.

**NOTE:** Implementation and general interpretation of these Rules are the responsibility, in the first instance, of the Secretary of the School.

Copies of the Administrative Notes which relate to these Rules may be consulted in the Information Office.

**Fees**

1 The fees stated are payable for the academic year 1985-86. They may not apply thereafter.

2 Students are normally expected to pay fees by the session and fees are due to be paid not later than the end of the first week of the Michaelmas term.

On application to the Academic Registrar or the Secretary of the Graduate School, permission may be given by the School for payment to be made by instalments and in that case the following arrangements will apply:

- (i) Michaelmas terms fees should be paid by the end of the first week of that term;
- (ii) the balance of the sessional fee due for the Lent and Summer terms should be paid by the end of the first week of the Lent term;
- (iii) any student who wishes to defer payment of fees for the Summer term beyond the first week of the Lent term should again apply for permission to the Academic Registrar or the Secretary of the Graduate School, who will ask for full reasons why this permission should be granted.

3 If fees are not paid when due registration will be incomplete and the student will not be entitled to use any of the School's facilities unless an extension of time to pay is allowed in writing by the School. The School reserves the right to withhold or, where appropriate, to ask the University to withhold the award of a degree or diploma to any student owing fees.

4 The fees stated are composition fees and cover registration, teaching,<sup>1</sup> first entry to examinations,<sup>2</sup> the use of the library and membership of the Students' Union. For students working under intercollegiate arrangements the fees also cover teaching and the use of student common rooms at the other colleges which they attend.

5 Separate fees are payable by students from overseas.

6 Students who withdraw in mid-course having given notice of their intention to do so may apply for a refund of an appropriate portion of fees paid.

7 Enquiries about fee accounts should be made in the first instance to the Registry or the Graduate School Office.

8 Fees should, as far as possible, be paid by cheque and remitted BY POST to the Accounts Department, Room H.402. Cheques should be made payable to the 'London School of Economics and Political Science' and should be crossed 'A/c. Payee'.

<sup>1</sup>Composition fees do not include the cost of field work or practical work required to be undertaken in vacation or term time.  
<sup>2</sup>The first entry to all examinations required by the regulations of a student's course is covered by the composition fee. Students needing information about re-entry fees for examinations should enquire at the Registry or Graduate School Office.

Full-time Students				
Session Fees	HOME AND EEC	OVERSEAS		
		in 1985	beginning in 1981, 1982, 1983 & 1984	before 1980
All first degrees General Course Trade Union Studies	£520	£3600	—	—
*M.Sc. and Diploma in Social Planning in Developing Countries		£1632	£3800	—
M.Sc. in Sea-Use Law, Economics and Policy- Making	£3800	£3800	—	—
Diploma in the Management of Information Systems	£3800	£3800	—	—
LL.M.	£1632	£3400	—	—
All other higher degrees School diplomas, University diploma and research fee	£1632	£3600	£3400	—
Part-time Students				
Sessional Fees	beginning		in	
HOME, EEC AND OVERSEAS	since 1982		1980	
First degrees (where applicable)	£130		—	
All higher degrees	£600		£480	
Research Fee	£600		£480	
Continuation Fee: Home and Overseas	£180		£180	

\*These courses were initiated with the help of funds provided by Foundations. They are now supported through sponsorship by government and other official agencies. The School is prepared to consider applications for a small number of bursaries from private candidates who are unable to afford the fees for these courses.

#### Part-time Registration for First Degrees

The School may admit each year a small number of students to follow part-time courses for a **first degree** by course units. The numbers are severely restricted and the fields of study available are few in number. This form of registration is intended for persons who are unable to obtain financial support for full-time courses or for any of the School's full-time students who may be given permission to take a year of part-time study before resuming their full-time courses. Further details are available from the Assistant Registrar (Admissions). Separate arrangements apply for part-time graduate students.

#### Research Fee

Graduate students undertaking research not leading to a degree, or undertaking studies leading to a research degree of a university other than London, will be classified as research students and may be required to pay the **research fee**.

#### Continuation Fee

The continuation fee is payable by research degree students who have completed their approved courses of study, but have been permitted to continue their registration. It entitles them to receive advice from their supervising teachers and to attend one seminar, but not to attend any lecture courses. These arrangements apply to research degree students after they have been registered at L.S.E. for the M.Phil. or Ph.D. full-time for three years or part-time for four years.

#### Fees for Occasional Students

Approved students are admitted on payment of appropriate fees, the amounts of which will be quoted on request. For general guidance it may be stated that the fee for most courses is £2 per hour. Thus, for example, the fee for a course of ten lectures of one hour each is £20.

## Financial Help Available to Applicants and Students

In general the School expects all students admitted to courses to make adequate arrangements for their maintenance and the payment of their fees, including making allowance for unavoidable increases.

The School is prepared, however, to consider applications for help from persons wishing to begin courses who lack the necessary funds to meet all their costs, and from students who fall into financial difficulties during a course. It uses funds from two sources: its own resources, and money donated in response to a major appeal launched in 1979 (the LSE 1980s Fund) when it was foreseen that high fees were going to cause problems for many students.

### Information in the following section covers these subjects:

Public Awards

Help offered by the School

Scholarships, Studentships and Prizes offered under Trust Deeds and administered by the School.

### Public Awards

#### (A) Undergraduates

The usual grant-awarding body for a student who lives in England, Wales or Northern Ireland is the Local Education Authority. Scottish students should enquire at the offices of the Scottish Education Department, Haymarket House, Clifton Terrace, Edinburgh.

#### (B) Postgraduates

The principal sources of public awards for postgraduates at the School are the Economic and Social Research Council, the Science and Engineering Research Council, the Natural Environment Research Council and the British Academy. With the exception of the ESRC Competition Award Scheme, students may not apply direct to these bodies but should enquire at the School (Scholarships Officer).

### Assessment of Need

In assessing whether a student really needs help the School authorities take into account his income and expenditure as compared with that of students in the same category i.e. home or overseas, new student or continuing etc. It is normally assumed that students from overseas require more money for their maintenance than students whose homes are in Britain. This is because of the higher cost of covering vacation expenses or travelling to and from the home country.

### Types of Help offered by the School

All awards are normally open to undergraduates and postgraduates, irrespective of fee, in any year of any course.

The main forms of help that are made available are these:

#### Scholarships

Awarded only to students of outstanding academic ability who are in financial need. An award can cover fees and there may be help with maintenance costs.

#### Loans

All loans are interest-free

— Short-term — up to £50 — repayable within a few weeks.

— Medium-term — larger sums for longer periods but usually repayable within the academic year.

— Long-term — larger sums for longer periods, normally repayable within three years of leaving the School.

#### Work Awards

Payment or reduction of fees made to students who undertake some form of work for the School in return e.g. work in the Library, statistical, environmental improvement, as available from time to time.

#### Bursaries

Grants made to help with hardship. They may be used to reduce the fees payable or form cash grants to applicants.

### Notes for Applicants

If you wish to seek help you should obtain an application form from the Registry (H.310), the Graduate School Office (H.201) or the Scholarships Officer (H.212). You should ask there and then about anything which is unclear, because there is normally someone available for this purpose.

It is most important that you should set out your case clearly, giving all the information which you think might help the School to reach a decision quickly. All information supplied will be regarded as confidential and knowing this students are asked to be full and frank in their statements. It is sensible to make sure that your Tutor or Supervisor knows of your problem, because he/she might be able to write in support of your application.

When you have completed the form please leave it with the Scholarship Officer. It will be considered by the Committee appointed by the School for this purpose. You might be invited to attend for interview though this will not normally be necessary if your application is clear, full and unambiguous.

### Decisions and Appeals

After the Committee have obtained all the possible information they require on which to determine your application they will make a recommendation for or against an award. As soon as a decision on the recommendation has been made an administrative officer will write to tell you, at your term-time address. If the decision is in your favour you will be told how the School is going to help you.

If you do not obtain the help you seek you may ask for a review, with or without submitting fresh material. You will normally be invited to attend for an interview to present your case at the review.

### Time for Decisions

The time taken for decisions to be reached on the different forms of help will vary considerably, according to the nature of the application. The following should be taken as a rough guide:

#### Form of Help

#### Time for Decision

Short-term loan

up to £50 either at once or within a few hours; for larger sums, within 14 days.

Scholarship

Long-term loan

Bursary

Work Award

within 14 days: if longer a letter will be sent to the applicant giving the reasons for the delay

**Scholarships, Studentships and Prizes offered under Trust Deeds and administered by the School**

(a) *Undergraduate Scholarships*

These Scholarships may be awarded annually on the basis of academic achievement at the School. Applications are not required and all candidates in the appropriate categories are considered.

Name	Value	Eligibility or Department where offered
Entrance Scholarships	£100	First year students: all degrees
Institute of Chartered Secretaries and Administrators	£300	B.Sc. (Econ.), B.Sc. Management Sciences and LL.B. second or third year
Lillian Knowles	£175	Best results in Part I of B.Sc. (Econ.) specialising in Economic History at Part II
Harold Laski	£175	B.Sc. (Econ.) second or third year, specialising in Government
LSE 1980s Fund Undergraduate Scholarship	Fees and maintenance	For undergraduate work in the social sciences
C. S. Mactaggart	£250	B.Sc. (Econ.) second or third year
Metcalfe	£100	B.Sc. (Econ.) second or third year women students
Norman Sosnow Travel Scholarships	£500	For travel anywhere outside the United Kingdom
School Undergraduate Scholarships	£250	LL.B. or B.Sc. course unit degrees, second or third year
Senior Scholarships	£100	Second and third year students; all degrees
Stern Scholarships in Commerce	£125	Awarded on basis of final examination, B.Sc. (Econ.) or B.Sc. by course units in Faculty of Economics for postgraduate study in a field of commercial interest
Third World Foundation Undergraduate Scholarship	Fees only	B.Sc. (Econ.) degree who wishes to specialise at Part II of the course in a subject which is likely to create a greater awareness of the

problems of the Third World. Preference to students from Third World countries

(b) *Undergraduate Prizes*

These prizes are awarded on the basis of academic performance at the School. Applications are not required.

Allyn Young	£25	Performance in certain papers of Part I B.Sc. (Econ.)
Arthur Andersen Prizes	£60; £40	Best and second best performance in the examination Accounting and Finance I, by second year B.Sc. (Econ.) students
Bassett Memorial Prizes	(i) £30	Performance in B.Sc. (Econ.) final examination, specialising in Government or Government and History, especially government of Great Britain
	(ii) £20	Performance in Trade Union Studies course
Janet Beveridge Awards	(i) £50	Third year B.Sc. in Social Science and Administration
	(ii) £50	First or second year B.Sc. in Social Science and Administration
Coopers and Lybrand Prizes	£60; £40	Best and second best performance in the examination, Accounting and Finance III
Deloitte Haskins + Sells Prizes	£60; £40	Best and second best performance in the examination, Accounting and Finance II
William Farr Prize	Silver medal	Performance in B.Sc. (Econ.) Part II examination, specialising in Statistics or Computing
Morris Finer Memorial Prize in Law	£100	Performance at Part I of LL.B.
Maurice Freedman	£50	Best dissertation for special essay paper in Social Anthropology; third year

Geoids Book Prize in Memory of S. W. Wooldridge	about £15	Student who makes a distinctive contribution to the life of the Joint School of Geography at King's College and LSE
Gonner Prize	£15	Performance in certain special subjects of B.Sc. (Econ.) degree final examination
Gourgey Prize	£7.50	Best project report submitted for Trade Union Studies course
Hobhouse Memorial Prize	£50	Performance in final examination B.Sc. Sociology or B.Sc. (Econ.) specialising in Sociology at Part II
Hughes Parry Prize	£50	Performance in subject of Law of Contract in Intermediate examination in Laws
Andre Mannu Prizes	£100 each	For essays of high quality submitted for paper 6(b) or 7 (a) in the special subject of Philosophy in the B.Sc. (Econ.) degree
Maxwell Law Prize	£75	Performance in Part I of LL.B.
Mostyn Lloyd Memorial Prize	£60	Performance in Diploma in Social Science and Administration
George and Hilda Ormsby	(i) £60	Performance in B.A./B.Sc. in Geography or B.Sc. (Econ.) specialising in Geography at Part II
	(ii) £60	Best piece of original work in Geography
Peats Prizes	£60; £40	Best and second best performance in the examination, Elements of Accounting and Finance, by first year B.Sc. (Econ.) students
Gilbert Ponsonby Memorial Prizes	£100	Performance in Part II of B.Sc. (Econ.) final examination

Premchand Prize	£125	Performance in special subject of Monetary Economics at Part II of the B.Sc. (Econ.) examination
Raynes Undergraduate Prize	£50	Best Performance in Part II of the B.Sc. (Econ.) examination
School Prize for Mathematicians	£150	Excellence in mathematical subjects in final examination of B.Sc. degree
S. W. Wooldridge Memorial Awards	—	To assist independent projects of field study by students registered in Joint School of Geography of King's College and LSE

(c) *Postgraduate Studentships*

These Studentships are normally awarded on the basis of competitive interview after admission to the School. Competition is intense.

Acworth Scholarship	£500	Graduate work in inland transport subjects
Delia Ashworth Scholarship	£275	Diploma course in Social Science and Administration
William J. Baumol Studentship		Graduate work in Economics. Preference given to students from North America
Harry G. Johnson Studentship	at least	
Abba P. Lerner Studentship	£3,000	
Sir Arthur Lewis Studentship		
Daniel Patrick Moynihan Studentship		
Edward Shils Studentship		
Montague Burton Studentships in International Relations	£800 minimum	Graduate work in International Relations. Preference given to those wishing to qualify themselves for university teaching in International Relations
<i>(from the endowment provided by the late Sir Montague Burton and with additional funds donated by his daughter and three sons)</i>		
Morris Finer Memorial Studentships	Fees and maintenance	Research in socio-legal field on certain specified topics
Graduate Studentships	Fees and some maintenance	Graduate work in the social sciences
Hatton and Medicott Awards	Interest-free loan or bursary up to £1000	Research in International History

C. K. Hobson Studentships in Economics	Fees and some maintenance	Graduate work in Economics
Hutchins Studentship for Women	£500	Research in the social sciences preferably Economic History
Rees Jeffreys Road Fund Award	Fees and maintenance	Research in the field of transport
Madge Waley Joseph Scholarship	£40	Woman student registered for one-year course in Social Science and Administration
Kahn-Freund Award	Fees and some maintenance	Graduate work in law in specified fields of interest
Jackson Lewis Scholarship	£700	Graduate work in social sciences
LSE 1980s Fund Studentship	Fees and some maintenance	Graduate work in the social sciences
Loch Exhibitions	£100	Students registered for a Diploma course in the Department of Social Science and Administration
Malinowski Memorial Studentship	£600	to assist self-financing students without access to adequate funding, with cost of writing-up after completing fieldwork
Andre Mannu Studentship	£3500 approx.	Graduate work in Philosophy, Logic and Scientific Method
Metcalf Studentship	At least £500	Woman student for research in social sciences, especially for study of a problem bearing on the welfare of women
Robert McKenzie Canadian Scholarship	\$3,000 (Canadian)	Graduate work in the Social Sciences. Applicants should have a first degree from a Canadian university

Gilbert Ponsonby Memorial Awards	Grants or loans	Postgraduate students from developing countries registered in Department of Economics
Eileen Power and Michael Postan Awards	£500	Research in Social or Economic History. Preference to candidates whose research is undertaken in some country other than the country of their usual residence. Awards may be in the form of a studentship or travel or other research expenses
Rosebery Studentship	£450	Graduate work in social sciences, preference given to those including some aspect of transport in their studies
Leonard Schapiro Graduate Studentship	£1500 minimum	Graduate work in Russian Studies
Suntory-Toyota Studentships	Fees and some maintenance	Research work in specified fields of study for which the International Centre for Economics and Related Disciplines was established
Third World Foundation Research Award	Fees only	For research which is likely to create greater awareness of the problems of the Third World. Preference given to students from Third World countries
Eileen Younghusband Memorial Fund Awards		Applications are invited for awards to support proposals which provide innovative studies and research in social work including study visits to the U.K., projects to increase capacity of institutions to provide learning opportunities for students from the Third World, and projects which enable social workers to help in disaster situations. For further information, please apply to: The Trustees of the Eileen Younghusband Memorial Fund, London School of Economics and Political Science, London, WC2A 2AE.

American Friends Scholarships	Financial aid to graduate students in the form of fee awards may also be available from the American Friends of LSE (AFLSE). Applicants must be citizens or permanent residents of the United States of America and must have applied for admission to a graduate programme at LSE. Students who are already enrolled at LSE are not eligible. Selection is based on college transcripts, two letters of recommendation, a personal statement of reasons for selecting LSE and the proposed course of study, and financial need. Completed applications must reach AFLSE by 1 March of the intended year of enrolment. Enquiries about eligibility should be sent directly to the Chairman, Scholarship Committee, American Friends of the London School of Economics, 1025 Thomas Jefferson Street, Suite 400, East Lobby, Washington D.C. 20007, USA.
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(d) *Postgraduate Prizes*

These prizes are awarded on the basis of academic achievements at the School. Applications are not required.

Bowley Prize	£60	Written work in the field of economic or social statistics completed within four years prior to 1 January 1984
Ely Devons Prizes	£60	Best student registered for M.Sc. (Economics); best student for M.Sc. (Econometrics and Mathematical Economics)
Firth Awards	£175	Best paper contributed to a seminar in Department of Anthropology by a graduate student
Gladstone Memorial Prize	£100	Student registered for Masters degree who submits best dissertation on subject connected with History, Political Science or Economics including some aspect of British Policy
Imre Lakatos Prizes	£150	For dissertations of high quality submitted in fulfilment of the examination requirement for the M.Sc. in Logic and Scientific Method

Andre Mannu Prizes	£150 each	For dissertations of high quality submitted in fulfilment of the examination requirement for the M.Sc. in Social Philosophy
Robert McKenzie Prizes	total of £1000	For outstanding performance in the M.A., M.Sc., M.Phil. or Ph.D. degrees
George and Hilda Ormsby Prize	£75	Graduate work in Geography
Robson Memorial Prize	—	To help present or recent students of the School prepare for publication as articles or books work in subject area of interest to the late Professor Robson

(e) *Awards open to both Undergraduates and Postgraduates*

Vera Anstey Memorial Award	—	Regard will normally be had to Dr. Anstey's special interest in India, Pakistan, Bangladesh and Sri Lanka
S. H. Bailey Scholarship in International Studies; and School Scholarship in International Law	£100	Awards are offered in alternate years. To enable attendance at some institute of international study; or to attend a session at the Academy of International Law at the Hague
Baxter-Edey Awards	£3000 available	Accounting and Finance: second and third year undergraduates or postgraduates
Christie Exhibition	£60 if an annual award; £120 if offered biennially	Students registered in Department of Social Science and Administration
Elphick Trust Awards	£200	For students registered in the Department of Sociology; to assist in relief of hardship
W. G. Hart Bursary Award	£800	Undergraduate or graduate work in Law

Japan Air Lines Travel Awards	Through the generosity of Japan Air Lines, air tickets are available for part or complete journeys to London. Japan Air Lines presently flies to London from Abu Dhabi, Auckland, Bangkok, Cairo, Copenhagen, Delhi, Fiji, Fukuoka, Guam, Honolulu, Kuala Lumpur, Manila, Moscow, Osaka, Paris, Pusan, Rome, Saipan, Sapporo, Seoul, Singapore, Sydney and Tokyo. A change of aircraft during the journey may be necessary. Any students who need help with their fares to come to LSE and who could join one of these routes should apply to the Scholarships Officer at the School
Robert McKenzie Scholarship	£1000 Preference given to students from Canada and to those wishing to study Sociology, particularly Political Sociology and other related fields which would have been of interest to the late Professor McKenzie
Margot Naylor Memorial Scholarship	at least £250 Women students; regard will be given to donor's request that preference be given to those intending a career in financial journalism.

#### Scholarships and Studentships awarded by the University of London

The University of London offers a number of awards for undergraduate and graduate students. All enquiries should be addressed to: the Scholarships Department, Senate House, Malet Street, London WC1E 7HU.

## First Degree Courses

### General Information

**General Note: The School prepares students for degrees of the University of London. It has no power to award its own degrees.**

**All students should read the University Regulations for Internal Studies in the relevant faculty. They may be obtained from the University or the Registry at the School.**

The School registers students for the following degrees of the University of London:

Bachelor of Science in Economics

B.Sc. Degree in the Faculty of Economics, with Main Fields in:

Geography,  
Mathematics, Statistics, Computing and Actuarial Science,  
Management Sciences,  
Mathematics and Philosophy,  
Social Policy and Administration,  
Social Anthropology,  
Social Psychology,  
Sociology

B.A. degree in the Faculty of Arts, with Main Fields in:

French Studies  
Geography  
Bachelor of Arts in History  
Bachelor of Laws

The information printed in this Calendar concerning these degrees is correct at the time of going to press, but minor modifications may be made by the beginning of the academic year.

**The School reserves the right at all times to withdraw or alter particular courses and course syllabuses.**

Students should note that for timetabling reasons, it may not be possible to make arrangements for some combinations of papers at Part II of the B.Sc. (Econ.) degree.

The approved course of study for a first degree extends over not less than three years.<sup>1</sup>

Except by special permission of the Director, students of the School who fail at any degree examination, or whose progress has been unsatisfactory, or who have completed the normal course for an examination but, without adequate reason, have failed to enter, will not be eligible for re-registration. Students who are given this special permission will not be allowed in the year of re-registration to do any work at the School other than work for that examination in which they failed. Departures from this rule will be made only in exceptional cases and subject to such conditions as the Director may require in any particular case.

### Study Guides

In the regulations which follow a Study Guide number is printed opposite each examination paper. The Study Guides are printed in detail in Part III of the Calendar with a general explanation on page 342. Students should first read the Regulations for their particular Degree, to see the rules governing their choice of examination subjects. They should then refer to the Study Guides, which in turn refer to the lecture and seminar series listed in the Sessional Timetable (published separately).

<sup>1</sup>Graduates and persons who have obtained a Teacher's Certificate awarded after a course of study extending over not less than three years may in certain circumstances be permitted to complete the course for a first degree in not less than two years. Details may be found in the General Regulations for Internal Students obtainable from the University of London, Senate House, London WC1E 7HU.



## Special Regulations for the B.Sc. (Econ.) Degree

These regulations must be read in conjunction with the General Regulations for Internal Students published by the University of London.

### 1. Conditions of Admission

In order to be admitted to the degree a candidate must

- (i) satisfy or be exempted from the general entrance requirements of the University of London
- (ii) be admitted to and follow an approved course of study at the London School of Economics and Political Science. The course of study for the degree normally extends over three consecutive academic years, but for advanced students the period may be two. A student registering under the regulations for advanced students will normally be required to pass the Part I examination before entry to the School. Exceptions to this requirement may be made at the discretion of the School in the case of well-qualified candidates
- (iii) pass the relevant Part I and II examinations.

### 2. Dates of Examination

Examinations will be held once in each year in the Summer Term, commencing on dates to be published in the School's *Calendar*. Candidates will be informed by the Academic Registrar of the School of the time and place of the examination.

### 3. Entry to Examinations

Every student entering for an examination must complete and return an entry form, to be obtained from the Academic Registrar of the School.

Students in attendance at the School are not required to pay separate examination fees. A student who for medical or other reasons approved by the School does not sit an examination while in attendance at the School may be permitted to enter for such examination on one subsequent occasion without payment of a fee, although not in attendance at the School. In all other cases students permitted to re-enter for an examination when not in attendance at the School will be required to pay the entry fees.

Details are available on enquiry at the Examinations Office.

### 4. Classification for Honours

The classification for Honours will be based primarily on the candidate's performance in Part II of the examination but the marks obtained in Part I may be taken into account.

### 5. Class List

Successful candidates at the Final examination will be awarded (1) First Class Honours, (2) Second Class Honours, or (3) Third Class Honours. The Second Class Honours List will be divided into an Upper and a Lower Division. Candidates who do not qualify for Honours may be awarded a Pass B.Sc. (Econ.) Degree; the list of such candidates will be published separately from the Honours List. The names in each class or division of the Honours List and of the Pass List will be in alphabetical order.

### 6. Notification of Results

A list of successful candidates will be published by the Academic Registrar of the University. The date of the award of the degree to successful candidates will be 1 August.

### 7. Issue of Diplomas

A diploma for the Degree of B.Sc. (Econ.) under the seal of the University, will be delivered to each successful candidate who is awarded the degree. The Diploma will state the special subject taken.

### 8. Aegrotat Provisions

A candidate who has completed his course of study as an Internal Student and who, through his illness or other cause judged sufficient by the Academic Council such as death of a near relative, (i) has been absent from the whole or part of the examinations

at the end of his Final year or (ii) though present at the whole of the examinations at the end of his Final year, considers that his performance has been adversely affected by any of the above causes, may be considered for the award of an Aegrotat or classified degree under the following Regulations.

1. An application for consideration must be made by the candidate's School on his behalf within seven days from the last day of the examination and must be accompanied by a medical certificate or other statement of the grounds on which the application is made and by records of the candidate's performance during the course and by assessments provided by the candidate's teachers.
2. If the Examiners are able to determine on the basis of examination evidence that a candidate who has been present for all papers or who has been absent from one or two papers or the equivalent of one or two papers, has reached the standard required for the award of a degree with a Pass or Honours classification they shall recommend the award of such a degree and shall not consider the candidate for the award of an Aegrotat Degree.
3. In the case of a candidate not recommended for a classified degree under paragraph 2 the Examiners, having considered the work which the candidate has submitted at the examination or in such part of the examination as he has attended, if any; records of the candidate's performance during the course; and assessments provided by the candidate's teachers; will determine whether evidence has been shown to their satisfaction that, had he completed the examination in normal circumstances the candidate would clearly have reached a standard which would have qualified him for the award of the degree. The Examiners shall not recommend the award of a class degree higher than the overall level which the candidate has achieved in the work actually presented.
4. A candidate on whose behalf an application has been made under 1 above will be informed whether the Examiners have determined that he is eligible to apply for the award of an Aegrotat Degree and that, if so, he may either:
  - (i) apply for the award of the Aegrotat Degree
  - (ii) not apply by re-enter for the same examination at a later date.
5. A candidate who under 4 above has applied for the award of an Aegrotat Degree will be informed that the degree has been conferred and will not be eligible thereafter to re-enter for the examination for the classified degree.
6. On re-entry for the classified degree, a candidate who under 4 above has been informed that he is eligible to apply for the award of an Aegrotat Degree ceases to be eligible so to apply.
7. An Aegrotat Degree will be awarded without distinction or class.
8. Holders of an Aegrotat Degree are not permitted to re-enter for the same examination, but may apply for permission to proceed to a second or higher degree on complying with the regulations for such degree.
9. **Course of Study**  
A student shall be eligible to present himself for Part I of the examination after having satisfactorily attended approved courses extending over one academic year, and Part II after having satisfactorily attended approved courses extending over two further academic years.
10. **Details of Examinations**  
The examination is divided into two Parts, and a candidate is normally required to pass Part I before he enters for his final Part II examination papers.

### 11. Part I

11.1 The examination for Part I consists of four papers to be chosen from at least three of the following groups.

Provided these requirements are satisfied, a paper in an approved foreign language may be substituted for one of the papers listed on page 207.

French, German, Russian and Spanish are at present taught at the School, but a candidate may select any other language approved by the convener of the department responsible for the candidate's intended Special Subject at Part II, provided that appropriate teaching arrangements can be made.

11.2 In addition to written papers, examiners may test any candidate by means of an oral examination.

11.3 The Board of Examiners may also at their discretion taken into consideration the assessment of a candidate's course-work.

11.4 A student may, at the discretion of the Board of Examiners, be referred in one paper which must normally be passed before the beginning of his third year of study. A student thus referred may, on re-entry, choose to be examined in a different subject from that in which he was referred provided he observes the general rule in regulation 11.1 and attends a course of study in the new subject.

11.5 Where a candidate is absent through illness from one paper of the Part I examination but his performance in the remaining papers is satisfactory, he may be permitted by the School to proceed to the Part II course but he will be required to take the examination in the outstanding paper on the next occasion of examination. If the candidate then fails the paper his case shall be governed by regulations 11.4 and 12.6.

11.6 A list of successful candidates in the Part I examination will be published and the School will officially communicate to each student the grades obtained by him in the individual papers of the examination.

11.7 As a transitional arrangement, students who have begun courses under the previous regulations for the B.Sc. (Econ.) but who have, with the School's permission, temporarily withdrawn from the School, shall be eligible on re-admission to continue under the new regulations. Such students who have completed a course of study for an examination under the previous regulations shall be eligible for re-examination under these regulations. A pass in the Part I examination under the previous regulations shall be accepted as exempting from the Part I examination under these regulations.

11.8 A student who has passed courses to the value of four course-units in appropriate subjects in a Course-unit Degree of the University of London may, with the approval of the School, be permitted to transfer to the B.Sc. (Econ.) Degree with direct entry to the course of study and examination for Part II of the Degree. The marks obtained by such a student in course examination will be treated for the purpose of classification for honours as the equivalent of marks obtained in Part I of the B.Sc. (Econ.) examination.

A student of the School who has successfully completed one year of the course for a degree other than the B.Sc. (Econ.) and who wishes to transfer, but some or all of whose subjects are judged by the School to be inappropriate, may be permitted to transfer to the second year of the B.Sc. (Econ.) on condition that in Part II he takes such papers as the School may consider appropriate to satisfy the intent of the Part I regulations.

## Part I Subjects

<i>Paper Number</i>	<i>Paper Title</i>	<i>Study Guide Number</i>
I	(a) Economics A	Ec1400
	or (b) Economics B	Ec1403
	or (c) Introduction to Mathematical Economics	Ec1408
II	(d) Elements of Accounting and Finance	Ac1000
	(a) Basic Mathematics for Economists	Ec1415
	or (b) Elementary Mathematical Methods	SM7000
	or (c) Introduction to Algebra	SM7001
III	(d) Introduction to Analysis and Set Theory	SM7002
	(a) Basic Statistics	SM7200
	or (b) Elementary Statistical Theory	SM7201
	(c) Introduction to Logic	Ph5200
	or (d) Introduction to Mathematical Logic	Ph5201
IV	(e) Introduction to Scientific Method	Ph5210
	(a) Modern Politics and Government, with special reference to Britain	Gv3010
	(b) An Introduction to Political Thought: the Greeks	Gv3000
	(c) The Language of Politics: An introduction to Political Theory	Gv3001
	(d) English Legal Institutions	LL5020
	(e) The Structure of International Society	IR3600
	(f) Public International Law	LL5131
V	(a) Modern British Society in Historical Perspective	EH1601
	or (b) The Economic History of Great Britain and the U.S.A. 1850-1939	EH1600
	(c) Political History, 1789-1941	Hy3400
	or (d) World History since 1890	Hy3403
VI	or (e) The History of European Ideas since 1700	Hy3406
	(a) Introduction to Sociology	So5800
	(b) Introduction to Individual and Social Psychology	Ps5400
	(c) Introduction to Social Anthropology	An1200
	(d) Geographical Perspectives on Modern Society	Gy1801
	(e) Introduction to Social Policy	SA5600
VII	(f) Population, Economy and Society	Pn7100
	(a) General Computing	SM7301
	or (b) Elements of Computer Science	SM7300

### Approved Foreign Language

The following languages have been approved by the School for examination in Part I:

French	German	Russian	Spanish
Ln3800	Ln3801	Ln3802	Ln3803

## 12. Part II

12.1 Part II of the examination consists of eight papers as prescribed for each special subject, at least two of which must be taught outside the department responsible for the special subject. The list of special subjects appears on page 210. In special circumstances the School may permit a candidate to substitute another approved course for one of the courses listed in the regulations for the special subject concerned.

12.2 Certain papers may be examined before the final year of the Part II course. Candidates may be permitted or required\* to take papers in advance of the final year provided that:

- (a) Each candidate shall have the right to take two papers in advance.
- (b) No candidate may be required to take more than two papers in advance.
- (c) No fewer than four papers are taken in the final year of the Part II course.

Part-time candidates may be permitted to offer advance papers in any two years prior to the final year of the Part II course.

12.3 A Pass list will be published giving the results of each examination taken at the end of the first year of the Part II course, and candidates will be credited with any Part II paper passed.

12.4 Candidates who are unsuccessful in Part II examinations taken at the end of the first year of the Part II course may, at the discretion of the School, proceed to the Second year of the Part II course and be re-examined in the paper or papers in which they have failed.

12.5 Candidates who fail the examination for the degree may offer, at any subsequent re-examination, only those papers which they took in the second year of the Part II course, including any paper or papers in which they failed at the end of the first year of the Part II course referred to in regulation 12.4 above.

12.6 A candidate who has been referred by the Board of Examiners at Part I of the examination, and has not succeeded in passing the outstanding papers at the end of the first year of the Part II course, may be permitted by the School, in exceptional circumstances, to proceed to the second year of the Part II course when he will be required to offer the outstanding paper concurrently with his remaining Part II papers. If such a candidate subsequently fails the outstanding paper from Part I but satisfies the Examiners at Part II, he or she may be recommended for the award of a degree though the Collegiate Committee of Examiners for Part II will take the failure into account when considering their recommendation for the class of Honours, if any, to be awarded to the candidate.

12.7 The Regulations provide in some cases for a course to be examined by means of an essay. Where the regulations do not so provide, the School may, in exceptional circumstances, give permission for a candidate to offer an essay in lieu of an examination paper on a prescribed course†.

12.8 The examiners may test any candidate by means of an oral examination.

12.9 Where subjects are available at both Part I and Part II of the examination, they may be examined by separate papers and will be assessed according to the standards appropriate to the relevant Part.

12.10 Where the Regulations permit essays and reports on practical work written during the course of study to count as part of the examination either in substitution for written papers or otherwise, such essays and reports should be submitted by 1 May preceding the final examination. The School may permit reports on practical work written during the course of study to be returned to candidates.

\*Candidates for special subjects VII Accounting and Finance, XI Statistics, XII Computing, XVI Geography are required to take papers at the end of the first year of the Part II course. Please see appropriate regulations.

†Where a candidate is allowed to offer work written outside the examination room, the work submitted must be his own and any quotation from the published or unpublished works of other persons must be acknowledged.

12.11 A student will not be permitted to offer as a special subject as Part II of the B.Sc. (Econ.) examination any subject which he has successfully taken as the main subject or field of another Honours degree examination.

12.12 The modern foreign languages available at Part II are French, German, Russian and Spanish, and candidates have permission to select any other language approved by the convener of the department responsible for the candidate's special subject at Part II, provided that appropriate teaching and examining arrangements can be made. No restrictions will be imposed upon a candidate who wishes to select a foreign language which is his mother tongue.

## 13. Supplementary Special Subjects

13.1 The School will consider an application for admission to a course of study and examination for a supplementary special subject from any person who has passed the B.Sc. (Econ.) examination under these Regulations.

13.2 Any student so admitted will normally be required to follow a course of study of not less than two academic years.

13.3 A supplementary special subject consists of not less than six papers, the selection of which must be approved by the School. The six papers will normally consist of the compulsory and optional papers prescribed for the special subject concerned. A candidate may be permitted by the School to be examined in up to three papers at the end of the first year of his two-year course.

13.4 A candidate offering a supplementary special subject may not offer a paper which he has previously offered and passed, unless it is a compulsory paper.

13.5 A candidate who enters and passes in a supplementary special subject shall be included on the Pass list as having satisfied the examiners in the special subject.

**List of Special Subjects for Part II**

Part II of the examination consists of eight papers as prescribed for each special subject. At least two of the eight will be on subjects taught outside the department responsible for the special subject.

The special subjects are as follows:

- I Economics, Analytical and Descriptive
- II Econometrics and Mathematical Economics
- III Monetary Economics
- IV Industry and Trade
- V International Trade and Development
- VI Economic Institutions and Planning
- VII Accounting and Finance
- VIII Economic History
- IX Government
- X Sociology
- XI Statistics
- XII Computing
- XIII International Relations
- XIV Social Anthropology
- XV International History
- XVI Environment and Planning (Geography)
- XVII Philosophy
- XVIII Government and History
- XIX Economics and Economic History
- XX Philosophy and Economics
- XXII Russian Government, History and Language
- XXIII Social Policy
- XXIV Population Studies
- XXV Industrial Relations
- XXVI Mathematics and Economics

**Special Subjects**

The papers prescribed for each special subject are as follows:

*B.Sc. (Econ.) Part II Special Subjects***I. Economics, Analytical and Descriptive**

Paper Number	Paper Title	Study Guide Number
*1.	(a) Economic Principles	Ec1425
	or (b) Principles of Economics Treated Mathematically	Ec1426
2.	(a) Problems of Applied Economics	Ec1500
	or (b) Topics in Quantitative Economics	Ec1579
3.	Advanced Economic Analysis	Ec1506
4.	Public Finance	Ec1507
5 & 6.	Two of the following	
	(a) History of Economic Thought	Ec1540
	* (b) Labour Economics	Ec1452
	* (c) Economics of Industry	Ec1451
	(d) Economics and Geography of Transport	Ec1544
	(e) International Economics	Ec1520
	(f) Principles of Monetary Economics	Ec1513
	(g) Economic Development	Ec1521
	(h) Planning	Ec1527
	(i) Economic Institutions Compared	Ec1454
†* (j)	An approved paper taught outside the Department of Economics	
	(k) Economic Analysis of Law	LL5136
	(l) The Economics of the Welfare State	Ec1543
	(m) Any other approved paper taught in the Department of Economics	
*7.	(a) Introduction to Econometrics and Economic Statistics	Ec1430
	or (b) Principles of Econometrics	Ec1561
†*8.	An approved paper taught outside the Department of Economics	

\*May be examined at the end of first year of Part II course.

†See pages 240-244.

## II. Econometrics and Mathematical Economics

Paper Number	Paper Title	Study Guide Number
*1.	Principles of Economics Treated Mathematically	Ec1426
*2.	Principles of Econometrics	Ec1561
3.	(a) Topics in Quantitative Economics	Ec1579
	or (b) Econometric Theory	Ec1575
	or (c) Mathematical Economics (only if <i>Mathematical Methods</i> is taken under (5))	Ec1570
4.	A Project of up to 10,000 words on an approved subject in Quantitative Economics	Ec1569
*5.	(a) Elementary Mathematical Methods (if not taken at Part I)	SM7000
	or (b) Mathematical Methods	SM7020
	or (c) An approved paper taught outside the Department of Economics	
*6.	(a) Elementary Statistical Theory (which must be taken if not taken at Part I)	SM7201
	or (b) Probability, Distribution Theory and Inference	SM7220
	or (c) An approved paper taught outside the Department of Economics	
7.	One of the following:	
	* (a) Introduction to Economic Policy	Ec1450
	(b) Advanced Economic Analysis	Ec1506
	(c) Public Finance	Ec1507
	(d) Monetary Systems	Ec1514
	* (e) Economic Institutions Compared	Ec1454
	* (f) Labour Economics	Ec1452
	* (g) Economics of Industry	Ec1451
	(h) Economic Development	Ec1521
	(i) Planning	Ec1527
	(j) History of Economic Thought	Ec1540
	(k) Economics and Geography of Transport	Ec1544
	(l) The Economics of the Welfare State	Ec1543
	(m) Theory of Business Decisions	Ec1453
	(n) Game Theory	SM7025
	(o) International Economics	Ec1520
	(p) Principles of Monetary Economics	Ec1513
	(q) Economic Analysis of Law	LL5136
	(r) A paper under (3) not already taken	
	(s) Any other approved paper taught in the Department of Economics	
8.	A further approved paper taught inside or outside the Department of Economics	

\*May be examined at the end of first year of Part II course.

## III. Monetary Economics

Paper Number	Paper Title	Study Guide Number
*1.	(a) Economic Principles	Ec1425
	or (b) Principles of Economics Treated Mathematically	Ec1426
*2.	Introduction to Economic Policy	Ec1450
3.	Principles of Monetary Economics	Ec1513
4.	Monetary Systems	Ec1514
5.	(a) Problems of Applied Economics	Ec1500
	or (b) Topics in Quantitative Economics	Ec1579
6.	One of the following:	
	(a) Advanced Economic Analysis	Ec1506
	(b) Public Finance	Ec1507
	(c) International Economics	Ec1520
	(d) History of Economic Thought	Ec1540
	(e) Labour Economics	Ec1452
	(f) Economics of Industry	Ec1451
	(g) Economic Development	Ec1521
	(h) Economic Institutions Compared	Ec1454
	(i) Economics and Geography of Transport	Ec1544
	(j) The Economics of the Welfare State	Ec1543
	(k) Any other approved paper taught in the Department of Economics	
*7.	(a) Introduction to Econometrics and Economic Statistics	Ec1430
	or (b) Principles of Econometrics	Ec1561
†*8.	An approved paper taught outside the Department of Economics	

\*May be examined at the end of first year of Part II course.

†See pages 240-244.

## IV. Industry and Trade

Paper Number	Paper Title	Study Guide Number
*1.	(a) Economic Principles	Ec1425
	or (b) Principles of Economics Treated Mathematically	Ec1426
2.	(a) Problems of Applied Economics	Ec1500
	or (b) Topics in Quantitative Economics	Ec1579
*3.	(a) Introduction to Econometrics and Economic Statistics	Ec1430
	or (b) Principles of Econometrics	Ec1561
4 & 5.	Two of the following:	
	*(a) Economics of Industry	Ec1451
	*(b) Theory of Business Decisions	Ec1453
	(c) Economics of Investment and Finance <sup>1</sup>	Ec1542
	(d) Selected Topics in the Economics of Industry and Trade <sup>2</sup>	Ec1541
6 & 7.	Two of the following:	
	(a) Advanced Economic Analysis	Ec1506
	(b) History of Economic Thought	Ec1540
	(c) Labour Economics	Ec1452
	(d) International Economics	Ec1520
	(e) Monetary Systems	Ec1514
	(f) Public Finance	Ec1507
	(g) Economic Development	Ec1521
	(h) A paper available under 4 and 5 if not already taken	—
	(i) Elements of Accounting and Finance	Ac1000
	(j) Economic Institutions Compared	Ec1454
	(k) Economics and Geography of Transport	Ec1544
	(l) An essay of not more than 10,000 words on an approved subject	Ec1599
	(m) Economic Analysis of Law	LL5136
	(n) Elements of Management Mathematics	SM7340
	(o) The Economics of the Welfare State	Ec1543
	(p) Any other approved paper	—
†*8.	An approved paper taught outside the Department of Economics	—

\*May be examined at the end of first year of Part II course

†See pages 240-244.

<sup>1</sup>Available to candidates who have followed the lectures and classes for 4 and 5b.  
<sup>2</sup>Available to candidates who have followed the lectures and classes for 4 and 5a.

## V. International Trade and Development

Paper Number	Paper Title	Study Guide Number
*1.	(a) Economic Principles	Ec1425
	or (b) Principles of Economics Treated Mathematically	Ec1426
2.	(a) Problems of Applied Economics	Ec1500
	or (b) Topics in Quantitative Economics	Ec1579
3.	International Economics	Ec1520
4.	Economic Development	Ec1521
*5.	A Comparative Study of Modern Economic Development in Russia, Japan and India	EH1643
*6.	(a) Introduction to Econometrics and Economic Statistics	Ec1430
	or (b) Principles of Econometrics	Ec1561
7.	One of the following:	
	(a) Economic History of England 1216-1603	EH1620
	(b) Society and Economy of Early Modern Britain	EH1626
	(c) Economic and Social History of Britain from 1815	EH1630
	(d) Economic History of the United States of America from 1783	EH1641
	(e) Latin America and the World Economy	EH1644
	(f) Public Finance	Ec1507
	(g) Economics of Industry	Ec1451
	(h) Advanced Economic Analysis	Ec1506
	(i) History of Economic Thought	Ec1540
	(j) Labour Economics	Ec1452
	(k) Planning	Ec1527
	(l) Economic Institutions Compared	Ec1454
	(m) Economics and Geography of Transport	Ec1544
	*(n) Elementary Mathematical Methods (unless taken at Part I)	SM7000
	*(o) Mathematical Methods	SM7020
	*(p) Elementary Statistical Theory (unless taken at Part I)	SM7201
	*(q) Introduction to Economic Policy	Ec1450
	(r) Economic Analysis of Law	LL5136
	(s) The Economics of the Welfare State	Ec1543
	(t) Any other approved paper	—
†*8.	An approved paper taught outside the Department of Economics.	—

\*May be examined at the end of first year of Part II course.

†See pages 240-244.

## VI. Economic Institutions and Planning

Paper Number	Paper Title	Study Guide Number
*1. (a)	Economic Principles	Ec1425
or (b)	Principles of Economics Treated Mathematically	Ec1426
*2.	Economic Institutions Compared	Ec1454
3. (a)	Problems of Applied Economics	Ec1500
or (b)	Topics in Quantitative Economics	Ec1579
4.	Planning	Ec1527
5. (a)	A Comparative Study of Modern Economic Development in Russia, Japan and India	EH1643
or †(b)	An approved paper taught in the Department of Economics	—
†6.	An approved paper taught inside or outside the Department of Economics	—
*7. (a)	Introduction to Econometrics and Economic Statistics	Ec1430
or (b)	Principles of Econometrics	Ec1561
†*8.	An approved paper taught outside the Department of Economics	—

\*May be examined at the end of first year of Part II course.

†See pages 240-244.

VII. Accounting and Finance  
For candidates entering Part II in and after October 1985

Paper Number	Paper Title	Study Guide Number
*1.	Managerial Accounting	Ac1021
2.	Financial Accounting	Ac1122
3.	Financial Decision Analysis	Ac1123
4.	Commercial Law	LL5060
*5. (a)	Economic Principles	Ec1425
or (b)	Principles of Economics Treated Mathematically	Ec1426
6. One of the following:		
(a)	Economics of Industry	Ec1451
(b)	Theory of Business Decisions	Ec1453
(c)	Monetary Systems	Ec1514
(d)	Public Finance	Ec1507
(e)	Labour Economics	Ec1452
(f)	Any other paper approved by the candidate's teachers	—
*7.	Candidates who have taken Elementary Statistical Theory or Basic Statistics must choose <i>one</i> of the following:	
(a)	Operational Research Methods	SM7345
(b)	Elements of Management Mathematics	SM7340
All other candidates must take <i>one</i> of the following:		
(c)	Elementary Statistical Theory	SM7201
(d)	Basic Statistics	SM7200
(e)	Introduction to Econometrics and Economic Statistics	Ec1430
*8. (a)	An approved paper taught outside the Department of Accounting and Finance	—
or (b)	Elements of Accounting and Finance Option 8(b) is available only to a candidate who has not taken Elements of Accounting and Finance at Part I and such a candidate is required to select it and be examined in the subject at the end of the first year of Part II.	Ac1000

\*May be examined at the end of first year of Part II course.

**VII. Accounting and Finance**  
For candidates entering Part II in or before October 1984

Paper Number	Paper Title	Study Guide Number
*1.	Accounting and Finance I	Ac1020
2.	Accounting and Finance II	Ac1120
3.	(a) Accounting and Finance III	Ac1121
or *(b)	Elements of Accounting and Finance	Ac1000
	Option (b) is available only to a candidate who has not taken Elements of Accounting and Finance at Part I and such a candidate is required to select it and be examined in the subject at the end of the first year of Part II.	
4.	Commercial Law	LL5060
*5.	(a) Economic Principles	Ec1425
or (b)	Principles of Economics Treated Mathematically	Ec1426
6.	One of the following:	
	(a) Economics of Industry	Ec1451
	(b) Theory of Business Decisions	Ec1453
	(c) Monetary Systems	Ec1514
	(d) Public Finance	Ec1507
	(e) Labour Economics	Ec1452
	(f) Any other paper approved by the candidate's teachers	—
*7.	Candidates who have taken Elementary Statistical Theory or Basic Statistics must choose one of the following:	
	(a) Operational Research Methods	SM7345
	(b) Elements of Management Mathematics	SM7340
	All other candidates must take one of the following:	
	(c) Elementary Statistical Theory	SM7201
	(d) Basic Statistics	SM7200
	(e) Introduction to Econometrics and Economic Statistics	Ec1430
†*8.	An approved paper taught outside the Department of Accounting and Finance	

\*May be examined at the end of first year of Part II course.

†See pages 240-244.

**VIII. Economic History**

Paper Number	Paper Title	Study Guide Number
*1.*2 & *3.	Three of the following	
	(a) Economic History of England, 1216-1603	EH1620
	(b) Society and Economy of Early Modern England	EH1626
	(c) Economic and Social History of Britain from 1815	EH1630
	(d) Economic History of the United States of America from 1783	EH1641
	(e) Latin America and the World Economy	EH1644
	(f) A Comparative Study of Modern Economic Development in Russia, Japan and India	EH1643
	(g) Modern British Business in Historical Perspective, 1900-1980	EH1660
	(h) Family and Community in Britain since 1830	EH1631
4 & 5.	Two of the following:	
	(a) Economic and Social History of England, 1377-1485	EH1720
	(b) The Economy and Society of London, 1600-1800	EH1726
	(c) The Development of the International Economy, 1870-1914	EH1728
	(d) The Peopling of America	EH1727
	(e) Britain and the International Economy, 1919-1964	EH1740
	(f) Life and Labour in London, 1880-1920	EH1729
6.	An essay of not more than 10,000 words on an approved subject. (This essay is to be presented not later than 1 May in the candidate's final academic year.)	EH1799
7.	One of the following:	
	(a) A paper in Economics of Statistics	
	(b) A period of British History or International History	
	* (c) Literature and Society in Britain either 1830-1900 or since 1900	Ln3840/1
	* (d) The Population History of England	Pn7121
	* (e) The Demographic Transition and the Western World Today	Pn7122
	* (f) The Development of Modern Japanese Society	So5861
	* (g) Social Theory and Social Policy 1870-1914	SA5751
	(h) A paper from 1-3 not already taken	
	(i) An approved paper taught outside the Department of Economic History	
8.	An approved paper taught outside the Department of Economic History. (This paper must be in Economics or Statistics unless a paper has been taken at Part I or under 7a.)	

\*May be examined at the end of first year of Part II course.



## IX. Government

Paper Number	Paper Title	Study Guide Number
1.	Political Thought	Gv3120
*2.	(a) Comparative Political Analysis	Gv3046
	or (b) Comparative Political Institutions	Gv3047
3.	One of the following:	
	* (a) Political Ideas in the United Kingdom	Gv3026
	* (b) Political Behaviour with Special Reference to the United Kingdom	Gv3027
	* (c) Cabinet Government and the National Policy Process	Gv3028
	* (d) History of British Politics in the Twentieth Century	Gv3021
	* (e) History of British Politics from the Seventeenth to the Twentieth Century	Gv3020
	* (f) British Constitutional Ideas since the 1880s	Gv3029
4.	(a) Political Thought (a selected text)	Gv3130-38
	or (b) Political Philosophy (not available 1985-86)	Gv3121
5,6, & 7.	Three of the following:	
	(a) One, two or three of the papers under papers 2, 3 or 4 not already chosen	
	(b) Modern Political Thought: A Study of European Political Thought since 1770 (not available 1985-86)	Gv3122
	* (c) The Politics and Government of a Foreign Country or Group of Countries; to be chosen from the following:	
	(i) France	Gv3050
	(ii) Germany	Gv3051
	(iii) USA	Gv3053
	(iv) Russia	Gv3052
	(v) Eastern Europe	Gv3055
	(vi) Scandinavia	Gv3056
	(vii) Latin America	Gv3057
	(d) A further option from (c) above	
	* (e) Public Administration	Gv3035
	* (f) Public Policy: Political and Economic Aspects	Gv3036
	* (g) An approved paper taught outside the Department of Government	
8.	An approved paper taught outside the Department of Government	

\*May be examined at the end of first year of Part II course.

## X. Sociology

Paper Number	Paper Title	Study Guide Number
*1.	Issues and Methods of Social Research	So5801
*2.	Social Theory	So5821
3,4,5 & 6.	Four of the following:	
	* (a) Methods of Statistical Analysis (This paper is compulsory for candidates who have not passed in one of the papers III(a) or III(b) of Part I, and is not available to those who have)	SM7215
	* (b) Comparative Social Structures I	So5820
	(c) Comparative Social Structures II	So5830
	(d) Contemporary Sociological Theory (not available 1985-86)	So5989
	(e) Social and Moral Philosophy	So5810
	(f) Social Philosophy	Ph5250
	(g) The Social Structure of Modern Britain	So5809
	(h) The Social Structure of the Soviet Union	So5860
	(i) The Development of Modern Japanese Society	So5861
	(j) Social Structure and Politics in Latin America (not available 1985-86)	So5862
	(k) Political Sociology (not available 1985-86)	So5880
	(l) Political Processes and Social Change	So5881
	(m) Urban Sociology	So5916
	(n) Industrial Sociology	So5917
	(o) Sociology of Religion	So5921
	(p) Industrialisation and Theories of Social Change	So5882
	(q) Criminology	So5919
	(r) Sociology of Deviance and Control	SA5734
	(s) Society and Literature	So5945
	(t) Sociology of Knowledge and Science	So5946
	(u) Sociology of Sex and Gender Roles: Women in Society	So5918
	(v) Race Relations and Ethnic Minority Groups	SA5754
	(w) Theories and Problems of Nationalism (not available 1985-86)	So5883
	(x) The Psychoanalytic Study of Society	So5960
	(y) Sociology of Medicine	So5922
	(z) An essay of more than 10,000 words on an approved topic (to be presented not later than 1 May in the candidate's third academic year)	So5831
†*7 & †*8.	Two approved papers taught outside the Department of Sociology	

\*May be examined at the end of first year of Part II course.

†See pages 240-244.

## XI. Statistics

Paper Number	Paper Title	Study Guide Number
*1.	Mathematical Methods	SM7020
*2.	Probability, Distribution Theory and Inference	SM7220
3.	Statistical Theory	SM7241
4.	Statistical Techniques and Packages	SM7240
5 & 6.	Two of the following:	
(a)	Actuarial Investigations — Statistical and Financial <sup>1</sup> (not available 1985-86)	SM7260
(b)	Actuarial Life Contingencies	SM7261
(c)	Statistical Demography	Pn7126
(d)	Econometric Theory	Ec1575
* <i>(e)</i>	Elements of Computer Science (if not taken at Part I)	SM7300
<i>(f)</i>	Numerical and Symbolic Computing	SM7331
<i>(g)</i>	Operation Research Methods <sup>2</sup>	SM7345
<i>(h)</i>	Model Building In Operational Research	SM7347
<i>(i)</i>	Game Theory	SM7025
* <i>(j)</i>	Introduction to Analysis and Set Theory (if not taken at Part I)	SM7002
<i>(k)</i>	Further Analysis	SM7030
<i>(l)</i>	Topology and Convexity	SM7021
<i>(m)</i>	Computing Methods	SM7320
<i>(n)</i>	Decision Analysis <sup>3</sup>	SM7216
†*7 & †*8.	Two approved papers taught outside the Department of Statistical and Mathematical Sciences.	

\*May be examined at the end of first year of Part II course.

†See pages 240-244.

<sup>1</sup>Candidates are required to be familiar with the use of calculating machines and to use them at the examination of this paper.

<sup>2</sup>Normally taken in the first part of Part II by candidates who wish to take Model Building in Operational Research in the final year.

<sup>3</sup>Prerequisites for this course are Elementary Mathematical Methods and Elementary Statistical Methods.

## XII. Computing

Paper Number	Paper Title	Study Guide Number
*1.	Computing Methods	SM7320
2.	Systems Analysis and Design	SM7322
3.	Application of Computers	SM7321
4, 5 & 6.	Three of the following:	
(a)	Numerical and Symbolic Computing	SM7331
(b)	Operational Research Methods <sup>1</sup>	SM7345
(c)	Model Building in Operational Research	SM7347
(d)	Statistical Techniques for Management Sciences	SM7230
(e)	Elements of Accounting and Finance	Ac1000
(f)	Theory of Business Decisions	Ec1453
(g)	Economics of Industry	Ec1451
(h)	Economic Principles	Ec1425
* <i>(i)</i>	Elementary Statistical Theory (if not taken at Part I)	SM7201
* <i>(j)</i>	Elementary Mathematical Methods (if not taken at Part I)	SM7000
<i>(k)</i>	Probability, Distribution Theory and Inference	SM7220
<i>(l)</i>	Mathematical Methods	SM7020
<i>(m)</i>	Statistical Theory (not to be taken with 4(d))	SM7241
<i>(n)</i>	Statistical Techniques and Packages (not to be taken with 4(d))	SM7240
<i>(o)</i>	Statistical Demography	Pn7126
<i>(p)</i>	Econometric Theory	Ec1575
<i>(q)</i>	Decision Analysis <sup>2</sup>	SM7216
<i>(r)</i>	An approved Mathematics Paper	
†*7 & †*8.	Two approved papers taught outside the Department of Statistical and Mathematical Studies.	

\*May be examined at the end of first year of Part II course.

†See pages 240-244.

<sup>1</sup>Normally taken in the first year of Part II by candidates who wish to take Model Building in Operational Research in the final year.

<sup>2</sup>Prerequisites for this course are Elementary Mathematical Methods and Elementary Statistical Theory.

## XIII. International Relations

Paper Number	Paper Title	Study Guide Number
1.	International History since 1914	Hy3506
2.	International Politics	IR3700
3.	Foreign Policy Analysis	IR3702
*4.	International Institutions	IR3703
5 & 6.	Two of the following save that all candidates who have not taken Public International Law at Part I and are not taking it under papers 7 & 8 must choose option (a):	
* (a)	Public International Law (unless taken at Part I or under papers 7 & 8)	LL5131
(b)	The International Legal Order	IR3750
(c)	The Ethics of War	IR3755
(d)	The Politics of International Economic Relations	IR3752
(e)	Strategic Aspects of International Relations	IR3754
(f)	International History (Special Period) chosen from the following:	
* (i)	Fascism and National Socialism in International Politics, 1919-1945	Hy3538
(ii)	Great Britain and the Peace Conference of 1919 (not available 1985-86)	Hy3559
(iii)	The Manchurian Crisis, 1931-1933	Hy3562
(iv)	The League of Nations in Decline, March 1933-December 1937	Hy3565
* (g)	Theories and Problems of Nationalism (not available 1985-86)	So5883
(h)	Problems of Foreign Policy (not available 1985-86)	IR3704
(i)	European Institutions	IR3771
(j)	Any other subject approved by the candidate's teachers within the field of International Relations	
*7 & 8.	Two approved papers taught outside the Department of International Relations	
	As an alternative to any one of papers 5, 6, 7 and 8, and always provided that the Public International Law requirement stipulated above is being fulfilled, a candidate may submit an essay of not more than 10,000 words to be written during the course of study on a subject to be approved by the candidate's Tutor and by the department teaching the subject concerned.	IR3799

\*May be examined at the end of first year of Part II course.

## XIV. Social Anthropology

Paper Number	Paper Title	Study Guide Number
*1.	Kinship, Sex and Gender	An1220
*2.	Political and Economic Anthropology	An1222
3.	The Anthropology of Religion	An1302
4.	Advanced Theory of Social Anthropology	An1300
5.	Topics in Social Anthropology	An1334
*6.	One of the following:	
(a)	Economic Principles	Ec1425
(b)	General Economics	Ec1420
(c)	Sociological Theory	So5821
(d)	Demographic Description and Analysis	Pn7120
(e)	Introduction to Logic (unless taken at Part I)	Ph5200
(f)	Introduction to Scientific Method (unless taken at Part I)	Ph5210
(g)	An approved paper in Psychology	—
(h)	Third World Demography	Pn7123
7 & 8.	Two of the following:	
(a)	Social Aspects of Political and Economic Development (not available 1985-86)	An1330
(b)	An essay of not more than 10,000 words to be written during the course of study on an approved subject	An1397
(c)	Further Topics in Social Anthropology	An1335
(d)	Either one or two approved papers taught outside the Department of Anthropology	

\*May be examined at the end of first year of Part II course.

## XV. International History

Paper Number	Paper Title	Study Guide Number
*1.	International History, 1494–1815	Hy3500
*2.	International History, 1815–1914	Hy3503
3.	International History since 1914	Hy3506
4.	One of the following:	
	(a) The Habsburg Monarchy and the Revolutions of 1848	Hy3550
	(b) The Great Powers and the Balkans, 1908–1914	Hy3556
	(c) Great Britain and the Peace Conference of 1919 (not available 1985–86)	Hy3559
	(d) The Manchurian Crisis, 1931–1933	Hy3562
	(e) The League of Nations in Decline, March 1933–December 1937	Hy3565
5,6 & 7.	Three of the following, not more than one from any one group	
I	(a) War and Society, 1600–1815	Hy3520
II	(b) Revolution, Civil War and Intervention in the Iberian Peninsula, 1808–1854	Hy3523
	(b) British-American-Russian Relations, 1815–1914	Hy3526
III	* (a) Fascism and National Socialism in International Politics, 1919–1945	Hy3538
	* (b) International Economic Diplomacy in the Inter-war Period	Hy3539
	(c) The Reshaping of Europe, 1943–1957	Hy3540
IV	* (a) English History, 1399–1603	Hy3423
	* (b) British History, 1603–1760	Hy3429
	* (c) British History, 1760–1914	Hy3432
	* (d) The History of British Politics in the Twentieth Century	Gv3021
	* (e) The History of Russia, 1682–1917	Hy3545
	* (f) Society and Economy of Early Modern England	EH1626
	* (g) Economic and Social History of Britain from 1815	EH1630
	* (h) Economic History of the United States of America from 1783	EH1641
	* (i) Latin America and the World Economy	EH1644
	* (j) A Comparative Study of Modern Economic Development in Russia, Japan and India	EH1643
8.	An approved paper taught outside the Department of History.	

\*May be examined at the end of first year of Part II course.

## XVI. Environment and Planning (Geography)

Paper Number	Paper Title	Study Guide Number
*1.	Man and His Physical Environment	Gy1808
*2.	(a) The Location of Economic Activity	Gy1824
	or (b) Social Geography: Spatial Change and Social Process	Gy1821
*3.	Urban and Regional Planning	Gy1926
4.	Resource and Environmental Management	Gy1943
5 & 6.	Two of the following:	
	* (a) The Location of Economic Activity (if not taken under 2)	Gy1824
	* (b) Social Geography: Spatial Change and Social Process (if not taken under 2)	Gy1821
	(c) Spatial Aspects of Economic Development	Gy1920
	(d) Urban Change and Regional Development	Gy1935
	(e) Transport: Environment and Planning	Gy1942
	(f) Geography of Rural Development	Gy1922
	(g) Another approved paper in the field of Environment and Planning	
*7 & *8.	Two of the following:	
	(a) (i) Economic Principles	Ec1425
	or (ii) General Economics	Ec1420
	(b) Another approved paper in Economics	
	(c) An approved paper in Economic History	
	(d) Public Policy: Political and Economic Aspects	Gv3036
	(e) Public Administration	Gv3035
	(f) The Social Structure of Modern Britain	So5809
	(g) A further approved paper taught outside the Department of Geography	

\*May be examined at the end of first year of Part II course.

**XVII. Philosophy**  
For candidates entering Part II in or after October 1985

Paper Number	Paper Title	Study Guide Number
*1.	Scientific Method	Ph5230
2.	History of Modern Philosophy, Bacon to Kant	Ph5300
3.	(a) Logic (if Introduction to Mathematical Logic not already taken)	Ph5220
	or (b) Mathematical Logic	Ph5221
	4. Epistemology and Metaphysics	Ph5310
*5.	(a) Social Philosophy	Ph5250
	or (b) Theories of Probability	Ph5223
6.	* (a) The Rise of Modern Science, Copernicus to Newton	Ph5240
	or (b) An essay written during the course of study	Ph5398
	or (c) An essay written under examination conditions	Ph5399
7.	One of the following:	
	(a) An essay written during the course of study (unless taken under 6)	Ph5398
	(b) An essay written under examination conditions (unless taken under 6)	Ph5399
	(c) Political Philosophy	Gv3121
	* (d) Introduction to Social Anthropology	An1200
	(e) An approved economics paper	—
	(f) The History of European Ideas since 1700	Hy3406
	(g) An approved Modern foreign language	—
	* (h) Elementary Linguistics	Ln3810
	* (i) Introduction to Individual and Social Psychology	Ps5400
	* (j) An approved mathematics paper	—
	* (k) Elementary Statistical Theory	SM7201
	* (l) Any other approved paper taught outside the Department of Philosophy	—
8.	An approved paper taught outside the Department of Philosophy	—

\*May be examined at the end of first year of Part II course.

**XVII. Philosophy**  
For candidates entering Part II in or before October 1984

Paper Number	Paper Title	Study Guide Number
*1.	Scientific Method	Ph5230
2.	History of Modern Philosophy, Bacon to Kant	Ph5300
*3.	Logic	Ph5220
4.	Epistemology and Metaphysics	Ph5310
5.	* (a) Social Philosophy	Ph5250
	or (b) Mathematical Logic	Ph5221
6.	* (a) The Rise of Modern Science, Copernicus to Newton	Ph5240
	or (b) An essay written during the course of study	Ph5398
	or (c) An essay written under examination conditions	Ph5399
7.	One of the following:	
	(a) An essay written during the course of study (unless taken under 6)	Ph5398
	(b) An essay written under examination conditions (unless taken under 6)	Ph5399
	(c) Political Philosophy	Gv3121
	* (d) Introduction to Social Anthropology	An1200
	† (e) An approved economics paper	—
	* (f) The History of European Ideas since 1700	Hy3406
	(g) An approved Modern foreign language	—
	* (h) Elementary Linguistics	Ln3810
	* (i) Introduction to Individual and Social Psychology	Ps5400
	† * (j) An approved mathematics paper	—
	* (k) Elementary Statistical Theory	SM7201
	† * (l) Any other approved paper taught outside the Department of Philosophy	—
†*8.	An approved paper taught outside the Department of Philosophy	—

\*May be examined at the end of first year of Part II course.

†See pages 240-244.

**XVIII. Government and History**  
For candidates entering Part II in or after October 1984

Paper Number	Paper Title	Study Guide Number
<b>A Government</b>		
1.	(a) Political Thought	Gv3120
	or (b) Political Philosophy	Gv3121
2.	One of the following:	
	* (a) Comparative Political Analysis	Gv3046
	or (b) Comparative Political Institutions	Gv3047
	* (c) Political Ideas in the United Kingdom	Gv3026
	* (d) Political Behaviour with Special Reference to the United Kingdom	Gv3027
	* (e) Cabinet Government and the National Policy Process	Gv3028
	* (f) History of British Politics in the Twentieth Century	Gv3021
	* (g) History of British Politics from the Seventeenth to the Twentieth Century	Gv3020
	* (h) British Constitutional Ideas since the 1880's	Gv3029
3.	Either one paper from papers 1 or 2 if not already chosen or one of the following:	
	(a) Political Thought (a selected text)	Gv3130-38
	(b) Modern Political Thought: a Study of European Political Thought since 1770	Gv3122
	* (c) The Politics and Government of a Foreign Country or Group of Countries	
	(i) France	Gv3050
	(ii) Germany	Gv3051
	(iii) U.S.A.	Gv3053
	(iv) Russia	Gv3052
	(v) Eastern Europe	Gv3055
	(vi) Scandinavia	Gv3056
	(vii) Latin America	Gv3057
	* (d) Public Administration	Gv3035
	* (e) Public Policy: Political and Economic Aspects	Gv3036
<b>B History</b>		
*4 & *5.	Two of the following:	
	(a) English History, 1399-1603	Hy3423
	(b) British History, 1603-1760 (this paper may not be taken by candidates who have chosen 2(g) above)	Hy3429
	(c) British History, 1760-1914 (this paper may not be taken by candidates who have chosen 2(g) above)	Hy3432
	(d) European History, 1600-1789	Hy3459
	(e) (i) European History, 1789-1945 (not available if Political History was taken at Part I)	Hy3462
	or (ii) World History since 1890 (if not taken at Part I)	Hy3403
6.	One of the following:	
	(a) War and Society, 1600-1815	Hy3520

\*May be examined at the end of first year of Part II course.

Paper Number	Paper Title	Study Guide Number
(b)	Revolution, Civil War, and Intervention in the Iberian Peninsula, 1808-1854	Hy3523
(c)	British-America-Russian Relations, 1815-1914	Hy3526
(d)	International Economic Diplomacy in the Inter-War Period	Hy3539
* (e)	Fascism and National Socialism in International Politics, 1919-1945	Hy3538
* (f)	The Reshaping of Europe, 1943-1957	Hy3540
(g)	Economic History of the USA from 1783	EH1641
7 & 8.	Two approved papers from the following:	
	(a) One paper from papers 1, 2 or 3 if not already chosen	
	(b) One paper from paper 6 if not already chosen	
	(c) (i) The Habsburg Monarchy and the Revolutions of 1848	Hy3550
	(ii) The Great Powers and the Balkans, 1908-1914	Hy3556
	(iii) Great Britain and the Peace Conference of 1919 (not available 1985-86)	Hy3559
	(iv) The Manchurian Crisis, 1931-1933	Hy3562
	(v) The League of Nations in Decline, March 1933-December 1937	Hy3565
(d)	An approved paper taught in another department	

\*May be examined at the end of first year of Part II course.

## XIX. Economics and Economic History

Paper Number	Paper Title	Study Guide Number
*1.	Economic Principles	Ec1425
*2.	(a) Introduction to Econometrics and Economic Statistics	Ec1430
	or (b) Principles of Econometrics	Ec1561
*3.	(a) Society and Economy of Early Modern England	EH1626
	or (b) Economic and Social History of Britain from 1815	EH1630
*4.	One of the following:	
	(a) Economic History of the U.S.A. from 1783	EH1641
	(b) Latin America and the World Economy	EH1644
	(c) A Comparative Study of Modern Economic Development in Russia, India and Japan	EH1643
5.	Problems of Applied Economics	Ec1500
6.	Britain and the International Economy, 1919-1964	EH1740
7.	One of the following:	
	(a) History of Economic Thought	Ec1540
	(b) Economic Development	Ec1521
	(c) Labour Economics	Ec1452
	(d) Principles of Monetary Economics	Ec1513
	(e) International Economics	Ec1520
	(f) Economics of Industry	Ec1451
8.	Problems in Quantitative Economic History (This paper will be taught over two years; and will be examined by an essay of not more than 10,000 words.)	EH1750

\*May be examined at the end of first year of Part II course.

## XX. Philosophy and Economics

Paper Number	Paper Title	Study Guide Number
*1.	Scientific Method	Ph5230
2.	History of Modern Philosophy	Ph5300
3.	One of the following:	
	(a) Social Philosophy	Ph5250
	(b) Mathematical Logic	Ph5221
	(c) Logic (if Introduction to Mathematical Logic not already taken)	Ph5220
	(d) Theories of Probability	Ph5223
*4.	Economic Principles	Ec1425
5.	(a) Problems of Applied Economics	Ec1500
	or *(b) Introduction to Economic Policy	Ec1450
6.	(a) History of Economic Thought with the approval of the teachers concerned, another approved paper in Economics	Ec1540
	or †(b)	—
*7.	Introduction to Econometrics and Economic Statistics	Ec1430
8.	Philosophy of Economics	Ph5320

\*May be examined at the end of first year of Part II course.

†See pages 240-244.

## XXII. Russian Government, History and Language

Paper Number	Paper Title	Study Guide Number
*1. (a)	Comparative Political Analysis	Gv3046
or (b)	Comparative Political Institutions	Gv3047
2.	The Politics and Government of Russia	Gv3052
*3. (a)	International History, 1815-1914	Hy3503
or (b)	International History since 1914	Hy3506
4.	The History of Russia, 1682-1917	Hy3545
5.	Russian Language	Ln3940
6. (a)	Aspects of Russian Literature and Society	Ln3941
or (b)	Report on a Subject within the Field of Russian Studies	Gv3198
7 & 8.	Two of the following:	
(a)	Modern Political Thought: a Study of European Thought since 1770	Gv3122
(b)	International Communism	IR3770
* (c)	Geography of the Soviet Union	Gy1879
(d)	Soviet Economic Structure	Ec1548
(e)	British-American-Russian Relations, 1815-1914	Hy3526
* (f)	The Social Structure of the Soviet Union	So5860
(g)	A Comparative Study of Modern Economic Development in Russia, Japan and India	EH1643
* (h)	Any other approved subject within the B.Sc. (Econ.) Part II	

\*May be examined at the end of first year of Part II course.

## XXIII. Social Policy

Note: Candidates who have not taken Basic Statistics or Elementary Statistical Theory at Part I are required to take one of these subjects or Methods of Social Investigation under papers 7 or 8.

Paper Number	Paper Title	Study Guide Number
*1.	Social Administration	SA5620
2.	Social Policy	SA5720
3 & 4.	Two of the following:	
(a)	Educational Policy and Administration	SA5730
(b)	Personal Social Services	SA5731
(c)	Housing and Urban Structure	SA5732
(d)	Health Policy and Administration	SA5733
(e)	Race Relations and Ethnic Minority Groups	SA5754
(f)	Sociology of Deviance and Control	SA5734
(g)	Social Security Policy	SA5735
(h)	The Finance of the Social Services	SA5755
5. * (a)	The Social Structure of Modern Britain	So5809
or (b) (i)	Sociological Theory	So5821
or (b) (ii)	Social and Political Theory	SA5725
or (c)	Comparative Social Structures II: Industrial Societies	So5830
6.	One of the following:	
* (a)	Political Ideas in the United Kingdom	Gv3026
(b)	Modern Political Thought: a Study of European Political Thought since 1770	Gv3122
(c)	Political Philosophy	Gv3121
* (d)	Public Administration	Gv3035
* (e)	Political Behaviour with Special Reference to the United Kingdom	Gv3027
* (f)	Cabinet Government and the National Policy Process	Gv3028
7.	One of the following:	
* (a)	General Economics	Ec1420
* (b)	Economic Principles	Ec1425
* (c)	Introduction to Economic Policy	Ec1450
* (d)	Introduction to Econometrics and Economic Statistics	Ec1430
* (e)	The Economic History of Great Britain and the U.S.A. 1850-1939 (unless taken at Part I)	EH1600
* (f)	Economic and Social History of Britain from 1815	EH1630
* (g)	Methods of Social Investigation (may not be taken if Basic Statistics or Elementary Statistical Theory has been taken at Part I)	SA5622
(h)	Demographic Description and Analysis	Pn7120
(i)	Statistical Techniques and Packages	SM7240
†*8.	An approved paper taught outside the Department of Social Science and Administration	

\*May be examined at the end of first year of Part II course.

†See pages 240-244.



## XXIV. Population Studies

Paper Number	Paper Title	Study Guide Number
*1.	Demographic Description and Analysis	Pn7120
*2.	Applied Population Analysis	Pn7127
3 & 4.	Two of the following:	
*(a)	The Population History of England ( <i>not available 1985-86</i> )	Pn7121
*(b)	The Demographic Transition and the Western World Today	Pn7122
(c)	Third World Demography	Pn7123
(d)	Migration	Pn7124
(e)	Family Composition in Developed and Developing Countries	Pn7125
*(f)	Statistical Demography (students taking this paper will be expected to have taken Elementary Mathematical Methods or Basic Mathematics for Economists)	Pn7126
5,6,7 & 8.	Four of the following, including <i>one</i> from (i) or (j) if none of these papers was taken at Part I. A candidate who has taken <i>one</i> of the papers under (i) at Part I may take a paper under (j) at Part II and vice versa	
(a)	One paper from 3 and 4 above if not already chosen	
*(b)	(i) General Economics	Ec1420
or	(ii) Economic Principles	Ec1425
*(c)	The Social Structure of Modern Britain	So5809
*(d)	Social Policy	SA5720
*(e)	Kinship, Sex and Gender	An1220
*(f)	Economic and Social History of Britain from 1815	EH1630
*(g)	Methods in Geographical Analysis	Gy1816
*(h)	General Computing	SM7301
*(i)	(i) Elementary Statistical Theory	SM7201
or	(ii) Basic Statistics	SM7200
*(j)	(i) Elementary Mathematical Methods	SM7000
or	(ii) Basic Mathematics for Economists	Ec1415
*(k)	One or two other approved papers	

\*May be examined at the end of first year of Part II course.

## XXV. Industrial Relations

For candidates entering Part II in or after October 1985

Paper Number	Paper Title	Study Guide Number
*1.	Industrial Relations	Id3220
2.	Selected Topics in Industrial Relations	Id3320
*3.	Elements of Labour Law	LL5062
4.	Industrial Sociology	So5917
5,6,7 & 8.	Four of the following:	
*(a)	(i) Labour Economics	Ec1452
or	(ii) The Economics of the Labour Market	Id3222
*(b)	Economic Principles	Ec1425
*(c)	Introduction to Econometrics and Economics Statistics	Ec1430
*(d)	History of British Politics in the 20th Century	Gv3021
*(e)	Political Sociology	So5880
*(f)	Organisation Theory and Practice	Id3221
*(g)	Economic and Social History of Britain from 1815	EH1630
*(h)	Modern British Business in Historical Perspective 1900-1980	EH1660
(i)	Development of Modern Japanese Society	So5861
*(j)	An essay of not more than 10,000 words on an approved topic (to be presented not later than 1 May in the candidate's third academic year)	Id3399
(k & l)	Two approved papers taught outside the Department of Industrial Relations.	—

\*May be examined at the end of first year of Part II course.

**XXV. Industrial Relations**  
For candidates entering Part II in or before October 1984

Paper Number	Paper Title	Study Guide Number
*1.	Industrial Relations	Id3220
2.	Selected Topics in Industrial Relations	Id3320
*3.	Elements of Labour Law	LL5062
4.	Industrial Sociology	So5917
5,6,7 & 8.	Four of the following:	
*(a)	Labour Economics	Ec1452
*(b)	Economic Principles	Ec1425
*(c)	Introduction to Econometrics and Economic Statistics	Ec1430
*(d)	History of British Politics in the 20th Century	Gv3021
*(e)	Political Sociology	So5880
*(f)	Organisation Theory and Practice	Id3221
*(g)	Economic and Social History of Britain from 1815	EH1630
*(h)	Modern British Business in Historical Perspective 1900-1980	EH1660
(i)	Development of Modern Japanese Society	So5861
†*(j)	Any other approved paper	—

\*May be examined at the end of first year of Part II course.

†See pages 240-244.

**XXVI. Mathematics and Economics**

Paper Number	Paper Title	Study Guide Number
1.	Principles of Economics Treated Mathematically	Ec1426
2.	Topology and Convexity	SM7021
3.	One of the following:	
(a)	Further Analysis	SM7030
(b)	Introduction to Algebra (if not taken at part I)	SM7001
(c)	Elementary Statistical Theory (if not taken at part I)	SM7201
(d)	Probability, Distribution Theory and Inference	SM7220
4.	One of the following:	
(a)	Labour Economics	Ec1452
(b)	Economics of Industry	Ec1451
(c)	Theory of Business Decisions	Ec1453
(d)	Principles of Econometrics	Ec1561
5.	Mathematical Economics	Ec1570
6.	(a) Measure, Probability and Integration <sup>1</sup>	SM7061
or (b)	Further Analysis (if not already taken)	SM7030
7 & 8.	Two of the following:	
(a)	Advanced Economic Analysis	Ec1506
(b)	Game Theory	SM7025
(c)	History of Economic Thought	Ec1540
(d)	Economics of Investment and Finance <sup>2</sup>	Ec1542
(e)	Principles of Monetary Economics	Ec1513
(f)	Problems of Applied Economics	Ec1500
(g)	International Economics	Ec1520
†(h)	Any other approved paper	—

\*May be examined at the end of first year of Part II course.

†See pages 240-244.

<sup>1</sup>Only if 3(a) taken.

<sup>2</sup>Students will normally be expected to have followed the lectures and classes for 4 (c).

## Part II Subjects Taught "Outside the Department"

The following subjects are available in Part II as "papers taught outside the Department" i.e. papers listed as paper 7 or 8 and marked † in the regulations for Special Subjects in the preceding pages.

Selection of subjects should be made by students under the guidance of their Tutors. A subject taken at Part I may not be taken again in Part II.

Unless otherwise noted, all subjects are available to second and third year students, subject to timetabling constraints.

Title	Study Guide Number
<b>Accounting</b>	
Elements of Accounting and Finance	Ac1000
Managerial Accounting	Ac1021
Financial Decision Analysis	Ac1123
<b>Anthropology</b>	
Introduction to Social Anthropology	An1200
Social Aspects of Political and Economic Development (not available 1985-86)	An1330
Kinship, Sex and Gender	An1220
The Anthropology of Religion (3rd-year course)	An1302
<b>Economic History</b>	
The Economic History of Great Britain and the U.S.A. 1850-1939	EH1600
A Comparative Study of Modern Economic Development in Russia, Japan and India	EH1643
Economic History of England 1216-1603	EH1620
Society and Economy of Early Modern England	EH1626
Economic and Social History of Britain from 1815	EH1630
Economic History of the U.S.A. from 1783	EH1641
Latin America and the World Economy	EH1644
Britain and the International Economy 1919-1964 (3rd-year course)	EH1740
Modern British Business in Historical Perspective 1900-1980	EH1660
Family and Community in Britain since 1830	EH1631
<b>Economics</b>	
Economics A1 (not available 1985-86)	Ec1400
Economics A2	Ec1406
Economics B	Ec1403
Introduction to Mathematical Economics	Ec1408
Basic Mathematics for Economists	Ec1415
General Economics	Ec1420
Economic Principles	Ec1425
Labour Economics	Ec1452
Principles of Economics Treated Mathematically	Ec1426
History of Economic Thought (3rd-year course)	Ec1540
Economics of Industry	Ec1451
Introduction to Economic Policy	Ec1450
Economic Institutions Compared	Ec1454
The Economics of the Welfare State (3rd-year course)	Ec1543
Economics and Geography of Transport	Ec1544
Principles of Econometrics	Ec1561

Title	Study Guide Number
<b>Geography</b>	
Geographical Perspectives on Modern Society	Gy1801
Methods in Geographical Analysis	Gy1816
The Location of Economic Activity	Gy1824
Urban Geography	Gy1822
Man and his Physical Environment	Gy1808
Historical Geography of the British Isles	Gy1829
Advanced Methods in Geographical Analysis	Gy1857
An approved Regional Study:	
9.1 British Isles	Gy1876
9.2 Europe	Gy1877
9.4 Soviet Union	Gy1878
9.5 North America (Courses Gy1881 & Gy1882)	Gy1885
(not available 1985-86)	
Spatial Aspects of Economic Development (3rd-year course)	Gy1920
Advanced Economic Geography: Agriculture (3rd-year course)	Gy1921
Social Geography: Spatial Change and Social Process	Gy1821
Resource and Environmental Management (by permission only)	Gy1943
<b>Government</b>	
Modern Politics and Government with Special Reference to Britain	Gv3010
An Introduction to Political Thought: The Greeks	Gv3000
Public Policy: Political and Economic Aspects	Gv3036
Public Administration	Gv3035
Political Thought (two-year course)	Gv3120
Political Thought (a selected text) (3rd-year course)	Gv3130-3138
Political Philosophy (not available 1985-86)	Gv3121
Politics and Government of an approved foreign country:	
9.1 U.S.A.	Gv3053
9.2 Russia	Gv3052
9.3 Germany	Gv3051
9.4 France	Gv3050
9.6 Eastern Europe	Gv3055
9.7 Scandinavia	Gv3056
9.8 Latin America	Gv3057
History of British Politics from the 17th to the 20th Century	Gv3020
History of British Politics in the 20th Century	Gv3021
Comparative Political Institutions	Gv3047
Modern Political Thought: a Study of European Political Thought since 1770 (two-year course) (not available 1985-86)	Gv3122
The Language of Politics	Gv3001
Political Ideas in the United Kingdom	Gv3026
Political Behaviour with Special Reference to the United Kingdom	Gv3027
Cabinet Government and the National Policy Process	Gv3028
Comparative Political Analysis	Gv3046
<b>Industrial Relations</b>	
Industrial Relations	Id3220
The Economics of the Labour Market (not available as an outside option to students in special subjects I-VI. May not be combined with Labour Economics Ec1452)	Id3222

Title	Study Guide Number
<b>International History</b>	
Political History 1789–1941	Hy3400
World History since 1890	Hy3403
The History of European Ideas since 1700	Hy3406
International History 1494–1815	Hy3500
International History 1815–1914	Hy3503
International History since 1914	Hy3506
Fascism and National Socialism in International Politics 1919–1945	Hy3538
War and Society 1600–1815	Hy3520
<i>Non-specialists may choose any other paper offered by the Department, provided permission is obtained from the teacher concerned.</i>	
<b>International Relations</b>	
International Politics (two-year course)	IR3700
International Institutions	IR3703
Foreign Policy Analysis (two-year course)	IR3702
The Ethics of War (3rd-year course)	IR3755
The Politics of International Economic Relations (3rd-year course)	IR3752
Strategic Aspects of International Relations (3rd-year course)	IR3754
The International Legal Order (3rd-year course)	IR3750
European Institutions	IR3771
<b>Language Studies</b>	
One of the following languages:	
1.1 French	} two-year courses
1.2 German	
1.3 Russian	
1.4 Spanish	
Elementary Linguistics	Ln3810
Language, Mind and Society (3rd-year course)	Ln3831
Literature and Society in Britain (i) 1830–1900 (not available 1985–86)	Ln3840
Literature and Society in Britain (ii) 1900 Present Day	Ln3841
<b>Law</b>	
Public International Law	LL5131
English Legal Institutions	LL5020
Elements of Labour Law	LL5062
Commercial Law	LL5060
Women and the Law	LL5135
Legislation (Essay)	LL5116
Basic Principles of the Soviet and Yugoslav Legal Systems	LL5134
Legal and Social Change since 1750	LL5137
<b>Philosophy</b>	
Introduction to Logic	Ph5200
Introduction to Scientific Method	Ph5210
The Rise of Modern Science: Copernicus to Newton	Ph5240
Mathematical Logic	Ph5221
History of Modern Philosophy (two-year course)	Ph5300

Title	Study Guide Number
Scientific Method	Ph5230
Social Philosophy	Ph5250
Introduction to Mathematical Logic	Ph5201
<b>Population Studies</b>	
Population, Economy and Society	Pn7100
Demographic Description and Analysis	Pn7120
The Population History of England (not available 1985–86)	Pn7121
The Demographic Transition and the Western World Today	Pn7122
Third World Demography	Pn7123
Migration	Pn7124
Family Composition in Developed and Developing Countries	Pn7125
Statistical Demography	Pn7126
Applied Population Analysis	Pn7127
<b>Social Psychology</b>	
Introduction to Individual and Social Psychology	Ps5400
Personality and Social Behaviour (Prerequisite Ps5400)	Ps5421
Cognitive Psychology (Prerequisite Ps5400)	Ps5422
<b>Social Administration</b>	
Introduction to Social Policy	SA5600
Social Administration	SA5620
Social Policy (Prerequisite SA5600)	SA5720
Sociology of Deviance and Control	SA5734
Educational Policy and Administration	SA5730
Personal Social Services	SA5731
Housing and Urban Structure	SA5732
Health Policy and Administration	SA5733
Race Relations and Ethnic Minority Groups (not available 1985–86)	SA5754
Social Security Policy	SA5735
<b>Sociology</b>	
Introduction to Sociology	So5800
Social and Moral Philosophy	So5810
The Social Structure of Modern Britain	So5809
Comparative Social Structures I: Complex Pre-Industrial Societies	So5820
Political Sociology (not available 1985–86)	So5880
Sociological Theory	So5821
Sociology of Sex and Gender Roles: Women in Society	So5918
Comparative Social Structures II: Industrial Societies	So5830
Urban Sociology	So5916
Criminology	So5919
Theories and Problems of Nationalism (not available 1985–86)	So5883
Industrialisation and Theories of Social Change	So5882
Sociology of Deviance and Control	SA5734
Sociology of Religion	So5921
Sociology of Medicine	So5922

*Non-specialists may choose any other paper offered by the Department subject to the candidate having taken the appropriate prerequisite (please see Study Guides).*

## Title

	<i>Study Guide Number</i>
<b>Statistical and Mathematical Sciences</b>	
Elementary Mathematical Methods	SM7000
Elementary Statistical Theory	SM7201
Basic Statistics	SM7200
Introduction to Analysis and Set Theory	SM7002
Topology and Convexity	SM7021
Mathematical Methods	SM7020
Introduction to Econometrics and Economic Statistics	Ec1430
Probability, Distribution Theory and Inference	SM7220
Elements of Computer Science	SM7300
General Computing	SM7301
Actuarial Investigations ( <i>not available 1985-86</i> )	SM7260
Marketing and Market Research	SM7231
Operational Research Methods	SM7345
Numerical and Symbolic Computing	SM7331
Game Theory	SM7025
Statistical Techniques for Management Sciences	SM7230
Decision Analysis	SM7216
Further Analysis	SM7030
Ideas in Mathematics and Science	SM7024
Further Algebra	SM7040
Elements of Management Mathematics	SM7340
Model Building in Operational Research (3rd-year course)	SM7347
Systems Analysis and Design	SM7322

## Course Unit Degrees

The School registers students for the B.Sc. and B.A. degrees by course units. A course unit is defined as one third of the amount of study which an adequately prepared student can reasonably be expected to complete in a year; that is to say one third of the total work load which every student who is capable of obtaining a degree at all should be able to manage. To obtain the degree candidates must complete, to the satisfaction of the School, courses valued at a minimum of nine course units and must satisfy the examiners in courses to the value of at least nine course units.

All students should read the full regulations for the degree: they may be obtained from the Registry at the School.

The following Main Fields of study within which candidates may qualify for Honours, are available:

**B.Sc. Degree**

Geography  
 Mathematics, Statistics, Computing and  
 Actuarial Science  
 Management Sciences  
 Mathematics and Philosophy  
 Social Anthropology  
 Social Policy and Administration  
 Social Psychology  
 Sociology

**B.A. Degree**

Geography  
 Social Anthropology

Chemistry and Philosophy of Science (Candidates are registered at King's College and attend the LSE on an intercollegiate basis for courses in Philosophy).

## 1 Geography

For candidates beginning in and after October 1984

Courses are given in the Joint School of Geography at King's College and LSE and teaching is provided by both Colleges.

- 1.1 Candidates for Honours will be expected to take subjects to the value of four course-units in each of the three years of the degree course.
- 1.2 First year subjects will be included in the assessment for Honours, though they will not have weight equal to second and third year subjects.
- 1.3 A candidate is required to take the following subjects:

<i>Paper Number</i>	<i>Paper Title</i>	<i>Study Guide Number</i>
<i>First Year</i> Four-course units		
1.	Physical Geography	Gy1812
2.	Geographical Perspectives on Modern Society	Gy1801
3.	Methods in Geographical Analysis	Gy1816

One course outside Geography (*either* from the list of LSE courses *or* from outside LSE as approved)

<i>Second Year</i> Four course-units, at least two must be selected from 5-10		
5.	The Location of Economic Activity	Gy1824
6.	Social Geography: Spatial Change and Social Process	Gy1821
7.	Man and his Physical Environment	Gy1808
8.	Urban and Regional Planning	Gy1926
9.	Geomorphology I	Gy1840
10.	Advanced Methods in Geographical Analysis	Gy1857

Paper Number	Paper Title	Study Guide Number
11.	Historical Geography	Gy1829
12.	Urban Geography	Gy1822
13.	Biogeography	Gy1842
14.	Meteorology and Climatology	Gy1843
15.	Techniques in Physical Geography	Gy1817
16.	An approved LSE subject outside Geography	
17.	An approved inter-collegiate course	

**Third Year** Four course-units which must include number 18. Not more than two course-units may be taken from 31-34 inclusive.

18.	Essay of not more than 7,500 words on an approved topic, to be submitted not later than the first day of the Summer Term of the Third Year	Gy1998
19.	Spatial Aspects of Economic Development	Gy1920
20.	Transport: Environment and Planning	Gy1942
21.	Resource and Environmental Management	Gy1943
22.	Social Geography of Urban Change	Gy1929
23.	Comparative Studies in Spatial Policy	Gy1931
24.	Urban Politics: a Geographical Perspective	Gy1919
25.	Geography of Rural Development	Gy1922
26a.	Map Design and Evaluation	Gy1950
26b.	Advanced Cartography	Gy1951
27.	Geomorphology II (Paleogeomorphology)	Gy1966
28a.	Geomorphology III	Gy1961
28b.	Environmental Change	Gy1962
28c.	Soil Science	Gy1841
28d.	Elements of Hydrology	Gy1844
29.	Third World (half-unit)	Gy1884
30.	British Isles	Gy1876
31.	Europe	Gy1877
32.	Soviet Union	Gy1886
32a.	Latin America I (half-unit)	Gy1882
32b.	Latin America II (half-unit)	Gy1883
33a.	North America I (half-unit) ( <i>not available 1985-86</i> )	Gy1880
33b.	North America II (half-unit) ( <i>not available 1985-86</i> )	Gy1881
34.	A course from second year list 5-10 if not already taken (N.B. Pre-requisites for third year courses must be taken in the second year.)	
35.	Courses to the value of one course-unit from LSE and outside Geography	
36.	Approved intercollegiate courses to the value of one course-unit	

#### For candidates beginning in or before October 1983

- 1.1 Courses are given in the Joint School of Geography at King's College and LSE and students are taught by teachers from both colleges.
- 1.2 Candidates for Honours will normally be required to take courses to the value of ten course units over three years; with permission this total may be extended.
- 1.3 Courses are normally examined at the end of the year in which they are studied, though a smaller number of second-year courses may be examined at the end of the third year.

- 1.4 **Fieldwork:** All students registered for B.A. and B.Sc. degrees in Geography by course units are required to attend a departmental field class during the first year of the course and to submit a written report. A number of second and third year course units require attendance at field classes and/or the carrying out of field work and information will be given to students choosing these options. A proportion of examination marks may be allocated for field work in these units.
- 1.5 In assessing a candidate for Honours, his achievement in second and third years may be given more weight than that of the first year.
- 1.6 In certain cases students may be able to take courses at other colleges of the University. The permission of the convener is required.
- 1.7 A candidate is required to take the following courses:

Paper Number	Paper Title	Unit Value	Study Guide Number
<b>Third Year</b>			
<i>3 or 4 course units to be chosen from:-</i>			
	Advanced Economic Geography: Agriculture	$\frac{1}{2}$	Gy1921
	Spatial Aspects of Economic Development	1	Gy1920
	Urban and Regional Planning	1	Gy1926
	Historical Geography: Western and Central Europe (*420/0485 or 420/0417)	1	
	Geomorphology II — Palaeogeomorphology (*420/1840)	1	Gy1966
	Geomorphology III (*420/1840)	$\frac{1}{2}$	Gy1961
	Climatic Change (*420/1843)	$\frac{1}{2}$	Gy1963
	Urban Climatology (*420/1843)	$\frac{1}{2}$	Gy1965
	Environmental Change (*420/1843)	$\frac{1}{2}$	Gy1962
	Microclimatology (*420/1843)	$\frac{1}{2}$	Gy1964
	Elements of Hydrology	$\frac{1}{2}$	Gy1844
	Geography of Rural Settlement	$\frac{1}{2}$	—
	Resource and Environmental Management	1	Gy1943
	Transport: Environment and Planning	1	Gy1942
	Urban Politics: A Geographical Perspective	1	Gy1919
	Geography of Rural Development	1	Gy1922
	Advanced Social Geography I: Planning, Housing and Urban Change (*420/0497; 420/1821)	$\frac{1}{2}$	Gy1924
	Advanced Social Geography II: Spatial Inequalities (*420/0497; 420/1821)	$\frac{1}{2}$	Gy1925
	Map Design and Evaluation	$\frac{1}{2}$	Gy1950
	Soviet Union	$\frac{1}{2}$	Gy1878
	Latin America II (*420/1822)	$\frac{1}{2}$	Gy1883
	North America II (*420/1880) ( <i>not available 1985-86</i> )	$\frac{1}{2}$	Gy1881

#### \*Recommended Preliminary Course

A course or courses to the value of not more than 1 unit from the second year list.

An independent essay of not more than 5,000 words on an approved topic in Geography.

Courses to the value of not more than 1 unit chosen from the list of courses outside Geography

#### Courses outside Geography

For courses outside please see list on pages 258-261.

## 2 Mathematics, Statistics, Computing and Actuarial Science

- 2.1 Candidates will normally be expected to take courses to the value of four course units during each of the three years of study.
- 2.2 The field or fields in which honours are awarded depends on the courses chosen. The normal basic requirements for each field are listed below. The remaining courses are chosen under tutorial guidance.
- Mathematics: Courses 1, 2, 10, 11 and two from 12-16 or 21, 22.  
 Statistics: Courses 3, 4, 17, 30, 31, 32.  
 Computing: Courses 3, 5, 40, 41, 42, 45, 46.  
 Actuarial Science: Courses 3, 4, 6, 7(a)(ii), 17, 30, 34, 50, 51, 53. (If 6(b) is taken, 53 may be omitted.)
- 2.3 A student may also qualify for combined honours.
- Mathematics/  
 Statistics: Courses 1, 2 or 3, 4, 10 or 11, 17, 30, one from 11-16, 31 or 32.  
 Statistics/  
 Computing: Courses 3, 4, 5, 17, 30, one from 31-34, 40, or 41 or 46 and one from 42 or 45.  
 Mathematics/  
 Computing: Courses 1 or 2, 3, 5, 10 or 11, 17, 40 or 41 or 46, one from 42 or 45 and one further course from 10-16.  
 Actuarial Science/  
 Statistics: Courses 3, 4, 6, 17, 30, 34, 53 and two from 7(a)(ii), 50, 51. (If 6(b) is taken, 53 may be omitted.)

Paper Number	Paper Title	Unit Value	Study Guide Number
1.	Introduction to Analysis and Set Theory	1	SM7002
2.	Introduction to Algebra	1	SM7001
3.	Elementary Mathematical Methods	1	SM7000
4.	Elementary Statistical Theory	1	SM7201
5.	Elements of Computer Science	1	SM7300
6.	At most <i>one</i> course from:		
(a)	Economics A ( <i>candidates will be expected to take A2</i> )	1	Ec1400
(b)	Economics B	1	Ec1403
(c)	Introduction to Mathematical Economics	1	Ec1408
7.	At most <i>one</i> course from:		
(a)	(i) Elements of Accounting and Finance or (ii) Elements of Accounting and Investment for Actuarial Science ( <i>available to Actuarial Students only</i> )	1	Ac1000
(b)	Introduction to Mathematical Logic	1	Ac1001
(c)	Introduction to Individual and Social Psychology	1	Ps5400
(d)	A course from the list of course units available to non-specialists	1	

### Second and Third Years

#### Mathematics

10.	Further Analysis ( <i>to follow course 1</i> )	1	SM7030
11.	Further Algebra ( <i>to follow course 2</i> )	1	SM7040
12.	Topology and Convexity	1	SM7021

Paper Number	Paper Title	Unit Value	Study Guide Number
13.	Infinite Abelian Groups ( <i>not available 1985-86</i> )	1	SM7042
14.	Category Theory	1	SM7041
15.	Game Theory	1	SM7025
16.	Sets and Models ( <i>to follow course 7b</i> )	1	SM7031
17.	Mathematical Methods ( <i>to follow course 3</i> )	1	SM7020
18.	Incompleteness and Undecidability	1	Ph5222
19.	Ideas in Mathematics and Science	1	SM7024
20.	Philosophy of Mathematics ( <i>two-year course</i> )	1	Ph5315
21.	Graphs and Combinatorics	1	SM7063
22.	Measure, Probability and Integration ( <i>to follow course 10</i> )	1	SM7061

#### Statistics

30.	Probability, Distribution Theory and Inference ( <i>to follow course 4</i> )	1	SM7220
31.	Statistical Theory ( <i>3rd-year course</i> )	1	SM7241
32.	Statistical Techniques and Packages ( <i>3rd-year course</i> )	1	SM7240
33.	Statistical Techniques for Management Sciences ( <i>not to be taken with 31, 32 or 34</i> )	1	SM7230
34.	Statistical Methods for Actuarial Science ( <i>3rd-year course; not to be taken with 31 or 33</i> )	1	SM7250
35.	Statistical Demography	1	Pn7126
36.	Econometric Theory	1	Ec1575
37.	Decision Analysis ( <i>to follow courses 3 and 4</i> )	1	SM7216

#### Computing and Operational Research

40.	Systems Analysis and Design ( <i>to follow course 5</i> )	1	SM7322
41.	Applications of Computers	1	SM7321
42.	Numerical and Symbolic Computing	1	SM7331
45.	Operational Research Methods	1	SM7345
46.	Computing Methods ( <i>to follow course 5</i> )	1	SM7320
47.	Model Building in Operational Research ( <i>to follow course 45</i> )	1	SM7347

#### Actuarial Science and Economics

50.	Actuarial Investigations: Statistical and Financial ( <i>not available 1985-86</i> )	1	SM7260
51.	Actuarial Life Contingencies	1	SM7261
52.	Financial Decision Analysis ( <i>to follow course 7(a)</i> )	1	Ac1123
53.	(a) Economic Principles ( <i>to follow course 6</i> )	1	Ec1425
(b)	Principles of Economics treated Mathematically ( <i>to follow course 6</i> )	1	Ec1426
54.	Theory of Business Decisions ( <i>to follow course 6</i> )	1	Ec1453
55.	Economics of Investment and Finance ( <i>to follow course 54</i> )	1	Ec1542
56.	Economics of Industry	1	Ec1451
58.	Topics in Quantitative Economics	1	Ec1579

Paper Number	Paper Title	Unit Value	Study Guide Number
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**Other Courses**

Courses to the value of at most two course-units

from:

70.	A course in Social Psychology	1	
72.	A Course or courses from the list of course units available to non-specialists (timetable permitting)		

Subject to departmental approval, students may also offer first year courses which they have not taken or, where practicable courses taught at other colleges of the University. (These courses sometimes occupy half a year and are valued at half a unit. Students should not offer an odd number of such half units.) Note that 13 and 14 are offered in alternate years.

**3 Management Sciences****For candidates beginning in and after October 1985**

- 3.1 Candidates will normally be expected to take courses to the value of four course units in each of the three years of the course of study.
- 3.2 In assessing candidates for Honours, achievement in Part B will be given more weight than in Part A.
- 3.3 A candidate is required to take the following courses:

**Part A:** Foundation courses to be completed in the first and second years.

Candidates with 'A' level mathematics or its equivalent normally take the five foundation courses 2 to 6 below. Four of them will be taken in the first year and one in the second year. The order in which they are taken must be agreed by the candidates' teachers. Candidates without 'A' level mathematics or its equivalent normally take all six foundation courses. The courses 1 to 4 will be taken in the first year and courses 5 and 6 in the second year.

Paper Number	Paper Title	Unit Value	Study Guide Number
1.	Basic Mathematics for Economists	1	Ec1415
2.	Elements of Computer Science		SM7300
3. (a)	Economics A	1	Ec1400
	<i>(candidates will be expected to take A2)</i>		
or (b)	Economics B	1	Ec1403
or (c)	Introduction to Mathematical Economics	1	Ec1408
4.	Elements of Accounting and Finance	1	Ac1000
5.	Elementary Mathematical Methods	1	SM7000
6.	Elementary Statistical Theory	1	SM7201

**Part B:** Specialist courses to be taken in the second and third years.

All candidates are normally required to take the following courses (prerequisites in brackets):

7.	Operational Research Methods (5,6)	1	SM7345
8.	Statistical Techniques for Management Sciences (5,6)	1	SM7230

At least one paper from 9 to 19.

9.	Systems Analysis and Design (2)	1	SM7322
10.	Applications of Computers (9a)	1	SM7321
11.	Computing Methods (2)	1	SM7320

Paper Number	Paper Title	Unit Value	Study Guide Number
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12.	Marketing and Market Research (6)	1	SM7231
13.	Model Building in Operational Research (7)	1	SM7347
14.	Applied Management Sciences (13)	1	SM7360
15.	Decision Analysis (5,6)	1	SM7216
16. (a)	Actuarial Investigations: Statistical and Financial (6) ( <i>not available 1985-86</i> )	1	SM7260
or (b)	Actuarial Life Contingencies (5)	1	SM7261
17.	Mathematical Methods (5)	1	SM7020
18.	Game Theory (17), (20b)	1	SM7025
19.	Numerical and Symbolic Computing	1	SM7331
20.	Graphs and Combinatorics	1	SM7063

At least one paper from 21 to 29

21. (a)	Economic Principles	1	Ec1425
or (b)	Principles of Economics Treated Mathematically (3,5)	1	Ec1426
22.	Theory of Business Decisions (3)	1	Ec1453
23.	Economics of Industry (3)	1	Ec1451
24.	Principles of Econometrics (5,6)	1	Ec1561
25.	Financial Decision Analysis (4)	1	Ac1123
26.	Organisation Theory and Practice	1	Id3221
27. (a)	Elements of Labour Law	1	LL5062
or (b)	Commercial Law	1	LL5060
28.	Introduction to Individual and Social Psychology	1	Ps5400
29.	Managerial Accounting	1	Ac1021

Subject to departmental approval, and provided that at least one paper is taken from 9 to 20 and one from 21 to 29, candidates may substitute for the papers 9 to 29 up to two other papers from those taught within the School or at other colleges of the University.

**For candidates beginning in or before October 1984**

- 3.1 Candidates will normally be expected to take courses to the value of four course units in each of the three years of the course of study.
- 3.2 All candidates are normally required to take courses 3-7 and courses to the value of one unit from 30-34 or 40-44. In addition, all candidates are required to select at least one of the fields *Systems Analysis*, *Operational Research* or *Management Statistics* as their core field of study. The normal course requirements for the core fields are as follows:  
 Systems Analysis: Courses 20, 23, 24(a) and 25.  
 Operational Research: Courses 23, 25 and 28.  
 Management Statistics: Courses 23, 25 and 26.  
 The remaining courses are chosen under tutorial guidance.
- 3.3 Course 3 is normally taken in the first year. Courses 4 and 5 are taken in the first year by students with 'A' level Mathematics. Other students take course 1 in the first year and courses 4 and 5 in the second year. Courses 1 and 2 may only be taken in the first year.

Paper Number	Paper Title	Unit Value	Study Guide Number
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**First Year**

1.	Basic Mathematics for Economists	1	Ec1415
2.	Basic Statistics	1	SM7200



Paper Number	Paper Title	Unit Value	Study Guide Number
3.	Elements of Computer Science	1	SM7300
4.	Elementary Mathematical Methods	1	SM7000
5.	Elementary Statistical Theory	1	SM7201
6. (a)	Economics A (candidates will be expected to take A2)	1	Ec1400
or (b)	Economics B	1	Ec1403
or (c)	Introduction to Mathematical Economics	1	Ec1408
7.	Elements of Accounting and Finance	1	Ac1000
8. (a)	Introduction to Individual and Social Psychology	1	Ps5400
or (b)	English Legal Institutions	1	LL5020
or (c)	Introduction to Sociology	1	So5800
or (d)	A course from the list of course units available to non-specialists		

### Second and Third Year

#### Systems Analysis, Operational Research and Management Statistics

20.	Systems Analysis and Design (3)	1	SM7322
23.	Operational Research Methods	1	SM7345
24. (a)	Applications of Computers (20)	1	SM7321
or (b)	Applied Management Science (28)	1	SM7360
25.	Statistical Techniques for Management Sciences (4,5)	1	SM7230
26.	Marketing and Market Research	1	SM7231
27.	Computing Methods (3)	1	SM7320
28.	Model Building in Operational Research (23)	1	SM7347

#### Economics and Finance

30. (a)	Economic Principles	1	Ec1425
or (b)	Principles of Economics treated Mathematically (4,6)	1	Ec1426
31.	Theory of Business Decisions (6)	1	Ec1453
32.	Economics of Investment and Finance (31)	1	Ec1542
33.	Economics of Industry (6)	1	Ec1451
34.	Managerial Accounting (7)	1	Ac1021

#### Organisation and Industrial Relations

40.	Organisation Theory and Practice	1	Id3221
41.	Public Administration	1	Gv3035
42. (a)	Elements of Labour Law	1	LL5062
or (b)	Commercial Law	1	LL5060
43.	Industrial Sociology (8c)	1	So5917
44.	A course in Social Psychology	1	

#### Mathematics and Statistics

50.	Actuarial Investigations: Statistical and Financial (5) (not available 1985-86)	1	SM7260
51.	Actuarial Life Contingencies (4)	1	SM7261
52.	Mathematical Methods (4)	1	SM7020
53.	Game Theory	1	SM7025
54.	Numerical and Symbolic Computing (4)	1	SM7331
55.	Probability, Distribution Theory and Inference (5)	1	SM7220
56.	Introduction to Analysis and Set Theory (1)	1	SM7002
57.	Introduction to Algebra (1)	1	SM7001
58.	Decision Analysis	1	SM7216

Courses listed as available in the first year (other than 1 or 2) may also be offered in the second or third year (if not already taken) subject to departmental approval. Where practicable, students may also offer course units taught at other colleges of the University.

Note: that the numbers in parenthesis following the courses listed refer to those courses which are prerequisite or corequisite for the course in question.

## 4 Mathematics and Philosophy

- 4.1 Candidates will normally be expected to take courses to the value of four course units in each of the three years of the course of study.
- 4.2 All students take courses 1-6, 7 or 8, 18 and 19. The remaining courses are selected under tutorial guidance from the other courses listed. At least one of 5 and 6 and at least one of 7 and 8 must be taken in the second year.

Paper Number	Paper Title	Unit Value	Study Guide Number
<b>First Year</b>			
1.	Introduction to Analysis and Set Theory	1	SM7002
2.	Introduction to Algebra	1	SM7001
3.	Introduction to Mathematical Logic	1	Ph5201
4.	Introduction to Scientific Method	1	Ph5210

#### Second and Third Years

5.	Incompleteness and Undecidability	1	Ph5222
6.	Sets and Models	1	SM7031
7.	Further Analysis	1	SM7030
8.	Further Algebra	1	SM7040
9.	Topology and Convexity	1	SM7021
10.	Game Theory	1	SM7025
11.	Infinite Abelian Groups	1	SM7042
12.	Category Theory	1	SM7041
13.	Scientific Method	1	Ph5230
14.	The Rise of Modern Science, Copernicus to Newton	1	Ph5240
15.	Epistemology and Metaphysics	1	Ph5310
16.	Ideas in Mathematics and Science	1	SM7024
17.	An essay of 5,000-7,000 words written during the course of study on an approved topic in Philosophy	1	Ph5398
18.	History of Modern Philosophy, Bacon to Kant (two-year course)	1	Ph5300
19.	Philosophy of Mathematics	1	Ph5315
20.	Theories of Probability	1	Ph5223

(Note that 11 and 12 are offered in alternate years.)

## 5 Social Anthropology

- 5.1 Candidates for Honours are required to take courses to the value of ten course units during three years. They will normally be taken in the following sequences: three in the first year, three in the second year and four in the third year.
- 5.2 There will be no exemption from first year courses.
- 5.3 The level of Honours awarded to a candidate will be determined largely by the assessments and examinations of courses taken in the second and third years. Less weight will be given to performance in courses in the first year.
- 5.4 A candidate is required to take the following courses:

Paper Number	Paper Title	Unit Value	Study Guide Number
<b>First Year</b>			
1.	Introduction to Social Anthropology	1	An1200
2.	Ethnography and Theory: Selected Texts	1	An1204
3.	An approved course or courses to the value of one course-unit from the list of course units available to non-specialists.	1	—
<b>Second Year</b>			
4.	Political and Economic Anthropology	1	An1222
5.	Kinship, Sex and Gender	1	An1220
6.	A course or courses to the value of one course-unit selected from those listed under Topics in Social Anthropology below.	1	—
<b>Third Year</b>			
7.	Advanced Theory of Social Anthropology	1	An1300
8.	The Anthropology of Religion	1	An1302
9 & 10.	Courses to the value of two course-units selected from those listed under Topics in Social Anthropology below.	2	—

#### Topics in Social Anthropology

(The courses offered under this heading will vary from year to year. The courses listed below are the courses to be offered in 1985/86. The department will announce details of courses to be taught in the following session at the end of Lent Term each year.)

Study Guide Number	Paper Title	Unit Value
An1398	Special Essay Paper in Social Anthropology	1
An1331	Anthropological Linguistics (if An1332, <i>Linguistics and Anthropological Problems</i> is not taken.)	1
An1312	Advanced Ethnography, Latin America: Highlands	$\frac{1}{2}$
An1317	Advanced Ethnography, Mediterranean	$\frac{1}{2}$
An1332	Linguistics and Anthropological Problems (if An1331, <i>Anthropological Linguistics</i> is not taken.)	$\frac{1}{2}$
An1341	Conflict, Violence and War	$\frac{1}{2}$
An1342	Urban Anthropology	$\frac{1}{2}$
—	A course or courses to the value of one course-unit on an approved subject.	$\frac{1}{2}$ or 1

### 6 Social Policy and Administration

- 6.1 Candidates are required to take courses to the value of four course-units in each year. Courses will normally be examined at the end of the session in which they are taught.
- 6.2 The level of Honours awarded to a candidate will be determined largely by the assessments and examinations of courses taken in the second and third years. Less weight will be given to performance in courses in the first year.

6.3 A candidate is required to take the following courses:

Paper Number	Paper Title	Unit Value	Study Guide Number
<b>First Year</b>			
1.	History of Social Policy in the 19th and 20th Centuries	1	SA5612
2.	Sociology and Social Policy	1	SA5613
3.	Social Economics	1	SA5614
4.	An approved course or courses to the value of one course-unit outside Social Administration	—	—
<b>Second Year</b>			
5.	Social Administration	1	SA5620
6.	Social Structure and Social Policy	1	SA5623
7.	Methods of Social Investigation	1	SA5622
8.	One of the following	1	—
(a)	Educational Policy and Administration	1	SA5730
(b)	Personal Social Services	1	SA5731
(c)	Housing and Urban Structure	1	SA5732
(d)	Health Policy and Administration	1	SA5733
(e)	Sociology of Deviance and Control	1	SA5734
(f)	Social Security Policy	1	SA5735
(g)	Sociology of Sex and Gender Roles	1	So5918
(h)	Social Theory and Social Policy 1870-1918	1	SA5751
(i)	Race Relations and Ethnic Minority Groups (not available 1985-86)	1	SA5754
(j)	Psychology and Social Policy (not available 1985-86)	1	SA5753
(k)	The Finance of the Social Services	1	SA5755
(l)	An approved course or courses to the value of one course-unit outside Social Administration (which may be taken in either the second or third year)	—	—
<b>Third Year</b>			
9.	Social Policy	1	SA5720
10.	Social and Political Theory	1	SA5725
11.	A long essay on approved topic	1	SA5799
12.	A paper listed under paper 8 not already taken	1	—

### 7 Social Psychology

- 7.1 Candidates are normally required to take courses to the value of twelve course units during the three years of study.
- 7.2 In the final year each candidate is required to carry out a research project under the supervision of a member of staff.
- 7.3 The level of Honours awarded to a candidate will be determined largely by the assessments and examinations of courses taken in the second and third years. Less weight will be given to performance in courses in the first year.
- 7.4 A candidate is required to take the following courses:

Paper Number	Paper Title	Unit Value	Study Guide Number
<b>First Year</b>			
1.	Introduction to Individual and Social Psychology	1	Ps5400
2.	Methods of Psychological Research I: General and Statistical	1	Ps5406
3.	Developmental and Biological Aspects of Behaviour	1	Ps5405
4.	Course outside Psychology	1	—

Paper Number	Paper Title	Unit Value	Study Guide Number
<b>Second Year</b>			
5.	Personality and Social Behaviour	1	Ps5421
6.	Cognitive Psychology	1	Ps5422
7.	Methods of Psychological Research II: Social and Statistical	1	Ps5420
8.	Course outside Psychology	1	
<b>Third Year</b>			
9.	Advanced Study of Psychological Processes	1	Ps5501
10.	Social Change and Social Organisations (Not taught in 1985-86. Candidates must substitute two half-unit papers, one selected from each list under papers 12 and 13) <sup>1</sup>	1	Ps5502
11.	Methods of Psychological Research III: Project and Data Analysis	1	Ps5500
12.	One half-unit paper selected from the following:		
(a)	Cognitive Development	1/2	Ps5521
(b)	Cognitive Structures	1/2	Ps5522
(c)	Collective Psychologies	1/2	Ps5523
(d)	Personality and Psychopathology	1/2	Ps5524
(e)	Social Psychology of Health (not available in 1985-86)	1/2	Ps5525
(f)	with the approval of the department, a paper not already taken under paper 13		
13.	One half-unit course selected from the following:		
(a)	Applied Development Psychology	1/2	Ps5526
(b)	Life-Span Development	1/2	Ps5527
(c)	Personality and Social Pathology	1/2	Ps5528
(d)	Psychological Aspects of Legal Processes	1/2	Ps5529
(e)	The Social Psychology of Conflict (not available in 1985-86)	1/2	Ps5530
(f)	The Social Psychology of the Media	1/2	Ps5531
(g)	Sociological Forms of Social Psychology	1/2	Ps5532
(h)	with the approval of the department, a paper not already taken under paper 12		

**Courses outside Social Psychology — please see list on pages 258-261.**

<sup>1</sup>Candidates in 1985-86 will therefore be required to take a total of four half-units, two from each of the lists under papers 12 and 13. With permission, candidates may choose one half-unit from one list and three from the other, but not more than three may be taken from any one list.

## 8 Sociology

- 8.1 Candidates are required to take courses to the value of twelve course units, with a minimum of four course units each year. Courses will normally be examined at the end of the session in which they are taught.
- 8.2 To qualify for Honours in Sociology a candidate is required to complete seven course units in Sociology, including the six compulsory courses and to pass in Sociology courses to the value of six course units.
- 8.3 In addition a candidate will be required to complete the course Methods of Statistical Analysis.
- 8.4 The compulsory course unit Issues and Methods of Social Research may be taken in any one of the three years.
- 8.5 A candidate may take up to five course units in courses outside Sociology.

- 8.6 A candidate will be required to submit a report of not more than 10,000 words on a sociological topic to be approved by the convener of the department of Sociology. The report (Unit Essay) must be presented not later than 1 May in the academic year of submission.
- 8.7 A candidate is required to take the following courses:

Paper Number	Paper Title	Unit Value	Study Guide Number
<b>First Year</b>			
1.	Introduction to Sociology	1	So5800
2.	Methods of Statistical Analysis	1	SM7215
3.	A course to the value of one unit from List B	1	—
4.	A course or courses to the value of not more than one unit from either List A or List B	1	—
<b>Second Year</b>			
1.	Comparative Social Structures: I	1	So5820
2.	Sociological Theory	1	So5821
3 & 4.	Courses to the value of at least two units from List A and/or List B	2	—
<b>Third Year</b>			
1.	Comparative Social Structures: II	1	So5830
2.	Unit Essay	—	So5831
3 & 4.	Courses to the value of at least two units from List A and/or List B (Note: these must include Issues and Methods of Social Research unless already taken)	2	—

### Optional Courses

List A: Courses in Sociology	Normally Taken in Year	Unit Value	Study Guide Number
Issues and Methods of Social Research	1,2 or 3	1	So5801
Social and Moral Philosophy	1,2 or 3	1	So5810
Social Philosophy	2 or 3	1	Ph5250
Contemporary Sociological Theory (not available 1985-86)	3	1	So5989
The Social Structure of Modern Britain	1,2 or 3	1	So5809
The Social Structure of the Soviet Union	2 or 3	1	So5860
The Development of Modern Japanese Society	2 or 3	1	So5861
Social Structure and Politics in Latin America (not available 1985-86)	2 or 3	1	So5862
Political Sociology (not available 1985-86)	2 or 3	1	So5880
Political Processes and Social Change	2 or 3	1	So5881
Industrial Sociology	2 or 3	1	So5917
Sociology of Religion	1,2 or 3	1	So5921
Sociology of Medicine	2 or 3	1	So5922
Urban Sociology	2 or 3	1	So5916
Industrialisation and Theories of Social Change	2 or 3	1	So5882
Criminology	2 or 3	1	So5919
Sociology of Deviance and Control	2 or 3	1	SA5734
Society and Literature	2 or 3	1	So5945
Sociology of Knowledge and Science	2 or 3	1	So5946

	Normally Taken in Year	Unit Value	Study Guide Number
Sociology of Sex and Gender Roles: Women in Society	2 or 3	1	So5918
Race Relations and Ethnic Minority Groups (not available 1985-86)	2 or 3	1	SA5754
Theories and Problems of Nationalism (not available 1985-86)	2 or 3	1	So5883
The Psychoanalytic Study of Society	1,2 or 3	1	So5960

List B: Courses outside Sociology — please see list below.

List of course units available for selection by non-specialists where the regulations for the Main Field of study permit, subject to the approval of their tutors and the teaching department and to the successful completion of prerequisites where necessary.

Course	Normally Taken in Year	Unit Value	Study Guide Number
<b>Anthropology</b>			
Introduction to Social Anthropology	any	1	An1200
Ethnography and Theory: Selected Texts	any	1	An1204
Kinship, Sex and Gender	2 or 3	1	An1220
Political and Economic Anthropology	2 or 3	1	An1222
The Anthropology of Religion	3	1	An1302
<b>Economic History</b>			
The Economic History of Great Britain and the U.S.A. 1850-1939	any	1	EH1600
Modern British Business in Historical Perspective, 1900-1980	2 or 3	1	EH1660
Economic History of the United States of America from 1783	2 or 3	1	EH1641
Economic and Social History of Britain from 1815	2 or 3	1	EH1630
Latin America and the World Economy	2 or 3	1	EH1644
<b>Economics</b>			
Economics A		1	Ec1400
General Economics	2 or 3	1	Ec1420
Economics and Geography of Transport	2 or 3	1	Ec1544
<b>Geography</b>			
Geographical Perspectives on Modern Society	any	1	Gy1801
Methods in Geographical Analysis	2 or 3	1	Gy1816
Location of Economic Activity	2 or 3	1	Gy1824
Urban and Regional Planning	2 or 3	1	Gy1926
Historical Geography of the British Isles	2 or 3	1	Gy1829
Urban Geography	2 or 3	1	Gy1822
<b>Government</b>			
Modern Politics and Government with Special Reference to Britain	any	1	Gv3010

Paper Number	Paper Title	Unit Value	Study Guide Number
<b>International History</b>			
English History 1399-1603	any	1	Hy3423
British History 1603-1760	any	1	Hy3429
British History 1760-1914	any	1	Hy3432
International History 1815-1914	any	1	Hy3503
International History since 1914	2 or 3	1	Hy3506
<b>Industrial Relations</b>			
Industrial Relations	1*2 or 3	1	Id3220
The Economics of the Labour Market (may not be combined with Labour Economics Ec1452)	2 or 3	1	Id3222
<b>International Relations</b>			
The Structure of International Society	1	1	IR3600
International Politics	two-year	1	IR3700
<b>Language Studies</b>			
Elementary Linguistics	any	1	Ln3810
Language, Mind and Society	2 or 3	1	Ln3831
Literature and Society in Britain 1830-1900 (not available 1985-86)	any	1	Ln3840
Literature and Society in Britain 1900 to the present day	any	1	Ln3841
French Part I	any	1	Ln3800
<b>Law</b>			
English Legal Institutions	any	1	LL5020
Public International Law	any	1	LL5131
Introduction to the Anthropology of Law	2 or 3	1	LL5138
Women and the Law	2 or 3	1	LL5135
<b>Mathematics</b>			
Basic Mathematics for Economists	any	1	Ec1415
Elementary Mathematical Methods	any	1	SM7000
Introduction to Analysis and Set Theory	any	1	SM7002
General Computing	any	1	SM7301
Graphs and Combinatorics	2 or 3	1	SM7063
<b>Philosophy</b>			
Introduction to Scientific Method	any	1	Ph5210
Introduction to Logic	any	1	Ph5200
Social Philosophy	2 or 3	1	Ph5250
<b>Population Studies</b>			
Population, Economy and Society	any	1	Pn7100
Demographic Description and Analysis	2 or 3	1	Pn7120
The Demographic Transition and the Western World Today	2 or 3	1	Pn7122
Third World Demography	2 or 3	1	Pn7123
Migration	2 or 3	1	Pn7124
Family Composition in Developed and Developing Countries	2 or 3	1	Pn7125
Applied Population Analysis (Students taking this course must have taken or taking concurrently course Pn7120)	2 or 3	1	Pn7127

Paper Number	Paper Title	Unit Value	Study Guide Number
<b>Social Administration</b>			
	Introduction to Social Policy	any 1	SA5600
	Social Administration	2 or 3 1	SA5620
	Social Policy (Prerequisite SA5600)	2 or 3 1	SA5720
	Sociology of Deviance and Control	2 or 3 1	SA5734
	Educational Policy and Administration	2 or 3 1	SA5730
	Personal Social Services	2 or 3 1	SA5731
	Housing and Urban Structure	2 or 3 1	SA5732
	Health Policy and Administration	2 or 3 1	SA5733
	Race Relations and Ethnic Minority Groups ( <i>not available 1985-86</i> )	2 or 3 1	SA5754
	Social Security Policy	2 or 3 1	SA5735
<b>Social Psychology</b>			
	Introduction to Individual and Social Psychology	any 1	Ps5400
	Personality and Social Behaviour ( <i>Prerequisite Ps5400</i> )	2 or 3 1	Ps5421
	Cognitive Psychology ( <i>Prerequisite Ps5400</i> )	2 or 3 1	Ps5422
<b>Sociology</b>			
	Introduction to Sociology	any 1	So5800
	Social and Moral Philosophy	any 1	So5810
	The Social Structure of Modern Britain	any 1	So5809
	Comparative Social Structures I (Complex Pre-industrial Societies)	2 or 3 1	So5820
	Political Sociology ( <i>not available 1985-86</i> )	2 or 3 1	So5880
	Sociological Theory	2 or 3 1	So5821
	Sociology of Sex and Gender Roles: Women in Society	2 or 3 1	So5918
	Comparative Social Structures II: (Industrial Societies)	2 or 3 1	So5830
	Urban Sociology	2 or 3 1	So5916
	Issues and Methods of Social Research	2 or 3 1	So5801
	Criminology	2 or 3 1	So5919
	Theories and Problems of Nationalism ( <i>not available 1985-86</i> )	2 or 3 1	So5883
	Industrialisation and Theories of Social Change	2 or 3 1	So5882
	Sociology of Deviant Behaviour	2 or 3 1	So5920
	Sociology of Religion	2 or 3 1	So5921
	Industrial Sociology	2 or 3 1	So5917
	Contemporary Sociological Theory ( <i>not available 1985-86</i> )	2 or 3 1	So5989
	The Social Structure of the Soviet Union	2 or 3 1	So5860
	The Development of Modern Japanese Society	2 or 3 1	So5861
	Political Processes and Social Change	2 or 3 1	So5881
	Society and Literature	2 or 3 1	So5945
	Sociology of Knowledge and Science	2 or 3 1	So5946
	The Psychoanalytic Study of Society	any 1	So5960

Paper Number	Paper Title	Unit Value	Study Guide Number
<b>Statistics</b>			
	Elementary Statistical Theory	any 1	SM7201
	Decision Analysis ( <i>Prerequisites SM7000 and SM7201</i> )	2 or 3 1	SM7216

## B.Sc. Chemistry and Philosophy of Science

Candidates for this combined field of study are registered at King's College and attend the L.S.E. on an intercollegiate basis for courses in Philosophy. The curriculum of individual candidates will be arranged by King's College, including such matters as the order in which courses are to be taken and the total number required of each candidate, though to be awarded Honours in Chemistry and Philosophy of Science it will be necessary for a candidate to have taken and passed courses in Philosophy at the L.S.E. with a total value of at least four course units. There will be no requirement on any candidate to take an examination in courses followed at the L.S.E. at the end of the second year of the three-year course. Courses in Philosophy available at the L.S.E. are as follows:

Paper Number	Paper Title	Normally Taken in Year	Unit Value	Study Guide Number
1.	Introduction to Logic	1	1	Ph5200
2.	Introduction to Scientific Method	1	1	Ph5210
3.	History of Modern Philosophy, Bacon to Kant (two-year course)	2 or 3	1	Ph5300
4.	The Rise of Modern Science, Copernicus to Newton	2 and 3	1	Ph5240
5.	Epistemology and Metaphysics	2 and 3	1	Ph5310
6.	Scientific Method	2 and 3	1	Ph5230
7.	Logic	2	1	Ph5220
8.	<i>or</i> Incompleteness and Undecidability	2 and 3	1	Ph5222
	an Essay of 5,000-7,500 words written during the course of study on a topic approved by the Philosophy Department		1	Ph5398
	<i>or</i> an Essay written under examination conditions on a Philosophical topic		1	Ph5399

## B.Sc. Social Science and Administration

(The last entry to this course was in October 1983. This has been replaced by B.Sc. Social Policy and Administration course unit degree see pages 254-255.)

The full regulations for this degree may be obtained from the School Registry.

### Entrance Requirements

The entrance requires for the degree set out are in the table on page 176.

### Course of Study

The course of study extends over three years.

### Details of Examination

An examination of first-year courses will be conducted by the School at the beginning of the third term. The results of this examination will not count towards the classification for Honours.

### Study Guide Numbers

### Subjects of Examination

The First Year Examination will consist of the following:

1.	Introduction to Sociology	SA5610
2.	Economics and Statistics	SA5611
3.	History of Social Policy in the 19th and 20th Centuries	SA5612

Each of the subjects 1-8 below may be examined at the discretion of the University by:

*either*

- (a) an unseen written paper to count for 75 per cent, and an essay written in the candidate's own time to count for 25 per cent.

*or*

- (b) an unseen written paper to count for 100 per cent.

At any one examination in any one subject all candidates will be examined by the same method and that method will be determined by the University and announced before the beginning of the first session for Stage 1 and before the beginning of the second session for Stage 2. Under alternative (a) the unseen paper will be three hours and the candidate will be required to answer three questions. There will be a choice of questions. The essay should normally be of about 2,000 words and will be written on a topic from the field covered by the subject. There will be a choice of topics which will be published before the end of the preceding session. The essay must be handed in by 1 March in the second year of the course for subjects taken at Stage 1 and by 30 March in the third year of the course for subjects taken at Stage 2. A candidate who is examined under Scheme (a) above and who fails to satisfy the examiners in the subject as a whole will not be credited with a pass in either the unseen written element or the essay, and on re-entry to the examination, such a candidate will be required to sit the whole examination in the subject concerned.

Under alternative (b) the unseen paper will be three hours and the candidate will be required to answer four questions. There will be a choice of questions.

Examiners may test any candidate by means of oral questions.

Paper Number	Paper Title	Study Guide Number
The Final Examination will consist of the following:		
1. (a)	Social Administration	SA5620
or (b)	Public Administration <sup>1</sup>	
*2.	Social Economics	SA5660
*3.	Social Structures	SA5661
*4.	Social Investigation	SA5662
5.	Social Policy	SA5720
6.	Social and Political Theory	SA5725
7 & 8.	Two of the following, subject to the approval of the School and availability of the course concerned:	
(a)	Educational Policy and Administration	SA5730
(b)	Race Relations and Ethnic Minority Groups (not available 1985-86)	SA5754
(c)	Personal Social Services	SA5731
(d)	Social Policy of Developing Countries (not available 1985-86)	SA5750
(e)	Housing and Urban Structure	SA5732
(f)	Health Administration	SA5733
(g)	Law and Social Policy	—
(h)	Social Theory and Social Policy 1870-1918	SA5751
(i)	General and Social Psychology (not available 1985-86)	SA5752
(j)	The Family in Law and in Society	—
(k)	Political Sociology	—
(l)	Values and Society	—
(m)	Urban and Regional Economics	—
(n)	Parliament, Policy-making, and the Legislative Process	—
(o)	British Social History in the 19th and 20th Centuries	—
(p)	The Sociology of Medicine	—
(q)	Sociology of Deviance and Control	SA5734
(r)	Population Studies	—
(s)	Sociology of Sex and Gender Roles: Women in Society	So5918
(t)	Social Security Policy	SA5735
9.	An essay of not more than 7,000 words to be submitted through the candidate's School or Institution by 31 January in the final year of the course. The topic of the essay must be approved by the candidate's teachers.	

<sup>1</sup>The papers marked with an asterisk will be examined at the beginning of sixth term of the course.

<sup>1</sup>Not available to students of the School.

## Degree of Bachelor of Laws

The School provides a three-year course leading to the LL.B. degree of the University of London. The University regulations are not, however, the same for all the London colleges, and the pattern of the course is unique to students of the School. Subjects which are not exclusively legal have been introduced into the new syllabus, and an attempt has been made to break down the arbitrary boundaries between legal subjects. In addition, instruction in each subject is not always limited in length to one academic year, thus making it possible to emphasise the inter-relationship between different branches of the law.

The subjects which most L.S.E. students take are taught, both in lectures and classes, at this School, but exceptionally, arrangements will be made for students to attend other colleges of the University for instruction in subjects not taught here.

The attention of students taking the LL.B. degree is drawn to the advantages and concessions granted in professional training (see page 278).

### INTERMEDIATE EXAMINATION

A candidate is eligible to present himself for the Intermediate examination after having satisfactorily attended the prescribed course of study at the School extending over not less than one academic year. The Intermediate examination is normally held twice each year, in May or June and in September. A candidate offering himself for examination for the first time may not postpone his entry to the examination until September.

The examination consists of written papers in four subjects:

	Study Guide Number
Public Law	LL5003
Law of Contract	LL5001
Law of Property I	LL5002
English Legal System	LL5000

A candidate who passes in three of the papers at an Intermediate examination and fails in the remaining paper may be referred in that paper; if he satisfies the examiners in the paper in which he has been referred at either of the two next following Intermediate examinations he is regarded as having passed the whole examination; otherwise he is required to take the whole of the Intermediate examination again.

In exceptional cases, with permission of the School, a candidate who fails to reach the minimum standard in two or more subjects in May or June, whether or not he has presented himself for all or part of the examination, may be permitted to re-enter for the whole examination in September of the same year.

### PART I EXAMINATION

A candidate is eligible to present himself for the Part I examination after having satisfactorily attended the prescribed course of study extending over one year subsequent to passing the Intermediate examination. The Part I examination is normally held twice each year, in May or June and in September. A candidate offering himself for examination for the first time may not normally postpone his entry to the examination until September.

A candidate is required to satisfy the examiners in the following papers:

	Study Guide Number
Law of Tort	LL5041
and in	
Criminal Law	LL5040

and in other courses to the value of two subjects from the following lists:

- |      |   |        |
|------|---|--------|
| (i)  | Property II   | LL5105 |
|      | Law of Evidence   | LL5113 |
|      | Public International Law  | LL5131 |
|      | Conflict of Laws  | LL5114 |
|      | Mercantile Law  | LL5110 |
|      | Labour Law  | LL5112 |
|      | Domestic Relations  | LL5118 |
|      | Law of Business Associations  | LL5111 |
|      | Local Government Law (Essay)  | LL5117 |
|      | International Protection of Human Rights                            | LL5132 |
|      | Basic Principles of the Soviet and Yugoslav Legal Systems           | LL5134 |
|      | Legislation (Essay)   | LL5116 |
|      | Introduction to the Anthropology of Law                             | LL5138 |
|      | Introduction to European Law  | LL5133 |
|      | Legal and Social Change since 1750 ( <i>not available 1985-86</i> ) | LL5137 |
|      | Housing Law   | LL5119 |
|      | Administrative Law  | LL5115 |
|      | Economic Analysis of Law  | LL5136 |
|      | Women and the Law   | LL5135 |
|      | Law Relating to Civil Liberties                                     | LL5130 |
|      | Land Development and Planning Law                                   | LL5140 |
| (ii) | Sentencing and Treatment of Offenders                               | LL5171 |
|      | Legal Services to the Community (Essay)                             | LL5176 |
|      | Social Security Law I   | LL5172 |
|      | Social Security Law II  | LL5173 |
|      | Law of Landlord and Tenant ( <i>not if Housing Law is taken</i> )   | LL5174 |
|      | Race, Nationality and the Law                                       | LL5177 |
|      | Sociological Theory and the Idea of Law                             | LL5179 |
|      | Outlines of Modern Criminology                                      | LL5170 |
|      | Public Law and Economic Policy                                      | LL5178 |
|      | ( <i>not available 1985-86</i> )                                    |        |
|      | Health Care and the Law   | LL5175 |

Each course in list (i) counts as one subject, while each course in list (ii) counts as one half subject. A candidate may not select more than four courses from list (ii). All the courses in lists (i) and (ii) will not necessarily be available each year.

A candidate who selects courses to the value of three and a half subjects will be required to make up the remaining half subject by writing an essay of about 6,000-8,000 words on a legal topic approved by the School.

At the discretion of the School and with the permission of the other School concerned, a candidate may be permitted to offer, as one of the two subjects required under this regulation, a law course, taught at another School of the University of London and deemed to be of the value of one subject.

The Part I examination is conducted by written papers with the exception that a candidate who offers any course which is identified as being examinable by means of an essay will be required in that course to write an essay instead.

A candidate who passes courses to the value of three subjects and fails in the examination for the remaining courses may be referred in the paper(s) or essay(s) concerned: if he satisfies the examiners in the referred paper(s) or essay(s) at either of the two next following Part I examinations he is regarded as having passed the whole examination, otherwise he is required to take the whole of the Part I examination again.

A candidate who numbers an essay or essays amongst the courses in which he is referred will be permitted to re-submit the same essay or essays, after revision, at the next Part I examination.

A candidate who fails the Part I examination, including a failure in a course or courses examinable by means of an essay, will be permitted to re-submit the same essay or essays, after revision, at the next Part I examination.

A candidate who includes amongst the courses taken at the June Part I Examination a course or courses examinable by means of an essay and satisfies the Examiners in that course or courses yet fails the Examination as a whole, will be permitted to carry forward to the next Part I Examination the mark achieved in the course or courses concerned and will be required to be re-examined in the remaining courses.

An oral examination is compulsory for any candidate who offers an essay and questions put to him in the oral examination may extend to cover the wider background aspects of the essay.

In exceptional cases the School may permit a candidate who fails to reach the minimum standard in courses to the value of two or more subjects in June to re-enter for the whole examination in September of the same year.

#### PART II EXAMINATION

A candidate is eligible to present himself for the Part II examination after having satisfactorily attended the prescribed course of study extending over not less than one academic year subsequent to pass the Part I examination.

The Part II examination is normally held once each year in May or June. A candidate is required to satisfy the examiners in:

	<i>Study Guide</i>
	<i>Number</i>
Jurisprudence	LL5100

He is also required to satisfy the examiners in other courses to the value of three subjects selected from the following lists:

	<i>Study Guide</i>	
	<i>Number</i>	
(i)	Property II	LL5105
	Law of Evidence	LL5113
	Public International Law	LL5131
	Conflict of Laws	LL5114
	Mercantile Law	LL5110
	Labour Law	LL5112
	Domestic Relations	LL5118
	Law of Business Associations	LL5111
	Local Government Law (Essay)	LL5117
	International Protection of Human Rights	LL5132
	Basic Principles of the Soviet and Yugoslav Legal Systems	LL5134
	Legislation (Essay)	LL5116
	Introduction to the Anthropology of Law	LL5138
	Introduction to European Law	LL5133
	Legal and Social Change since 1750 ( <i>not available 1985-86</i> )	LL5137
	Housing Law	LL5119
	Administrative Law	LL5115
	Economic Analysis of Law	LL5136
	Women and the Law	LL5135
	Law Relating to Civil Liberties	LL5130
	Land Development and Planning Law	LL5140
(ii)	Sentencing and Treatment of Offenders	LL5171
	Legal Services to the Community (Essay)	LL5176
	Social Security Law I	LL5172
	Social Security Law II	LL5173
	Law of Landlord and Tenant ( <i>not if Housing Law is taken</i> )	LL5174



	<i>Study Guide Number</i>
Race, Nationality and the Law	LL5177
Sociological Theory and the Idea of Law	LL5179
Outlines of Modern Criminology	LL5170
Public Law and Economic Policy (not available 1985-86)	LL5178
Health Care and the Law	LL5175

Each course in list (i) counts as one subject, while each course in list (ii) counts as one half subject. A candidate may not select more than four courses from list (ii). All the courses in lists (i) and (ii) will not necessarily be available every year. A candidate may not offer a course which he has previously offered in the Part I examination.

A candidate who selects courses to the value of three and a half subjects will be required to make up the remaining half-subject by writing an essay on a legal topic approved by the School.

At the discretion of the School and with the permission of the other School concerned a candidate may be permitted to offer, as one of the three subjects required under this regulation, a Law course taught at another School of the University of London and deemed to be of the value of one subject.

The Part II examination is conducted by written papers with the exception that a candidate who offers any course which is identified as being examinable by means of an essay, will be required in that course, to write an essay instead. A candidate who offers an essay will not be permitted to offer the same essay at any succeeding examination.

The Examiners may, if they think fit, require any candidate at the Part II examination to present himself for an oral examination. An oral examination is compulsory for any candidate who offers an essay and questions put to him in the oral examination may extend to cover the wider background aspects of the essay.

## Degree of Bachelor of Laws with French Law

The degree is part of a collaborative agreement between the L.S.E. and the University of Strasbourg, where the third year of the course is taken.

The examination for the degree consists of two parts, namely Part I and Part II. In order to qualify for admission to the course leading to the Part II examination a candidate is required to pass the examination for the Diplome d'études juridiques de Strasbourg, hereinafter called the Diploma.

Candidates are required to enter for examinations at the School by applying to the Examinations Officer of the School. Candidates who are not registered as full-time or part-time students at the School are required to pay a fee on entry or re-entry to an examination. Details are available on request from the Examinations Office.

The examiners may require any candidate at the Intermediate, Part I and Part II Examinations to present himself for an oral examination, and an oral examination shall be compulsory for any candidate offering an essay.

### INTERMEDIATE EXAMINATION

A candidate is eligible to present himself for the Intermediate Examination after having satisfactorily attended the prescribed course of study at the School extending over not less than one academic year.

The Intermediate Examination shall be held twice each year in the Summer Term and in September. A candidate will not normally be permitted by the School to make his first entry to the examination in September. The examination consists of four written papers in the following subjects:

	<i>Study Guide Number</i>
1. Public Law	LL5003
2. Law of Contract	LL5001
3. Law of Property I	LL5002
4. English Legal System	LL5000

In addition, each candidate is required to follow the first year of an approved course of instruction in French Language at the School.

A candidate who passes in three of the papers at an Intermediate Examination and fails in the remaining paper may be referred in that paper; if he satisfies the examiners in the paper in which he has been referred at either of the two next following Intermediate Examinations he is regarded as having passed the whole examination; otherwise he is required to take the whole of the Intermediate Examination again.

In exceptional cases the School may permit a candidate who fails to reach the minimum standard in two or more subjects in the examination in the Summer Term to re-enter for the whole examination in September of the same year.

A candidate who has passed the Intermediate Examination may be permitted by the School to transfer to the LL.B. degree.

### PART I EXAMINATION

A candidate is eligible to present himself for the Part I Examination after having satisfactorily attended the prescribed course of study extending over one year subsequent to passing the Intermediate Examination.

The Part I Examination shall be held each year, in the Summer Term and in September. A candidate will not normally be permitted by the School to make his first entry in September. The examination consists of four written papers:

	<i>Study Guide Number</i>
1. Law of Tort	LL5041
2. Criminal Law	LL5040

3. French Civil Law (at King's College) unless a candidate is given special exemption by the School, in which case he must select a further paper from those listed under 4 below.
4. A course to the value of one subject selected from lists (i) and (ii) under Part I of the LL.B degree  
or An approved subject in French Government or History

A candidate who passes in three of the papers at the Part I Examination and fails in the remaining paper may be referred in that paper; if he satisfies the examiners in the paper in which he has been referred at either of the two next following Part I Examinations he is regarded as having passed the whole examination; otherwise he is required to take the whole of the Part I Examination again.

In exceptional cases the School may permit a candidate who fails to reach the minimum standard in two or more subjects in the examination in the Summer Term to re-enter for the whole examination in September of the same year.

In addition to the papers in regulation 13, each candidate will be required to follow the second year of the approved course of instruction in the French Language at the School and to achieve a satisfactory standard in the examination of the subject. A candidate who fails to achieve a satisfactory standard in the examination of French language yet passes the Part I Examination may be permitted by the School to transfer to the LL.B. degree, entering the third and final year of the course in the following session.

#### DIPLOMA

A candidate is eligible to present himself for the examination of the Diploma after having satisfactorily attended the prescribed course of study at the University of Strasbourg. The examination consists of courses to the value of three and a half subjects drawn from the following lists, which may be amended from time to time. Each candidate is required to follow the Introduction à L'étude du droit à Droit Civil (Personnes, Familles, Capacité), whether or not the candidate elects to take this course.

##### WHOLE SUBJECT COURSES

Introduction à L'étude du droit à Droit Civil (Personnes, Familles, Capacité)  
Droit Civil (Obligations, Biens et Propriété)  
Droit Constitutionnel et Institutions Politiques  
Droit Administratif  
Droit Commercial

##### HALF-SUBJECT COURSES

Droit Institutionnel Communautaire (this course may not be taken by a candidate who has followed the course of Introduction to European Law in Part I)  
Histoire des Idées Politiques jusqu'en 1789  
Libertés Publiques  
Histoire du Droit (Droit Privé ou Droit de Travail, Famille, Obligations)  
Droit Privé Allemand  
Introduction au Droit Comparé

A candidate who does not take or fails to pass the examination for the Diploma in circumstances certified by the authorities of the University of Strasbourg and regarded by the School as being equivalent to those which would have qualified him for the award of an Aegrotat on a degree course at the University of London, may be permitted by the School to continue his course for the LL.B. with French Law. Any other candidate who does not take or fails the examination will not be allowed to continue his course but may be permitted to transfer to the LL.B. degree and enter the final year of study and examination. In such a case the marks obtained by the candidate in the Part I Examination shall be made available to the examiners for the LL.B. degree.

#### PART II EXAMINATION

A candidate is eligible to present himself for the Part II Examination after having satisfactorily attended the prescribed course of study extending over not less than one academic year subsequent to passing the Part I Examination and the Diplôme d'Etudes. The Part II Examination is normally held once each year in May or June.

The examination consists of Jurisprudence and courses to the value of three subjects selected from the list of subjects available at Part II of the LL.B. degree, as amended from time to time. A candidate may not select more than four half-subject courses. A candidate who has followed the half-subject course Droit Institutionnel Communautaire for the Diploma may not select Introduction to European Law.

Successful candidates are awarded *either (a) First Class Honours, or (b) Second Class Honours, or (c) Third Class Honours, or (d) a Pass Degree.* The Second Class Honours list is divided into an Upper and a Lower Division. The names appear on the Pass List in alphabetical order in each division.

## Degree of Bachelor of Laws with German Law

The degree is part of a collaborative agreement between the L.S.E. and the University of Marburg, where the third year course is taken.

The examination for the degree consists of two parts, namely Part I and Part II. In order to qualify for admission to the course leading to the Part II examination a candidate is required to pass the certifying examination conducted by the University of Marburg (hereinafter called the Certifying Examination).

Candidates are required to enter the examinations at the School by applying to the Examinations Office of the School. Candidates who are not registered as full-time or part-time students at the School are required to pay a fee on entry or re-entry to an examination. Details are available on request from the Examinations Office.

The examiners may require any candidate at the Intermediate, Part I and Part II Examinations to present himself for an oral examination, and an oral examination shall be compulsory for any candidate offering an essay.

### INTERMEDIATE EXAMINATION

A candidate is eligible to present himself for the Intermediate Examination after having satisfactorily attended the prescribed course of study at the School extending over not less than one academic year.

The Intermediate Examination shall be held twice each year in the Summer Term and in September. A candidate will not normally be permitted by the School to make his first entry to the examination in September. The examination consists of four written papers in the following subjects.

<i>Paper Number</i>	<i>Paper Title</i>	<i>Study Guide Number</i>
1.	Public Law	LL5003
2.	Law of Contract	LL5001
3.	Law of Property I	LL5002
4.	English Legal System	LL5000

In addition, each candidate is required to follow the first year of an approved course of instruction in the German Language at the School.

A candidate who passes in three of the papers at an Intermediate Examination and fails in the remaining paper may be referred in that paper; if he satisfies the examiners in the paper in which he has been referred at either of the two next following Intermediate Examinations he is regarded as having passed the whole examination; otherwise he is required to take the whole of the Intermediate Examination again.

In exceptional cases the School may permit a candidate who fails to reach the minimum standard in two or more subjects in the examination in the Summer Term to re-enter for the whole examination in September of the same year.

A candidate who has passed the Intermediate Examination may be permitted by the School to transfer to the LL.B. Degree.

### PART I EXAMINATION

A candidate is eligible to present himself for the Part I Examination after having satisfactorily attended the prescribed course of study extending over one year subsequent to passing the Intermediate Examination.

The Part I Examination shall be held each year, in the Summer Term and in September. A candidate will not normally be permitted by the School to make his first entry in September. The examination shall consist of four written papers:

<i>Paper Number</i>	<i>Paper Title</i>	<i>Study Guide Number</i>
1.	Law of Tort	LL5041
2.	Criminal Law	LL5040

*Paper Number*

*Paper Title*

3. German Civil Law unless a candidate is given special exemption by the School, in which case he must select a further paper from those listed under 4 below.
4. A course to the value of one subject selected from lists (i) and (ii) under Part I of the LL.B. degree  
or An approved subject in German Government or History

A candidate who passes in three of the papers at the Part I Examination and fails in the remaining paper may be referred in that paper; if he satisfies the examiners in the paper in which he has been referred at either of the two next following Part I Examinations he is regarded as having passed the whole examination; otherwise he is required to take the whole of the Part I Examination again.

In exceptional cases the School may permit a candidate who fails to reach the minimum standard in two or more subjects in the examination in the Summer Term to re-enter for the whole examination in September of the same year.

In addition to the papers in regulation 13, each candidate will be required to follow the second year of the approved course of instruction in the German Language at the School and to achieve a satisfactory standard in the examination of the subject. A candidate who fails to achieve a satisfactory standard in the examination of German language yet passes the Part I Examination may be permitted by the School to transfer to the LL.B. degree, entering the third and final year of the course in the following session.

### CERTIFYING EXAMINATION

A candidate will pass the Certifying Examination by presenting written work and undergoing oral examination to the required standard in the Courses and by presenting written work to the required standard in the Exercises.

In each semester the student shall take Courses and Exercises in the following lists to the value of at least 12 hours per week.

<i>Courses</i>	<i>Exercises</i>
General Part of the Civil Code	Introductory Exercises in Civil Law
Law of Obligation II	(Propädeutische Übungen in
Constitutional Law I	Bürgerlichen Rechts)
Such other courses as may be approved by the Law Faculty, University of Marburg	Civil Code Exercises (Part I)
	Essay on a subject in German Law

A candidate who does not take or fails to pass the Certifying Examination in circumstances certified by the authorities of the University of Marburg and regarded by the School as being equivalent to those which would have qualified him for the award of an Aegrotat on a degree course at the University of London, may be permitted by the School to continue his course for the LL.B. with German Law. Any other candidate who does not take or fails his examination will not be allowed to continue his course may be permitted to transfer to the LL.B. degree and enter the final year of study and examination. In such a case the marks obtained by the candidate in the Part I Examination shall be made available to the examiners for the LL.B. degree.

### PART II EXAMINATION

A candidate is eligible to present himself for the Part II Examination after having satisfactorily attended the prescribed course of study extending over not less than one academic year subsequent to passing the Part I Examination and the Certifying Examination. The Part II Examination is normally held once each year in May or June.

The examination consists of Jurisprudence and courses to the value of three subjects selected from the list of subjects available at Part II of the LL.B. degree, as amended from time to time. A candidate may not select more than four half-subject courses.

Successful candidates are awarded *either* (a) First Class Honours, *or* (b) Second Class Honours, *or* (c) Third Class Honours, *or* (d) a Pass Degree. The Second Class Honours list is divided into an Upper and a Lower Division. The names appear on the Pass List in alphabetical order in each division.

## B.A. Honours in History (Branch II: Mediaeval and Modern)

This is a University-based course, taught and examined inter-collegiately. School candidates for the degree belong to the Department of International History, a considerable part of whose teaching is directed towards the degree.

*The following is only a summary: full details are given in the list of Syllabuses and Courses approved by the Board of Studies in History (the White Pamphlet), a copy of which is given to each student for the degree annually.*

The examination will consist of eight papers, up to three of which may be taken in the penultimate session of the candidate's course of study with the permission of the School. Honours classes will be awarded on a range of nine marks, comprising the marks obtained in the eight papers together with the ninth mark in the form of a Departmental Assessment which will reflect the Department's estimate of a candidate's performance in the last two years of his course.

Paper Number	Paper Title	Study Guide Number
1-5 Five of the following papers, to include three at least from Groups A and B, of which one shall be from Group A, one from Group B, and the third from either Group.		
Groups A and B: <i>The School offers teaching for all of the papers</i>		
A1.	British History down to the end of the 14th century. The paper will be divided into two sections. Candidates must answer at least one question from each section	Hy3420
A2.	British History from the beginning of the 15th century to the middle of the 18th century. Candidates may select questions from any two or from all three sections of the paper, which will be divided chronologically.	Hy3426
A3.	British History from the middle of the 18th century. Candidates may select questions from any two or from all three sections of the paper, which will be divided chronologically	Hy3435
B1.	European History from 400 to 1200	Hy3450
B2.	European History from 1200 to 1500	Hy3453
B3.	European History from 1500 to 1800	Hy3456
B4.	European History from 1800	Hy3465

Group C: *the School offers teaching for those papers indicated.*

*Teaching for the remainder is available in other schools and Colleges of the University*

C1.	History of Political Ideas. The paper will be divided into two sections: (a) European (b) South Asian Section (a) will be further divided: (i) questions related to the recommended texts; (ii) questions on the relations of European political ideas to their historical context.	Gv3150
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Candidates must attempt at least one question from each of the sub-sections (a) (i) and (a) (ii).

The following papers may be selected only subject to the approval of the School:

- C2. Any one of the papers A1-A3 in Branch 1B, or of the first three papers in one of the Branches III, IV, V and VII or of papers A1-A4 in Branch VI, or of the first two papers in Branch VIII

- C3. History of the U.S.A. since 1783  
 C4. History of Latin America from the middle of the 18th century  
 C5. History of the British Empire and Commonwealth. The paper will be divided into three sections at 1783 and 1880. Candidates may select questions from any two or from all three sections.  
 C6. History of Europe Overseas, 1492–1900  
 C7. World History from the end of the 19th century  
 6. An Optional Subject: *the School offers teaching only for those papers indicated; teaching for the remainder is available in other Schools and Colleges of the University* Hy3510  
 7 & 8. A Special Subject: *the School offers teaching only for those papers indicated; teaching for the remainder is available in other Schools and Colleges of the University* EH1770, Hy3580, Hy3583, Hy3586

Special subjects will be examined by one three-hour paper normally including passages for comment prescribed texts and *either* by another three-hour paper *or* by an essay not exceeding 5,000 words *or* two essays of not more than 2,500 words each. Such essays which shall refer to tests and be fully documented, are to be on a topic or topics selected by the candidate and approved by his special subject supervisor and shall be submitted through the School by 31 March in the year a candidate completes his Final examination. Such essays should normally be typewritten. The method of examination to be adopted for any particular subject in any year will be subject to approval by the University.

In addition to the above papers there is a language requirement. The School has to certify *either* that the candidate has taken a language test in one or more foreign languages *or* that the candidate has taken a course in a foreign language. This year it has been decided that all students at the School will be required to take a language course, further details of which will be given in the first week of the Michaelmas term (see also the *White Pamphlet*).

## Advantages and Concessions in Professional Training Granted to Holders of First Degrees ACCOUNTANCY

### Institute of Chartered Accountants in England and Wales

In order to qualify as a chartered accountant, a three-year period under a training contract with a firm of chartered accountants is necessary. Graduates who have taken an 'approved degree' are entitled also to exemption from the Institute's foundation examination. At the School, the course leading to the 'approved degree' is the course for the B.Sc. (Econ.) with the special subject Accounting and Finance (provided economics is taken at Part I). Partial exemption may be given to graduates who have taken other courses which include law, economics or statistics.

Further information may be obtained from the Secretary, Institute of Chartered Accountants in England and Wales, P.O. Box 433, Chartered Accountants' Hall, Moorgate Place, London, EC2P 2BJ.

### Institute of Chartered Accountants of Scotland

The 'approved degree' (see above) is recognised by the Institute of Chartered Accountants of Scotland as a preliminary qualification under their requirements.

Further information may be obtained from the Institute of Chartered Accountants of Scotland, 27 Queen Street, Edinburgh, EH2 1LA.

### Institute of Chartered Accountants in Ireland

Certain exemptions are granted by the Institute to graduates.

Further information may be obtained from the Director of Education of the Institute, 7 Fitzwilliam Place, Dublin 2.

### Association of Certified Accountants

Students of the Association are not obliged to serve under a training contract, but may as an alternative obtain experience of an approved accounting nature in the finance or accounting department of a commercial or industrial company, in one of the nationalised industries, in national or local government or in the office of a practising accountant. The period of approved training for graduates is three years and may be undertaken before, after or at the same time as study for the professional examinations. Various exemptions are given from the Association's examinations to those who have taken the 'approved degree' (see above) or relevant subjects in other degrees.

Further information may be obtained from the Academic Services Department of the Association, 29 Lincoln's Inn Fields, London, WC2A 3EE.

### Institute of Cost Management Accountants

Students obtain their practical training in industry. Various exemptions are given from the Institute's examinations to those who have taken the 'approved degree' (see above) or relevant subjects in other degrees.

Further information may be obtained from the Technical Director — Education and Training, The Institute of Cost and Management Accountants, 63 Portland Place, London, W1N 4AB.

### The Chartered Institute of Public Finance and Accountancy

Students obtain their practical training in public service or enterprise. Graduates may be granted various exemptions from the Institute's examinations on the basis of papers taken at degree examinations.

Further information may be obtained from the Secretary, The Chartered Institute of Public Finance and Accountancy, 1 Buckingham Place, London, SW1E 6HS.

Further information on all of the above is given in the pamphlet *Approved Courses for Accountancy Education*, obtainable from the Board of Accreditation of Educational Courses, 399 Silbury Blvd., Witan Gate East, Central Milton Keynes, MK9 2HL and

also from the Assistant Registrar (Registry and Undergraduate Admissions) at the School.

## LAW

### The Bar

The Council of Legal Education will normally grant to a student who has obtained a second class degree in law from The London School of Economics, exemption from entering for the whole of Part I of the examination for call to the Bar. The conditions concerning such exemptions are set out in the Consolidated Regulations of the Honourable Societies of Lincoln's Inn, the Inner Temple, the Middle Temple, and Gray's Inn. A candidate seeking admission to the Bar must take the Bar Part II. A person who holds a degree in a subject other than law will have to take a one year course for the Common Professional Examination. Full details may be obtained from the Council of Legal Education, Gray's Inn Place, London, WC1R 5DX. See also the pamphlet published annually by the Law Department on prospects in the profession and elsewhere for law graduates and on methods of qualification.

### The Profession of Solicitor

Candidates seeking to qualify as solicitors must serve under articles of clerkship to a practising solicitor and pass the Law Society's examinations. The period of articles for candidates who have taken a degree at an approved university is two years. Any first degree of the University of London qualifies for this purpose.

In most cases law graduates are wholly exempt from Part I of the Law Society's qualifying examination (now called the Common Professional Examination) and may sit for Part II of the qualifying examination (now called the New Final) before entering into articles. Holders of degrees in subjects other than law may sit for both Parts of the Law Society's qualifying examination before entering into articles. Further details may be obtained from The Law Society, 113 Chancery Lane, London, WC2A 1PL. See also the pamphlet published annually by the Law Department on prospects in the profession and elsewhere for law graduates and on methods of qualification.

## ACTUARIAL PROFESSION

The School provides teaching over the full range of topics involved in academic preparation for an actuarial career, viz. mathematics, statistics and economics, accounting and finance as well as professional actuarial subjects. Students can be in touch with the Institute of Actuaries (whose offices are only a short walk from the School) during their course and can gain exemptions from the A level examinations of the Institute by performing sufficiently well in the corresponding degree examinations.

All six examinations at the first level (the A-examinations) of the Institute are covered by students taking the main field Actuarial Science in the B.Sc. degree. Within the B.Sc. (Econ.) complete coverage may be obtained by a suitable choice of options within the Special Subject Statistics. Further information may be obtained from the School or from the Institute of Actuaries, Staple Inn Hall, High Holborn, London, WC1V 7QJ.

## The Graduate School and Regulations for Diplomas and Higher Degrees

**General Note:** The School prepares students for degrees of the University of London. It has no power to award its own degrees.

In its inception the London School of Economics was dedicated to research and advanced studies; and throughout its existence, the Graduate School, which is one of the largest of its kind in the country, has constituted a major division of its activities.

In the session 1984/85, about 1900 students were registered in the Graduate School either for systematic work for different higher degrees, or for shorter visits and special enquiries. The greater number of registered graduates work for the higher degrees of London University or for Diplomas, but qualified applicants are admitted to do research under supervision without working for a degree.

At the present time the work of the Graduate School falls into two parts — advanced training and research.

For advanced training, the School provides lectures, classes, seminars and individual supervision for students who wish to take a University of London Master's degree by examination or a Diploma (see below). Such training is specifically designed to carry further specialisations commenced during work for a first degree, and to provide professional competence in the subject in which it is given.

For research, unique facilities are provided by the close proximity of the School to the centres of government, business and law, and by its ease of access to the British Museum which, with the School's own large library, comprise perhaps the richest depository in the world of material relating to the social sciences.

Graduate students wishing to register for the University of London's research degrees will be expected as a general rule to have attained the level of competence required by the one-year Master's degree. At this stage they have the opportunity of proceeding, according to their competence, either to the M.Phil., which involves a relatively short dissertation, or to the Ph.D., which involves a dissertation of more substantial dimensions. Students who are thus registered are attached to individual supervisors, who at all stages will be responsible for advising them on the planning and execution of their research.

A separate handbook, *The Graduate School*, issued each session, is available. It contains a fuller description of facilities at the School for graduate students.

Postal enquiries about admission to the Graduate School should be addressed to the Secretary of the Graduate School. Applicants enquiring in person should call at the Graduate School Admissions Office. Applications for admission must reach the School on the prescribed form. As preliminary correspondence is often necessary, applicants are advised to make first enquiries well in advance.

### Degrees

The degrees of the University of London for which graduate students may register at the London School of Economics are as follows:

- (a) Doctor of Philosophy (Ph.D.)
- (b) Master of Philosophy (M.Phil.)
- (c) Masters' Degrees:
  - Master of Arts (M.A.)
  - Master of Science (M.Sc.)
  - Master of Laws (LL.M.)

### Diplomas

Students are registered in the Graduate School for all Diplomas awarded by the School, and for the University of London Diplomas in Law and in International Law.

**Research Fee Registration**

As indicated earlier the School accepts for registration students wishing to visit the School for short periods to undertake research or studies not leading to the award of a School or University qualification. Such students carry out their research under the guidance of a supervisor and may attend relevant lectures and seminars recommended by their supervisor. They may be allowed to take examinations, the results of which may be made available; certificates of attendance are available on request. Admission will depend upon the applicants' possessing academic qualifications which, in the opinion of the Graduate School Committee, are adequate for the course of study or research proposed; it will also depend upon places being available. Unless some other period is specified in the School's letter of acceptance, registrations under the Research Fee are valid for one session only and students so registered should apply to the Graduate School Office before the end of the session if they wish to be considered for re-registration for all or part of the following session.

**The Higher Doctorates**

The School does *not* register candidates for higher doctorates. Only London graduates are eligible to apply for these doctorates and all candidates interested should communicate directly with the Academic Registrar at the University of London, Senate House, London WC1E 7HU.

**External Higher Degrees**

All arrangements for external degrees are made through the External Department, Senate House, Malet Street, London WC1E 7HU. Occasionally arrangements may be made for External research degree students to register at the School under the Research Fee arrangement (see above) in the same manner as students preparing for research degrees of other universities. Candidates so accepted must conform to the appropriate School and University Regulations and, while registered at the School must pay the same tuition fees as candidates registered for internal degrees.

The School reserves the right at all times to withdraw or alter particular courses or course syllabuses.

**Regulations for Higher Degrees of the University of London**

The principal provisions of the University's Regulations, as they most commonly affect students at the School, are described below. In general, students deal with the University through the Graduate School (except in matters to do with the detailed arrangements for examinations for the University's degrees). However, it is the responsibility of all students registered for a degree of the University of London to acquaint themselves with the relevant Regulations of the University, a copy of which may be obtained from the Graduate School Office or from the University.

**Qualifications for Admission to the Graduate School**

The minimum qualifications required to establish eligibility for admission to a Diploma course are described in the Regulations for each Diploma (below).

The University of London lays down the following minimum entrance requirements for admission to its higher degrees:

- (a) A Second Class Honours degree of a UK university of the C.N.A.A. or an overseas qualification of an equivalent standard obtained after a course of study extending over not less than three years in a university (or educational institution of university rank) in a subject appropriate to that of the course to be followed: or

- (b) A professional qualification obtained by written examination and approved by the University as an appropriate entrance qualification for the Master's degree course in question.

The School may consider for registration candidates who possess a degree, or overseas qualification of equivalent standard obtained after a course of study extending over not less than three years in a University (or educational institution of University rank), in a subject appropriate to that of the course to be followed *and* who, although they do not meet the normal entry standard defined in (a) above, yet by evidence of their background and experience satisfy the School as to their fitness to follow the course. Where such candidates cannot present evidence that they possess the necessary background and experience they may be considered by the School for registration provided that the School so determines and provided also that they pursue the course for a period at least one year longer than the minimum period prescribed in the individual course regulations in order that they may, in the initial stages of that longer period attain the standard normally expected for registration.

The School may apply to the University for special consideration to be given to an applicant without the minimum qualifications who offers instead other qualifications obtained by written examination (this may be done in cases where the applicant has, for example, considerable work experience relevant to the proposed area of study).

N.B. There are many more applications than places available, and the School usually specifies conditions of admission over and above the minimum requirements. Possession of the minimum qualifications as defined above is not in itself accepted as evidence that applicants possess sufficient knowledge and training to study the subject at the standard proposed. Every application is considered on its merits, and applicants may be required to attend an additional course and/or to pass a qualifying examination before or during the course.

**Registration, Attendance and Course of Study**

1. It is essential that all students while pursuing a course of study as internal students should be prepared to attend personally for study at the School during the ordinary terms at such time or times as their supervising teachers may require. All graduate students are therefore required to be resident within normal daily travelling distance of central London during term time.
2. If students do not register at the beginning of the session, serious administrative difficulties may be caused. If a candidate who has been offered admission for October fails to register at the School by 30 October, without adequate reasons and without informing the School in advance of his inability to register in time, the offer of admission will be automatically cancelled.
3. Students accepted by the School must be registered with the University as soon as they start their courses at the School. As part of this process, students must complete a registration form and return it to the Graduate School Office, where they must also show satisfactory *official* evidence of their qualifications.
4. The School must register students with the University not later than three months after the date on which the course is begun. Retrospective registration may be allowed in some circumstances, particularly where the student has already been registered in the Graduate School. There is no provision for retrospective registration for a taught Master's degree. Only in exceptional circumstances may retrospective registration towards another degree be allowed for any period spent on a taught Master's degree.
5. *Part-time registration* at the School is intended for those who, by reason of outside employment or other duties, must spread their course over a longer than normal period in order to be able to attend the relevant teaching and to complete the minimum course of study.

Before students are permitted to register part-time, they must supply adequate evidence as to the nature and hours of their employment or other outside commitments,

which should normally amount to at least 15-20 hours per week in the London area, in term-time. It is not normally possible for overseas students to obtain admission to Britain to study on a part-time basis.

6. *Full-time students* may be permitted by the School, on the recommendation of their supervisors, to undertake a limited amount of *paid employment* relevant to their studies. It must be made clear, however, that continued registration at the School depends on satisfactory attendance and progress, and that full-time students should be primarily committed to their studies. If other commitments seriously affect their studies, their continued registration at the School might be jeopardized.

Grant-awarding bodies may have their own rules as to the amount of paid employment which may be undertaken by students holding their awards; the School will not permit award-holders to undertake paid employment in contravention of such rules.

7. A qualifying or preliminary examination may be imposed after registration, as a condition of being allowed to enter for the degree examination. Students upon whom such a condition has been imposed will normally be required to sit the qualifying examination at least one year before they enter for a degree examination (or submit a thesis). Students failing to pass this qualifying examination will not be permitted to re-enter for it without the permission of the School.

## Diploma Courses

The School offers tuition for a number of Diplomas, mostly awarded by the School (except those in Law and International Law, which are awarded by the University of London) for persons holding a university degree or other qualification approved by the School. School Diplomas are normally examined in June by means of formal written examination papers: these may be supplemented by essays, and examiners may test any candidates by means of oral questions. The University Diplomas in Law and International Law are examined by means of a dissertation; and the Diploma in International Law may also be examined in August/September by means of three formal written examination papers.

### The Course of Study

The course of study will, according to subject, extend over not less than one academic year for full-time students, or two academic years for part-time students. Occasionally, students may be asked to attend for a preliminary year's preparation and to pass a qualifying examination before being allowed to proceed to the Diploma course. Students will not normally be accepted for a Diploma course which is deemed to be substantially similar in content to one which they have already taken at the School.

Details of the various courses offered at the School for a Diploma are contained in the following pages. N.B. Where the Regulations for a course indicate that special permission is required for a student to take a particular subject or combination of subjects, such permission must be sought at the beginning of the course of study.

A candidate who fails in the examination will not normally be re-admitted to the School, but may re-enter the examinations once more without being registered at the School. Special arrangements apply to candidates for the Diplomas in Social Policy and Administration and in Social Planning in Developing Countries, and to those candidates for the University Diplomas in Law and International Law who are examined by means of a dissertation.

### Examination Arrangements

#### *Entry for Examination*

The arrangements for examination entry are described in the section "Dates of Examinations". Forms for re-entry to examinations will not be issued automatically; candidates must ask for them in late January. Candidates are bound by the Regulations in force at the time of their re-entry to the examination. Candidates re-entering for examinations will be required to enter for the same examinations as they entered for previously, unless they have satisfactorily completed courses for different examinations.

#### *Withdrawal from Examination and Illness at the Examinations*

Full instructions on the procedure to be followed if a candidate wishes to withdraw, or is prevented by illness or other good cause from attending the examination, are supplied with the examination entry form. Generally speaking, candidates should, in their own interests, inform the Graduate School Office as early as possible and ask for advice as to their position.

#### *Appointment of Examiners for School Diplomas*

The examination shall be conducted by such members of the staff of the School as may be designated as internal examiners in each year by the Director, together with one or more external examiners. All the external examiners shall be persons who at the time of the examination are not members of the staff of the School. They shall be appointed by the Academic Board and shall be eligible for re-appointment for two further years, but for three calendar years thereafter shall not be again eligible for appointment.



**Notification of Results**

After the examiners have reached a decision, every candidate for a School Diploma will be notified of the result by the Secretary of the Graduate School. For some Diplomas, grades of Distinction, Merit and Credit are awarded, and are also published for the individual components of the examination; in others, the only grade awarded is a mark of Distinction to candidates showing exceptional merit in the examination, and for these Diplomas results are not published for the individual components of the examination. A Diploma bearing the seal of the School and indicating any grade awarded is sent to every candidate awarded a School Diploma.

N.B. The School reserves the right to withhold, or to ask the University to withhold the award of a Diploma to a candidate owing fees to the School.

**Study Guides**

In the regulations which follow a Study Guide number is printed opposite each examination paper. The Study Guides are printed in detail in Part III of the Calendar, with a general explanation on page 342. Students should first read the regulations for their particular Diploma, to see the rules governing their choice of examination subjects. They should then refer to the Study Guides, which in turn refer to the lecture and seminar series listed in the Sessional Timetable (published separately).

**Diploma in Accounting and Finance**

The examination shall comprise the following five papers:

Paper Number	Paper Title	Study Guide Number
1 & 2. Two of the following:		
(a)	(i) Elements of Accounting and Finance	Ac1000
	or (ii) Financial Accounting	Ac1122
(b)	Managerial Accounting	Ac1021
(c)	Financial Decision Analysis	Ac1123
3,4 & 5. Three of the following:		
(a)	(i) Economics A ( <i>candidates will be expected to take A2</i> )	Ec1400
	or (ii) Economic Principles	Ec1425
	or (iii) Economics of Industry	Ec1451
	or (iv) Monetary Systems	Ec1514
(b)	(i) Basic Statistics	SM7200
	or (ii) Introduction to Econometric and Economic Statistics	Ec1430
(c)	(i) Basic Mathematics for Economists	Ec1415
	or (ii) Elements of Management Mathematics	SM7340
(d)	Commercial Law	LL5060
(e)	(i) Industrial Relations	Id3220
	or (ii) Organizational Theory and Practice	Id3221
(f)	(i) General Computing	SM7301
	or (ii) Elements of Computer Science	SM7300
(g)	Modern British Business in Historical Perspective 1900-1980	EH1660
(h)	Any other paper approved by the Convener of the Department of Accounting and Finance	

The choice of options is subject to the approval of the Convener, who may also permit alternative papers to be offered where the candidate is already proficient in one or more of the above subjects.

Part-time students may take two or three papers at the end of the first year of their course and the remainder at the end of the final year of their course.

**Diploma in Business Studies****Examination**

The examination shall consist of four papers from the following:

Paper Number	Paper Title	Study Guide Number
1 & 2 & 3. Three of the following:		
(a)	(i) Elements of Accounting and Finance	Ac1000
	or (ii) Managerial Accounting	Ac1021
	or (iii) Financial Decision Analysis	Ac1123
(b)	(i) Economics A2	Ec1400
	or (ii) Economic Principles	Ec1425
	or (iii) Economics of Industry	Ec1451
(c)	Commercial Law	LL5060
(d)	(i) Organisation Theory and Practice	Id3221
	or (ii) Industrial Relations	Id3220
4. One of the following:		
(a)	(i) Basic Statistics	SM7200
	or (ii) Elements of Management Mathematics	SM7340
	or (iii) General Computing	SM7301
	or (iv) Elements of Computer Science	SM7300
	or (v) Another approved paper from the Department of Statistical and Mathematical Sciences	
(b)	Modern British Business in Historical Perspective 1900-1980	EH1660
(c)	Any other paper approved by the candidate's teachers	
and		
II.	An essay of not more than 5,000 words on an approved topic	Id4250

The choice of options is subject to the approval of the School, which may also permit alternative papers to be offered where the candidate is already proficient in one or more of the above subjects.

Part-time students may take one or two papers at the end of the first year of their course and the remainder at the end of the second year of the course.

**Diploma in Criminal Justice**

The examinations will comprise three papers as follows:

Paper Number	Paper Title	Study Guide Number
1.	Criminology	LL5185
2.	Sentencing and the Penal Process	LL5186
3.	English Criminal Law	LL5187

Exceptionally, with the approval of the School, candidates may be permitted to substitute for one of the papers listed above, a paper on Comparative Criminal Law and Procedure, or any other appropriate paper for which teaching is offered at the School. A student may also, with the approval of his supervisor and at the discretion of the examiners, substitute an essay of not more than 10,000 words, which must be submitted by 15 May, for one of the above papers.

Part-time students may take one or two papers at the end of the first year of their course and the remainder (including the essay) at the end of the second year.

### Diploma in Econometrics

The examination shall comprise four papers as listed below, options being selected with the approval of the candidate's supervisors. Candidates would normally be required to take papers 3(a) and 4(a) as listed below unless a course of study in these subjects had already been satisfactorily completed.

Paper Number	Paper Title	Study Guide Number
1.	Econometric Theory	Ec1575
2.	Topics in Quantitative Economics	Ec1579
3.	(a) Principles of Economics Treated Mathematically	Ec1426
	or (b) Any other approved paper	
4.	One of the following:	
	(a) Probability, Distribution Theory and Inference	SM7220
	(b) Mathematical Methods	SM7020
	(c) Any other approved paper	
	(d) With the approval of the teachers concerned, a course of study examinable by means of a project	Ec1598

Part-time students may take one or two papers at the end of the first year of their course and the remainder at the end of the second year of their course.

### Diploma in Economics

The examinations shall comprise four papers selected with the approval of the candidate's supervisor from the list below.

**Note:** Candidates who wish subsequently to be considered for the M.Sc. in Economics at the School will normally be expected to choose the following options under 2, 3 and 4 below (in addition to Paper 1): *one* of the mathematics papers listed in (a), *one* of the statistics papers listed in (b), and *one* of (c), (f), (g), (h), (i), (m) or (p). (This requirement may be waived where candidates can satisfy their supervisors that they have already reached the required standard in a particular paper or papers.)

Paper Number	Paper Title	Study Guide Number
1.	(a) Economic Principles	Ec1425
	or (b) Principles of Economics Treated Mathematically	Ec1426
	or (c) Advanced Economic Analysis	Ec1506
2, 3 & 4.	Three of the following:	
	(a) (i) Basic Mathematics for Economists	Ec1415
	or (ii) Elementary Mathematical Methods	SM7000
	or (iii) Elements of Management Mathematics	SM7340
	(b) (i) Basic Statistics	SM7200
	or (ii) Introduction to Econometric and Economic Statistics	Ec1430
	or (iii) Elementary Statistical Theory	SM7201
	or (iv) Principles of Econometrics	Ec1561
	(c) Introduction to Economic Policy	Ec1450
	(d) Problems of Applied Economics	Ec1500
	(e) Public Finance	Ec1507
	(f) Monetary Systems	Ec1514
	(g) Principles of Monetary Economics	Ec1513

(h)	Labour Economics	Ec1452
(i)	Economics of Industry	Ec1451
(j)	Elements of Accounting and Finance	Ac1000
(k)	Theory of Business Decisions	Ec1453
(l)	History of Economic Thought	Ec2425
(m)	Economic Development	Ec1521
(n)	Economic Institutions Compared	Ec1454
(o)	Planning	Ec1527
(p)	International Economics	Ec1520
(q)	Game Theory	SM7025
(r)	An approved paper in Economic History	—
(s)	Any other paper inside or outside the Department of Economics approved by the candidate's teachers	

Part-time students may take one or two papers at the end of the first year of their course and the remainder at the end of the second year of the course.

### Diplomas in Geography

The examination shall comprise papers on four subjects selected with the approval of the department from the list below. Candidates for the Diploma in Economic Geography are required to include at least *two* papers in that field (marked (E) in the list below); candidates for the Diploma in Urban and Social Geography are required to include at least *two* papers from the fields of urban and social geography (marked (U) in the list below).

Paper Number	Paper Title	Study Guide Number
1.	One of the following:	
	(a) Methods in Geographical Analysis	Gy1816
	(b) Basic Economic Geography (E)	—
	(c) Urban Geography (U)	Gy1822
	(d) Social Geography: Spatial Change and Social Process (U)	Gy1821
	(e) Man and his Physical Environment (E)	Gy1808
2, 3 & 4.	Three of the following:	
	(a) A further paper from (1) above	
	(b) Comparative Studies in Spatial Policy (U)	Gy1931
	(c) Social Geography of Urban Change (U)	Gy1929
	(d) Spatial Aspects of Economic Development (E)	Gy1920
	(e) Advanced Economic Geography: Agriculture (E)	Gy1921
	(f) Economics and Geography of Transport (E)	Ec1544
	(g) Urban and Regional Planning (U)	Gy1926
	(h) Resource and Environmental Management (E)	Gy1943
	(i) Transport: Planning and Environment (E)	Gy1942
	(j) An approved regional study	Gy1875
	(k) Any other subject approved by the candidate's teachers	

Part-time students may take one or two papers at the end of the first year of the course and the remainder at the end of the second year.

## Diploma in Housing

The course shall last for two years, and shall include examinations comprising the following:

Paper Number	Paper Title	Study Guide Number
I	At the end of the first year, <i>four</i> written papers as follows:	
1	Social Policy and Social Structure	SA6771
2	Legal Framework of Housing Studies	SA6772
3	Housing Economics and Housing Finance	SA6773
4	Housing Policy and Administration	SA6770
II	At the end of the second year, <i>three</i> written papers and an essay as follows:	
5	Management Studies and Environmental Psychology	SA6780
6	Building Studies	SA6781
7	Housing Planning and Urban Development	SA6782
8	An essay of not more than 5,000 words on an approved topic	SA6783
and III	Satisfactory completion of 16 weeks' fieldwork during the first year, of a year's work as a housing trainee in an appropriate agency in the second year, and of related coursework as directed by the course tutor.	

Candidates are normally required to pass Part I before proceeding to the final year of the course. If a candidate fails in one Part I paper but reaches the prescribed standard in each other paper, the examiners may, at their discretion and if they do not consider the failure to be serious, declare the candidate to be referred in that paper. An examination for candidates so referred will normally be held in the following August, but the examiners may allow the candidate to carry forward the referred paper to the Part II examinations. Candidates may offer a referred paper on one occasion only. Any candidate who fails more than one Part I paper will be required to take all four Part I papers in the following June. Candidates who fail any component of the Part II examinations (including a Part I paper in which they may have been referred) will be allowed to repeat the whole Part II examination on one occasion only.

## Diploma in International and Comparative Politics

The examination shall consist of four papers as follows:

Paper Number	Paper Title	Study Guide Number
1.	World Politics	IR4700
2,3 & 4	Three of the following:	
(a)	The Politics of International Economic Relations	IR3784
(b)	Strategic Aspects of International Relations	IR3782
(c)	Foreign Policy Analysis	IR3781
(d)	International Institutions	IR3783
(e)	Modern Political Thought: A Study of European Political Thought since 1770	Gv3122
(f)	History of British Politics in the Twentieth Century	Gv3021
(g)	The Politics and Government of a Foreign Country (one of USA, USSR, France, Germany, African States)	Gv3050-57
(h)	Any other subject approved by the candidate's teachers	

Part-time students may take two papers on completion of their first year and the remainder on completion of their final year.

## Diploma in International Law

The University of London awards a Diploma in International Law.

1. The course of study is open to:
  - (a) graduates of this or another university whose undergraduate courses and/or previous experience have included a substantial preliminary training in Law
  - (b) those who, although not graduates, have satisfied the University that their previous education in law qualifies them to rank on the same level as graduates admissible under the preceding paragraph.

Students are required to attend a course of study approved for the purpose by the University extending over not less than one session.
2. The examination will take place once in each year, beginning on or after 25 August. Every candidate entering for an examination must submit a completed entry form not later than 1 May.
3. A candidate may obtain the Diploma in International Law, *either*
  - A. by passing an examination consisting of three papers in:
    - I. Public International Law and/or Conflict of Laws
    - or II. three of the International Law subjects which, for the time being, can be offered for the Master of Laws Examination. (There shall be one paper in each subject)
    - or III. with the permission of the University, one of the International Law subjects which, for the time being can be offered for the Master of Laws Examination.
  - or
  - B. by submitting a dissertation, which must be written in English and must afford evidence of serious study by the candidate and of his ability to discuss a difficult problem critically.

**Note:** The subjects referred to under A. II and A. III above are, at present, the following:

- (a) Comparative Conflict of Laws
- (b) History of International Law
- (c) Law of International Institutions
- (d) Law of European Institutions
- (e) Air and Space Law I
- (f) Air and Space Law II
- (g) International Law of the Sea
- (h) The International Law of Armed Conflict and the Use of Force
- (i) International Economic Law
- (j) Legal Aspects of Defence Studies
- (k) Law of Treaties
- (l) Methods and Sources of International Law
- (m) European Community Law
- (n) Comparative Approaches to International Law
- (o) International Business Transactions
- (p) The International Protection of Human Rights

4. The subject of the dissertation must be submitted for the approval of the University not later than 15 April in the year in which the course of study is completed.

If the examiners consider that the dissertation submitted by the candidate, though inadequate is of sufficient merit to justify such action, they may, after examining the candidate as prescribed above, determine that he be permitted to re-present this dissertation in a revised form within one calendar year.

Candidates must forward two copies of the dissertation typewritten or printed and bound in the prescribed fashion and a short abstract (2 copies) of the dissertation comprising not more than 300 words. Candidates must submit their dissertations within one year of completing the course of study, together with an entry-form which must be duly filled in with the certificate of course of study thereon attested in accordance with the General Regulations for Approved Courses of Study.

5. Statutes and other Documents in the Examination Room: Candidates will be permitted to take into the examination room and use such statutes and other documents as may from time to time be prescribed by the Board of Examiners. The Board will prescribe.

- (a) the papers for which statutes and other documents may be taken in and used, and  
(b) the statutes and other documents that may be taken in and used.

Candidates should note that personal annotation on statutes or other material permitted to be taken into the examination is forbidden.

A list of candidates who have satisfied the examiners at the written examination arranged in alphabetical order, will be published by the Academic Registrar on 5 November.

A candidate who does not, at the first entry, successfully complete the written examination may re-enter the examination on one occasion, normally at the next following examination.

6. A certificate to be called the 'Diploma in International Law', under the seal of the University, will be delivered to each successful candidate.

### Diploma in Law

The University of London awards a Diploma in Law.

1. The course of study is open to:

- (a) graduates of this or another university whose undergraduate courses and/or previous experience have included a substantial preliminary training in Law  
(b) those who, although not graduates, have satisfied the School that their previous education in law qualifies them to rank on the same level as graduates admissible under the preceding paragraph.

Students are required to attend a course of study for the purpose by the University extending over not less than one session.

2. A candidate is required to submit a dissertation, which must be written in English and must afford evidence of serious study by the candidate and of his ability to discuss a difficult problem critically.

The subject of the dissertation must be submitted for the approval of the University not later than 15 April in the year in which the course of study is completed.

If the examiners consider that the dissertation submitted by the candidate, though inadequate is of sufficient merit to justify such action, they may, after examining the candidate as prescribed above, determine that he be permitted to re-present this dissertation in a revised form within one calendar year.

Candidates must forward two copies of the dissertation typewritten or printed and bound in the prescribed fashion and a short abstract (2 copies) of the dissertation comprising not more than 300 words. Candidates must submit their dissertations within one year of completing the course of study, together with an entry-form which must be duly filled in with the certificate of course of study thereon attested in accordance with the General Regulations for Approved Courses of Study.

3. A list of candidates who have satisfied the examiners, arranged in alphabetical order, will be published by the Academic Registrar on 5 November.

A certificate to be called the 'Diploma in Law', under the seal of the University, will be delivered to each successful candidate.

### Diploma in Logic and Scientific Method

The examination shall comprise three of the following papers. (Candidates will normally be required to take papers (a) and (b).)

Paper Number	Paper Title	Study Guide Number
(a)	Advanced Scientific Method	Ph6200
(b)	(i) Logic	Ph6201
or	(ii) Mathematical Logic	Ph6202
(c)	Advanced Mathematical Logic	Ph6203
(d)	History of the Philosophy of Science	Ph6204
(e)	Metaphysics and Epistemology	Ph6205
(f)	Philosophy of Mathematics	Ph6206
(g)	Growth of Modern Science	Ph6207
(h)	Philosophy of the Social Sciences	Ph6208
(i)	Theories of Probability	Ph6210

The choice of options is subject to the approval of the School.

Part-time students may take one or two papers at the end of the first year of their course and the remainder at the end of the second year.

### Diploma in the Management of Information Systems

The examination shall comprise three papers as follows to be taken in June.

1.	Systems Analysis and Design	SM7322
2.	(i) Elements of Computer Science	SM7300
or	(ii) Computing Methods	SM7320
3.	Information Systems in Developing Countries and a 10,000 word project to be submitted by 15 September.	SM8306 SM8301

### Diploma in Management Sciences

The examination shall comprise four papers, selected with the approval of the candidate's supervisor, drawn from at least three of the following groups:

Paper Number	Paper Title	Study Guide Number
Group I		
(a)	Operational Research Methods	SM7345
(b)	Model Building in Operational Research (not to be taken unless (a) is also taken)	SM7347

Group II		
(a)	Systems Analysis and Design	SM7322
(b)	Elements of Computer Science	SM7300
or (c)	Computing Methods	SM7320
Group III		
(a)	Statistical Techniques for Management Sciences	SM7230
(b)	Marketing and Market Research	SM7231
(c)	Basic Statistics	SM7200
or (d)	Elementary Statistical Theory	SM7201
Group IV		
(a)	Basic Mathematics for Economists	Ec1415
or (b)	Elementary Mathematical Methods	SM7000
or (c)	Mathematical Methods	SM7020
Group V		
(a)	Elements of Accounting and Finance	Ac1000
or (b)	Economics A	Ec1400
	<i>(candidates will be expected to take A2)</i>	
or (c)	Economics B	Ec1403
or (d)	Introduction to Mathematical Economics	Ec1408
or (e)	Organization Theory and Practice	Id3221
(f)	Computer Project	SM7321
	<i>(only to be taken if papers II(a) and (b) are also taken)</i>	

The choice of options is subject to the approval of the Convener, who may also permit alternative papers to be offered where the candidate is already proficient in one or more of the above subjects. A candidate may not offer a paper in which he or she has been examined at first degree level or its equivalent. A candidate who wishes to go on to an M.Sc. in the Department will be expected to follow an appropriate course of study in the Diploma. For example, candidates for the M.Sc. in Analysis, Design and Management of Information Systems will normally be expected to offer papers II(a), II(b) and V(f).

These conditions may be waived where the candidate's supervisor is satisfied that the candidate has already reached the required standard in a particular paper or papers.

Part-time students may take one or two papers at the end of the first year of their course and the remainder at the end of the second year of their course.

### Diploma in Operational Research

The examination shall comprise the following four papers:

Paper Number	Paper Title	Study Guide Number
1.	Operational Research Methods	SM7345
2.	Model Building in Operational Research	SM7347
3 & 4. Two of the following:		
(a)	(i) Elementary Statistical Theory	SM7201
	or (ii) Statistical Techniques for Management Sciences	SM7230
(b)	(i) Elementary Mathematical Methods	SM7000
	or (ii) Mathematical Methods	SM7020

(c)	(i) Elements of Computer Science	SM7300
	or (ii) Numerical and Symbolic Computing	SM7331
	or (iii) Computing Methods	SM7320
(d)	Game Theory	SM7025
(e)	Any other paper approved by the candidate's teachers	

The choice of options is subject to the approval of the Convener, who may also permit alternative papers to be offered where the candidate is already proficient in one or more of the above subjects. A candidate may not offer a paper in which he or she has been examined at first degree level of its equivalent. A candidate who wishes subsequently to be considered for the M.Sc. in Operational Research will normally be expected to include papers (a) and (b) under 3 and 4 above in his or her selection. This condition may be waived where the candidate's supervisor is satisfied that the candidate has already reached the required standard in a particular paper or papers.

Part-time students may take one or two papers at the end of the first year of their course and the remainder at the end of the second year of their course.

### Diploma in Social Philosophy

The examination shall comprise the following:

Paper Number	Paper Title	Study Guide Number
1.	Social Philosophy	Ph6250
2.	Philosophy of the Social Sciences	Ph6208
3.	One of the following:	
(a)	Logic	Ph6201
(b)	History of the Philosophy of Science	Ph6204
(c)	Metaphysics and Epistemology	Ph6205
(d)	An approved paper in Social Anthropology	
(e)	An approved paper in Sociology	
(f)	Any other paper approved by the candidate's teachers	

The choice of options is subject to the approval of the School. Candidates may be permitted to substitute for paper 2 a further paper listed under 3 above.

Part-time students may take one or two papers at the end of the first year of their course and the remainder at the end of the second year.

### Diploma in Social Planning in Developing Countries

The examination will comprise three papers as follows:

Paper Number	Paper Title	Study Guide Number
1.	Social Philosophy and Planning in Developing Countries	SA6740
2. & 3. Two of the following:		
(a)	Problems of Health and Disease	SA6741
(b)	Planning of Welfare Services	SA6742
(c)	Rural Development	SA6743
(d)	Social and Economic Aspects of the Housing System	SA6744
(e)	Social Implications of Education	SA6745

In assessing a candidate's performance the examiners shall have regard to the essays or other work written by the candidate during the course.

Candidates who reach the prescribed standard in each of two subjects only of the examination may, at the discretion of the examiners, be referred in the third subject and resit the examination on not more than two subsequent occasions. If they are then successful they shall be awarded the Diploma.

Candidates who are unsuccessful in the examination as a whole shall receive a certificate of attendance, on which shall be recorded those subjects in the examination, if any, in which they have passed.

A candidate who is absent from some or all of the examinations or fails to satisfy the examiners may be a candidate for the whole examination on one further occasion. Further examination will be at the discretion of the examiners.

The examiners may recommend for an aegrotat a candidate who:—

- (i) has completed the full period of study and any field work or practical work required by the regulations;
- (ii) has been absent through illness or other sufficient cause from the whole or part of the examination for the Diploma;
- (iii) has made application, supported where appropriate by a medical certificate, to the Secretary for an aegrotat award.

Having considered the work which the candidate has submitted in such part of the examination as he or she has attended if any, records of the candidate's performance during the course, and assessments provided by the candidate's teachers, the examiners will determine whether evidence has been shown to their satisfaction that, had he or she completed the examination, the candidate would clearly have reached a standard which would have qualified him for the award of the Diploma. The recommendation of the examiners shall be considered by the Academic Board.

### Diploma in Social Policy and Administration

The examination shall comprise the following papers:

Paper Number	Paper Title	Study Guide Number
--------------	-------------	--------------------

#### Option I

Two papers, an essay and assessment of field work as follows:

- |   |        |
|---|--------|
| 1. Social Policy and Economics  | SA6600 |
| 2. Social Structure and Psychology  | SA6601 |
| 3. Social Policy and Administration (5,000 word essay)  | SA6611 |
| 4. Assessment of field work based on supervisor's reports: a candidate will be required to undertake twelve weeks' full-time field work normally in Britain during vacations as an integral part of the course. In the case of students resident in Britain six weeks of this shall normally be undertaken before the beginning of the course of study. |        |

#### Option II

Three papers and either an essay or assessment of fieldwork as follows:

Paper Number	Paper Title	Study Guide Number
1. Social Policy	SA6610	
2. The Development of British Social Policy	SA6615	
3. Social Structure and British Government	SA6616	
4. An essay as under 3 in Option I or Assessment of field work based on supervisor's reports as under 4 in Option I		

In order to satisfy the examiners in the examination a candidate shall be required to reach in each paper a standard prescribed by them; provided that if a candidate fails in one paper but reaches the prescribed standard in each other paper, the examiners may, at their discretion and if they do not consider the failure to be serious, declare the candidate to be referred in that paper.

An examination for candidates so referred may be held either in the following August or at any subsequent Diploma examination.

Candidates may offer on not more than two subsequent occasions a paper in which they have been referred, of which the first occasion shall not normally be more than two, nor the second normally more than four academic years later than the occasion of the candidate's referral. If on one of these occasions they are successful in attaining the prescribed standard in that paper they shall be treated as having then satisfied the examiners in the whole examination.

The examiners may recommend for an aegrotat a candidate who

- (i) has completed the full period of study and any field work or practical work required
- (ii) has been absent through illness or other sufficient cause from the whole or part of the examination for the Diploma
- (iii) has made application, supported where appropriate by a medical certificate to the Secretary for an aegrotat award.

Having considered the work which the candidate has submitted in such part of the examination as has been attended if any, records of the candidate's performance during the course, and assessments provided by the candidate's teachers, the examiners will determine whether evidence has been shown to their satisfaction that, had he or she completed the examination, the candidate would clearly have reached a standard which would have qualified him or her for the award of the Diploma. The recommendation of the examiners shall be considered by the Academic Board.

Candidates who complete the course of study for the Diploma, but for reasons which, in the opinion of the Convener of the department, are sufficient, fail to present themselves for examination, or who present themselves, but fail to satisfy the examiners in the examination and who are not referred in any paper, may be candidates for the whole examination on two, but not more than two subsequent occasions, of which the first shall not normally be more than two or the second normally more than four academic years later than the occasion of their failure. If they are on either of those occasions referred in one paper, the regulation above relating to referral shall apply to them.

Candidates who re-enter for the Diploma examination may not re-submit an essay which they have previously submitted for examination.

Candidates for the Diploma taking Option I (or if taking Option II electing to take fieldwork) shall be required to submit to the Convener of the department before the date on which they satisfy the examiners in the examination, or not later than two calendar years (or such further period as the Convener of the department may in any particular case permit) after that date, evidence to the satisfaction of the Convener of the department of their having completed field work of such nature and such duration as may be prescribed by the Convener of the department.

### Diploma in Social Psychology

The examination will comprise the following:

Students are required to be examined to a total of four units. All courses are of whole-unit value except those under 3 which are of half-unit value; the examination for each

whole-unit will normally be by means of a 3-hour examination, and for each half-unit will normally be by means of a 2-hour unseen examination.

Paper Number	Paper Title	Study Guide Number
1.	Methods of Psychological Research II: Social and Statistical	Ps5420
2	One of the following:	
	(a) Cognitive Psychology	Ps5422
	(b) Personality and Social Behaviour	Ps5421
	(c) Advanced Study of Psychological Processes	Ps5501
3.	Two of the following:	
	(d) Cognitive Development	Ps5521
	(e) Cognitive Structures	Ps5522
	(f) Collective Psychologies	Ps5523
	(g) Personality and Psychopathology	Ps5524
	(h) Social Psychology of Health ( <i>not available 1985/86</i> )	Ps5525
	(i) Applied Developmental Psychology	Ps5526
	(j) Life-Span Development	Ps5527
	(k) Personality and Social Pathology	Ps5528
	(l) Psychological Aspects of Legal Processes	Ps5529
	(m) The Social Psychology of Conflict ( <i>not available 1985/86</i> )	Ps5530
	(n) The Social Psychology of the Media	Ps5531
4.	An essay or research report (not exceeding 5,000 words) or a paper approved by the Convener.	Ps5599

The choice of papers is subject to the approval of the Convener, who may also permit alternative papers to be offered.

**Note:** Not all the papers listed under 2 and 3 above will necessarily be available every year.

Part-time students may take examinations to a value of between one and two units at the end of the first year and the remainder at the end of the second year.

### Diploma in Sociology

The examination shall consist of four papers, as follows:

Paper Number	Paper Title	Study Guide Number
1.	Methods of Social Investigation	So6960
2.	Sociological Theory	So6961
3.	Comparative Social Structures I: (Complex Pre-Industrial Societies)	So6962
4.	Comparative Social Structures II: (Industrial Societies)	So6963

Part-time students may take one or two papers at the end of the first year of their course and the remainder at the end of the second year of their course.

A candidate may, at the discretion of the examiners, substitute an essay of not more than 10,000 words, which must be submitted by 15 May, for the paper Comparative Social Structures I.

A candidate wishing to proceed to the M.Sc in Sociology will normally be expected to obtain a mark of Distinction in order to be allowed to do so.

### Diploma in Statistics

The examination shall comprise four papers selected with the approval of the candidate's supervisor from the following list:

Paper Number	Paper Title	Study Guide Number
(a)	Probability, Distribution Theory and Inference	SM7220
(b)	Statistical Theory	SM7241
(c)	(i) Elementary Mathematical Methods	SM7000
or	(ii) Mathematical Methods	SM7020
(d)	Social Statistics and Survey Methodology	SM8260
(e)	Statistical Demography	SM7126
(f)	Operational Research Methods	SM7345
(g)	(i) Econometric Theory	Ec1575
or	(ii) Principles of Econometrics	Ec1561
(h)	(i) Elements of Computer Science	SM7300
or	(ii) Numerical and Symbolic Computing	SM7331
or	(iii) Any other paper approved by the candidate's teachers	

Candidates may not offer a paper in which they have been examined at first degree level or its equivalent.

Candidates will normally be expected to include papers (a) and (c) in their selection, and if they wish subsequently to be considered for the M.Sc. in Statistics at the School, they will normally include paper (b) also. These restrictions may be waived where candidates can satisfy their supervisors that they have already reached the required standard in a particular paper or papers.

Part-time students may take one or two papers at the end of the first year of their course and the remainder at the end of the second year of their course.

### The Master's Degrees — M.Sc., LL.M., M.A.

The University of London Master's degree is intended for award mainly on the result of written examinations after a course of study beyond first-degree level. In addition to written papers, students are required in some subjects to submit essays or reports on practical work written during the course of study.

#### The Course of Study

The course of study for a full-time student will extend over not less than *one* academic or *one* calendar year, according to subject; but students whose initial qualifications in the field of study they wish to pursue are held by the School to be insufficient may be required to extend the course over *two* years and to pass a qualifying examination not less than one year before entering for the degree examination. If they fail to pass this qualifying examination they will not be allowed to re-enter for it without the permission of the School. No candidate will be admitted to the School to follow the course of study for a taught Master's degree except at the beginning of the session, i.e. in October.

A student who has been admitted to the School as a part-time student will be required to extend the course over *two* academic or *two* calendar years or longer if necessary.

Details of the various courses offered at the School for the University of London's Master's degrees are contained in the following pages. **N.B.** Where the regulations for a course indicate that special permission is required for a student to take a particular subject or combination of subjects, such permission must be sought at the beginning of the course of study, and the Graduate School Office must be informed if permission is given.

A student registered for a taught Master's degree may, with the permission and recommendation of the supervisor, apply to proceed to a research degree instead. On registering for the research degree the Master's degree registration will lapse. Only in exceptional circumstances may any period of time spent on the Master's degree count towards the prescribed period of registration for the research degree.

A candidate who fails in the examination will not normally be re-admitted to the School but, under University regulations, may re-enter for the examination once more without being registered at the School.

### Examination Arrangements

#### Entry for Examination

Examination entry forms should be collected from the Graduate School Office at the appropriate time. They should be completed according to the instructions supplied and returned to the Graduate School Office promptly by 12 January for June examinations (this also applies to candidates for September examinations who are to sit papers examined in June) and by 12 April for September examinations, so that the forms can be sent on to the University by the closing date (1 February and 1 May respectively).

Entry forms for *re-entry* to examinations will not be issued to candidates no longer registered at the School unless they ask for them at the appropriate time (mid-December for June examinations, late March for September examinations). Candidates are bound by the Regulations in force at the time of their re-entry to the examination. Candidates re-entering for examinations will be required to enter for the same examinations as they entered for previously, unless they have satisfactorily completed courses for different examinations.

#### Withdrawal from Examinations

Students who have entered for an examination and who wish to withdraw should inform the Graduate School Office as soon as possible, and should ask for advice as to their position if they should wish at some later date to re-enter for the examination. Generally speaking, students should notify the University of withdrawal from an examination *at least a week before* it begins, if that entry is not to be counted for the purposes of calculating liability for fees on re-entry and the number of occasions on which the student may re-enter. University Regulations also require students to have satisfied the examiners within two years of completion of the course, if they are to be awarded the degree; however, this period may be extended at the School's discretion.

#### Illness at the Examination

Candidates who are prevented owing to illness or other cause judged sufficient by the Academic Council of the University (such as death of a near relative) from completing at the normal time the examination for which they have entered may

- (a) enter the examination on the next occasion when the examination is held, or at the discretion of the examiners
- (b) be set a special examination in those elements of the examination missed as soon as possible after that date and be permitted to submit any work prescribed (e.g. report) at a date to be specified by the University.

Applications on behalf of such candidates must be made by the School, be accompanied by a medical certificate and must reach the Academic Registrar at the University within seven days from the last day of the examination. Such applicants should, therefore, contact the Secretary of the Graduate School *immediately* if they are prevented from sitting any examination paper(s).

#### Notification of Results

After the examiners have reached a decision, every candidate will be notified by the Academic Registrar of the University of the result of the examination.

The result of the examination is given for the examination as a whole. Results are not published for the individual components of an examination, and no marks or grades are awarded, other than a mark of Distinction to candidates showing exceptional merit in the examination.

A Diploma under the Seal of the University shall be subsequently delivered to each candidate who has been awarded a degree.

N.B. The School reserves the right to ask the University to withhold the award of a degree to a candidate owing fees to the School.

In the regulations which follow a Study Guide number is printed opposite each examination paper. The Study Guides are printed in detail in Part III of the Calendar, with a general explanation on page 342. Students should first read the regulations for their particular degree, to see the rules governing the choice of examination subjects. They should then refer to Study Guides which in turn refer to the lecture and seminar series listed in the Sessional Timetable (published separately).

## M.Sc. in the Faculty of Economics

### Accounting and Finance

#### Duration of Course of Study

*Full-time:* One academic year (or one calendar year if an option examined in September is chosen).

*Part-time:* At least two academic years (or two calendar years if an option examined in September is chosen).

#### Examination

Students will be examined on four courses or three courses and an essay or report as listed below. The examination for courses marked with an asterisk comprises two two-hour papers.

Paper Number	Paper Title	Study Guide Number
1.	Advanced Accounting and Finance I	Ac2000
2.	Advanced Accounting and Finance II	Ac2001
3 & 4.	Two of the following selected with the approval of the candidate's teachers:	
(a)	Advanced Accounting and Finance III*	Ac2002
(b)	Advanced Accounting and Finance IV*	Ac2003
(c)	Economics of Industry	Ec2436
(d)	Public Finance	Ec2435
(e)	(i) Operational Research Techniques and Applications	SM8342
	or (ii) Advanced Mathematical Programming	SM8351
(f)	(i) Computing and Data Processing	SM8300
	or (ii) Advanced Systems Analysis	SM8304
(g)	Industrial Organization	Id4202
(h)	A paper from another course for the M.Sc. in the Faculty of Economics	
(i)	An essay or report of not more than 10,000 words	

Students following the part-time course may, with the approval of the School, take the examination in two parts. The first part will consist of the papers for two courses, taken after completion of those courses. The second part will consist of the remaining paper(s).



and the essay or report, and will be taken in the final year of the course. Part-time students who fail the first part of the examination may be permitted by the School to re-enter for the first part and to enter for the second part at the same examination and, if on that occasion the examination is failed, to make one further attempt at the whole examination.

#### Dates of Examination

Written papers June (except that a paper taken under (h) above will be examined at the time that course is examined).  
Essay/report 1 June.

### Analysis, Design and Management of Information Systems

#### Duration of Course of Study

*Full-time:* One or two calendar years, depending on the candidate's entry qualifications.

*Part-time:* At least two calendar years, depending on the candidate's entry qualifications.

#### Examination

I Three written papers as follows:

Paper Number	Paper Title	Study Guide Number
1.	Advanced Systems Analysis	SM8304
2.	Computers in Information Processing systems	SM8302
3.	One of the following selected with the approval of the candidate's teachers:	
	(a) Advanced Econometric Theory I	Ec2560
	(b) Operational Research Techniques and Applications	SM8342
	(c) Industrial Organization	Id4203
	(d) Financial Reporting and Management	Ac2150
	(e) Management Mathematics	SM8350
	(f) Manpower Policy	Id4223
	(g) Information Systems in Developing Countries	SM8306
	(h) Any other subject approved by the candidate's teachers	

and

II A report of not more than 10,000 words on a project selected with approval of the candidate's teachers.

Part-time students may with the approval of the School take the examination in two parts. The first part will consist of two papers, taken after completion of courses for those papers. The second part will consist of the remaining paper and the report and will be taken in the final year of the course. Part-time students who fail the first part of the examination may be permitted by the School to re-enter for the first part and to enter for the second part of the same examination and, if on that occasion the examination is failed, to make one further attempt at the whole examination.

#### Date of Examination

Written papers June  
Dissertation 15 September

### Demography

#### Duration of Course of Study

*Full-time:* One calendar year. *Part-time:* At least two calendar years.

#### Examination

Paper Number	Paper Title	Study Guide Number
I	Three written papers as follows:	
1.	Analytic Demography	Pn8100
2.	Applied Demography	Pn8101
3.	Social and Economic Demography	Pn8102
	This paper will include a special study of a topic to be selected from	
	(a) Third World Demography	Pn7123
	(b) The Demographic Transition and the Modern Western World	Pn7122
	(c) The Population History of England	Pn7121
	(d) Family Composition, Kin and the Life Cycle	Pn7125
	(e) Migration	Pn7124

and

II A dissertation of not more than 10,000 words on a topic approved by the candidate's teachers.

Students following the part-time course may, with the approval of the School, take the examination in two parts. The first part will consist of two papers, taken after completion of courses for those papers. The second part will consist of the remaining paper and the dissertation, and will be taken in the final year of the course. Students following the part-time course who fail the first part of the examination may be permitted by the School to re-enter the first part and to enter for the second part at the same examination and, if on that occasion the examination is failed, to make one further attempt at the whole examination.

#### Date of Examination

Written papers June  
Report 15 September

### Economics

#### Duration of Course of Study

*Full-time:* One academic year. *Part-time:* At least two academic years.

#### Examination

Paper Number	Paper Title	Study Guide Number
	Four written papers as follows:	
1.	(a) Macro-Economics I	Ec2402
	or (b) Macro-Economics II	Ec2403
2.	(a) Micro-Economics I	Ec2404
	or (b) Micro-Economics II	Ec2405
3.	(a) Methods of Economic Investigation I	Ec2410
	or (b) Methods of Economic Investigation II	Ec2411

4. *One* of the following:
- |  |        |
|--|--------|
| (a) Advanced Economic Theory: Dynamic Economics                            | Ec2420 |
| (b) Theory of Investment Planning  | —      |
| (c) History of Economic Thought  | Ec2425 |
| (d) International Economics  | Ec2426 |
| (e) Economics of Investment and Finance                                    | Ec1542 |
| (f) Labour Economics   | Ec2429 |
| (g) Monetary Economics   | Ec2430 |
| (h) Economics of Transport   | Ec2432 |
| (i) Public Finance   | Ec2435 |
| (j) Economics of Industry  | Ec2436 |
| (k) The Economics of Less Developed Countries and of their Development     | Ec2440 |
| (l) Soviet Economic Development  | Ec2441 |
| (m) Theory and Implementation of Detailed Planning                         | Ec2442 |
| (n) Marx, Walras and Keynes in the Light of Contemporary Economic Analysis | Ec2455 |
| (o) Economic Inequality  | Ec2465 |
| (p) The Economics of Technological Change and Long-Term Growth             | Ec2470 |
| (q) Game Theory  | SM7025 |
| (r) Capital Markets, the Corporation and Taxation                          | Ec2437 |
| (s) Any other field of Economics approved by the candidate's teachers      |        |

In exceptional circumstances, a candidate may, subject to the approval of his teachers, substitute for one of the papers under 1, 2 or 3 a second paper selected under 4 or a paper in a second subject under 4.

Students following the part-time course may, with the approval of the School take the examination in two parts. The first part will consist of two papers, taken after completion of courses for those papers. The second part will consist of the remaining papers and will be taken in the final year of the course. Part-time students who fail the first part of the examination may be permitted by the School to re-enter the first part and to enter for the second part at the same examination and if on that occasion the examination is failed, to make one further attempt at the whole examination.

#### Dates of Examination

Written papers June

#### Preliminary Year

Some students may be asked to take the Preliminary Year Programme, and, before being allowed to proceed in their final year to the M.Sc. as described above, to pass in four examinations as follows:

- |    |                                    |        |
|----|------------------------------------|--------|
| 1. | Preliminary Year Macroeconomics    | Ec2590 |
| 2. | Preliminary Year Microeconomics    | Ec2591 |
| 3. | <i>One</i> of the following:       |        |
|    | Basic Mathematics for Economists   | Ec1415 |
|    | Elementary Mathematical Methods    | SM7000 |
|    | Elements of Management Mathematics | SM7340 |
| 4. | <i>One</i> of the following:       |        |
|    | Basic Statistics                   | SM7200 |
|    | Economic Statistics                | Ec1430 |
|    | Elementary Statistical Theory      | SM7201 |
|    | Principles of Econometrics         | Ec1561 |

## Econometrics and Mathematical Economics

### Duration of Course of Study

*Full-time:* One academic year. *Part-time:* At least two academic years.

### Examination

Four written papers or, subject to the approval of the candidate's teachers, three written papers and an essay or report as follows:

<i>Paper Number</i>	<i>Paper Title</i>	<i>Study Guide Number</i>
1.	(a) Advanced Quantitative Economics I	Ec2550
	or (b) Advanced Quantitative Economics II	Ec2551
2, 3 & 4.	<i>Three</i> of the following selected with the approval of the candidate's teachers:	
	(a) Advanced Quantitative Economics I (if not taken under I)	Ec2550
	(b) Advanced Quantitative Economics II (if not taken under II)	Ec2551
	(c) Advanced Econometric Theory I	Ec2560
	(d) Advanced Econometric Theory II (only available to candidates selecting paper Advanced Econometric Theory I)	Ec2561
	(e) Advanced Mathematical Economics I	Ec2570
	(f) Advanced Mathematical Economics II	Ec2571
	(g) (i) Advanced Mathematical Programming	SM8351
	or (ii) Applied Abstract Analysis	SM7060
	(h) Game Theory	SM7025
	(i) Microeconomics II	Ec2405
	(j) Any other subject approved by the candidate's teachers	
	(k) An essay or report of not more than 10,000 words	

Part-time students may, with the approval of the School, take the examination in two parts. The first part will consist of two papers, taken after completion of courses for those papers. The second part will consist of the remaining papers, and will be taken in the final year of the course. Part-time students who fail the first part of the examination may be permitted by the School to re-enter for the first part and to enter for the second part at the same examination and if on that occasion the examination is failed to make one further attempt at the whole examination.

#### Dates of Examination

Written papers June  
Essay/Report 1 June

#### Preliminary Year

Some students may be asked to take the Preliminary Year Programme and to pass two examinations, in econometric theory and mathematical economics, before being allowed to proceed in their final year to the M.Sc. as described above. The Preliminary Year Programme will include additional studies and seminars in economic theory, mathematics, statistics, economics and econometrics. Details may be found in Study Guide numbers Ec1570 and Ec1575.

## Economic History

### Duration of Course of Study

*Full-time:* One calendar year. *Part-time:* Two calendar years.

**Option A  
Examination**

I. Three written papers selected with the approval of the candidate's teachers as follows:

Paper Number	Paper Title	Study Guide Number
1.	The Sources and Historiography of Economic History in one of the following:	
(a)	England 1350-1500	EH2600
(b)	England in the Seventeenth Century	EH2605
(c)	Britain from the later Eighteenth Century	EH2610
(d)	U.S.A. 1890-1929	EH2615
2 & 3.	Two of the following:	
(a)	A second paper under 1 (above)	—
(b)	A paper on a specified period in the Economic History of Great Britain or the U.S.A.	—
(c)	(i) Evolution of Early Technology to c. 1650	—
or	(ii) The Emergence of Modern Technology c. 1650-1850	—
or	(iii) Technology in the Modern Era	—
(d)	History of Economic Thought	Ec2425
(e)	The Regulation of the Economy by Government in the U.S.A.	Gv4130
(f)	British Labour History	EH2700
(g)	The Population of the United States of America from Colonial Times to the Present	EH2710
(h)	Aspects of Latin American Economic History since Independence (a reading knowledge of Spanish or Portuguese is desirable)	EH2715
(i)	The History of Transport from the Turnpike to the Motorway	EH2701
(j)	In exceptional circumstances and subject to the approval of the department, a second paper under 2 and 3(b) above, provided that one of the two papers is on the Economic History of the U.S.A.	
(k)	Any other paper approved by the candidate's teachers	

and

II. A report of about 10,000 words on a topic approved by the candidate's teachers relating to the period chosen under 1

Part-time students may, with the approval of the School, take the examination in two parts. The first part will consist of two papers, taken after completion of courses for those papers. The second part will consist of the remaining paper and the report and will be in the final year of the course. Part-time students who fail the first part of the examination may be permitted by the School to re-enter for the first part and to enter for the second part at the same examination and, if on that occasion the examination is failed, to make one further attempt at the whole examination.

**Dates of Examination**

Written papers	September (except that papers 2 and 3(c), (e), (f), (h), and (i), will be taken in June)
Report	1 September

**Option B  
Examination**

I. Three written papers selected with the approval of the candidate's teachers as follows:

Paper Number	Paper Title	Study Guide Number
1.	Growth, Poverty and Policy in the Third World since 1850	EH2790
2 & 3.	Two of the following:	
(a)	The Latin American Experience of "Economic Imperialism"	EH2780
(b)	(i) Economic History of the U.S.A. 1873-1939	EH2660
or	(ii) Britain and the International Economy 1919-1964	EH2655
(c)	The Economics of Less-Developed Countries and of their Development	Ec2440
(d)	Sociology of Development	So6831

and

II. A report of about 10,000 words on a topic approved by the candidate's teachers relating to paper 1 above

Part-time students may, with the approval of the School, take the examination in two parts. The first part will consist of two papers, taken after completion of courses for those papers. The second part will consist of the remaining papers, and will be taken in the final year of the course. Part-time students who fail the first part of the examination may be permitted by the School to re-enter for the first part and to enter for the second part at the same examination and if on that occasion the examination is failed to make one further attempt at the whole examination.

**Dates of Examination**

Written papers	September (except that papers 2 and 3(a), (c), and (d), will be taken in June)
Report	1 September

**European Studies**

**Additional Entry Qualifications**

Applicants should possess a knowledge of at least one European language other than English.

**Duration of Course of Study**

*Full-time:* One calendar year. *Part-time:* At least two calendar years.

**Examination**

Paper Number	Paper Title	Study Guide Number
I.	Three written papers as follows:	
1&2.	Two of the following:	
(a)	European History since 1945	Hy4540
(b)	The Politics of Western European Institutions	IR4751
(c)	The Economic Organisation of the European Economic Community	Ec2516

3. *One* of the following:
- |     |   |                        |
|-----|---|------------------------|
| (a) | A paper from 1 and 2 not already taken                                    |                        |
| (b) | The Politics and Government of an Approved European Country               | Gv4090, Gv4100, Gv4110 |
| (c) | The International Politics of Western Europe                              | IR4750                 |
| (d) | The Law of European Economic and Monetary Transactions                    | LL6050                 |
| (e) | The Law of Western European Institutions                                  | LL6051                 |
| (f) | Comparative European Social Structures                                    | So6969                 |
| (g) | Public Policy in Italy and France   | Gv4165                 |
| (h) | Any other paper approved by the candidate's teachers and examined in June |                        |

and

- II. An essay of not more than 10,000 words on an approved topic falling within the field of one of the candidate's chosen papers.

#### Dates of Examination

Written papers	June
Essay	15 September

All students admitted for this course are required to take a test at the beginning of January to check on their progress. According to the results of this test, they may be advised, in extreme cases, to withdraw from the course, or, possibly, to take two years over the course. Candidates are not expected to 'pass' the test as if it were an end-of-course examination, but are advised to be aware of the fact that the test is regarded as an indication of progress.

## Geography

#### Duration of Course of Study

*Full-time:* One calendar year. *Part-time:* Two calendar years.

#### Examination

Paper Number	Paper Title	Study Guide Number
I.	Three written papers as follows:	
1.	Geographical Methodologies and Research Techniques	Gy2802
2&3.	Two of the following:	
(a)	Social Change and Urban Growth	Gy2820
(b)	Regional Policy and Planning	Gy2821
(c)	Natural Resources Management and Environmental Planning	Gy2822
(d)	Spatial Aspects of Change in Economic Activity	Gy2823
(e)	Geography of Transport Planning	Gy2824
(f)	Cartographic Communication	Gy2825
(g)	Any other subject of comparable range in the field of Geography, or one related thereto, approved by the candidate's teachers	
(h)	A subject offered for an M.Sc. in a related discipline (with the approval of the department and of the teachers concerned)	

and

- II. A report of not more than 10,000 words on an approved topic.

and

- III. Assessment of written work submitted during the course.

Candidates will also be required to show satisfactory evidence of acquaintance with field and other practical research techniques.

Part-time students may with the approval of the School take the examination in two parts. The first part will consist of two papers, taken after completion of courses for those papers. The second part will consist of the remaining paper and the report and will be taken in the final year of the course. Part-time students who fail the first part of the examination may be permitted by the School to re-enter for the first part and to enter for the second part at the same examination and, if on that occasion the examination is failed, to make one further attempt at the whole examination.

#### Dates of Examination

Written papers	June
Report	15 September

## Industrial Relations and Personnel Management

#### Duration of Course of Study

*Full-time:* One calendar year. *Part-time:* At least two calendar years.

#### Examination

Paper Number	Paper Title	Study Guide Number
I.	Three written papers as listed below:	
1.	(a) Industrial Relations and Personnel Management: Institutions and Processes	Id4200
	or (b) Industrial Relations: Theory and Comparative Systems	Id4201
2&3.	Two of the following:	
(a)	A paper from 1 not already taken	Id4202
(b)	Industrial Organisation: Theory and Behaviour	Id4220
(c)	Industrial Psychology	Id4221
(d)	Industrial Sociology	LL6112
(e)	Labour Law	Id4224
(f)	Labour Market Analysis	Id4222
(g)	Labour History	Id4223
(h)	Manpower Policy	Ac2150
(i)	Financial Reporting and Management	Ec2436
(j)	Economics of Industry	SM8303
(k)	Systems Analysis	
(i)	Any other paper approved by the candidate's teachers	

and

- II. A report of not more than 10,000 words on an approved subject

and

- III. Assessment of essays written during the course.

Students following the part-time course may, with the approval of the School, take the

examination in two parts. The first part will consist of two papers, and will be taken after the completion of the appropriate courses. The second part will consist of the remaining paper and the report will be taken in the final year of the course.

**N.B.** Students wishing to seek exemption from the examinations of the Institute of Personnel Management are expected to take papers 1(a), 1(b) and 2 & 3(h), and a special supplementary programme of work.

#### Dates of Examination

Written papers June  
Report 1 September

### International History

#### Additional Entry Qualifications

A knowledge of at least one European language in addition to English is advised and, for some courses, is essential.

#### Curriculum

1. One of the following general periods, including a knowledge of its sources and historiography:
  - (a) 1815-1870
  - (b) 1870-1914
  - (c) 1914-1946
2. Diplomatic theory and practice in one of the following periods, to be selected with the appropriate period under section 1:
  - (a) 1815-1919
  - (b) 1919-1946
3. A special aspect to be studied with the appropriate period under section 1. Candidates will be expected to show knowledge of set printed sources and relevant monographs and articles. This aspect will be selected from those available to candidates for the M.A. in International History and approved by the candidate's teachers

Courses  
by special  
arrangement

#### Duration of Course of Study

*Full-time:* One calendar year. *Part-time:* At least two calendar years.

#### Examination

1. Three written papers  
*and*
2. An essay of not more than 10,000 words as a topic within the field of the period selected.

#### Dates of Examination

Written papers June  
Essay Not later than 30 September

### International Relations

#### Duration of Course of Study

*Full-time:* One academic year. *Part-time:* At least two academic years.

#### Examination

Paper Number	Paper Title	Study Guide Number
I.	Three written papers as follows:	
1.	International Politics	IR4600
2 & 3.	Two of the following, to be chosen with the approval of the candidate's teachers:	
(a)	Foreign Policy Analysis	IR4610
(b)	International Institutions	IR4630
(c)	European Institutions	IR4631
(d)	The Politics of International Economic Relations	IR4640
(e)	The International Legal Order	IR4632
(f)	Strategic Studies	IR4650
(g)	International Politics: The Western Powers	IR4660
(h)	International Politics: The Communist Powers	IR4661
(i)	International Politics: Asia and the Pacific	IR4662
(j)	International Politics: Africa and the Middle East	IR4663
(k)	International Business in the International System	IR4641
(l)	Marxism and International Relations	IR4622
(m)	Concepts and Methods in International Relations	IR4621
(n)	International Law and Organizations in Latin America and the Caribbean	IR4633
(o)	The Politics of Money in the World Economy	IR4642
(p)	Nationalism	So6850
(q)	Any other subject of comparable range in the field of International Relations, or one related thereto approved by the candidate's teachers	—
II.	An essay of not more than 10,000 words on an approved topic.	

Students following the part-time course may, with the approval of the School, take the examination in two parts. The first part will consist of two papers, taken after completion of courses for those papers. The second part will consist of the remaining paper and the essay, and will be taken in the final year of the course.

#### Dates of Examination

Written papers June  
Essay 1 June

All students admitted for this course will be required to take a test at the beginning of October, to help their tutors advise them on course work and reading, especially in International Politics.

### Logic and Scientific Method

#### Duration of Course of Study

*Full-time:* One academic year or one calendar year depending on the Scheme of Examination.

*Part-time:* Two academic or two calendar years depending on the Scheme of Examination.

### Examination

I. Three written papers selected with the approval of the candidate's teachers as follows (candidates are normally required to take papers (a) and (b)):

Paper Number	Paper Title	Study Guide Number
(a)	Advanced Scientific Method	Ph6200
(b) (i)	Logic	Ph6201
or (ii)	Mathematical Logic	Ph6202
or (iii)	Elements of Logic	Ph5200
(c)	Advanced Mathematical Logic	Ph6203
(d)	History of the Philosophy of Science	Ph6204
(e)	Metaphysics and Epistemology	Ph6205
(f)	Philosophy of Mathematics	Ph6206
(g)	Growth of Modern Science	Ph6207
(h)	Philosophy of the Social Sciences	Ph6208
(i)	Theories of Probability	Ph6210

II. An essay of not more than 10,000 words on a topic falling within the field of any of the papers

Exceptionally candidates may be examined by four written papers selected with the approval of their teachers from the list given above (candidates will normally be required to take papers (a) and (b)).

### Dates of Examination

Written papers	June
Essay	15 September

## Operational Research

### Additional Entry Qualifications

A knowledge of mathematics and statistics to the level of Elementary Mathematical Methods and Elementary Statistical Theory in Part I or the B.Sc. (Econ.). A student who applies without previous study of one or more of these subjects may be required to pass a qualifying examination before admission.

### Duration of Course of Study

*Full-time:* One academic year. *Part-time:* At least two academic years.

### Examination

Students are required to be examined on courses to a total of four units, as detailed below. All courses are half-units unless specified to the contrary. The examination for each half-unit will normally be by means of a two-hour unseen examination paper, or for each whole unit, a three-hour unseen examination paper. (Courses I.2, I.3, II.6 and II.10 are

examined by means of essays and project reports.) In addition, coursework may also be assessed.

Paper Number	Paper Title	Study Guide Number
I.		
1.	Techniques of Operational Research	SM8343
2.	Applications of Operational Research	SM8344
3.	The Context of Operational Research and Simulation	SM8345
II.	Courses totalling five half-units, of which at least one must be from subjects II.1 to II.7 and at least three must be from subjects II.1 to II.14.	
1.	Mathematical Programming 1	SM8354
2.	Mathematical Programming 2 (if II.1 is also taken)	SM8355
3.	Combinatorial Optimisation	SM8346
4.	Advanced Operational Research Techniques	SM8347
5.	Stochastic Processes	SM8203
6.	Further Simulation	SM8348
7.	Decision Analysis in Theory and Practice	SM8204
8.	Transport Models	SM8356
9.	Urban Models	SM8357
10.	Workshop on Urban and Transport Models (if II.8 and/or II.9 is also taken)	SM8358
11.	Models of Social Processes (if II.5 is also taken)	SM8213
12.	Statistical and Economic Aspects of Educational Planning	SM8214
13 & 14.	Public Policy Analysis (one unit)	SA6632
15.	Systems Analysis I	SM8305
16 & 17.	Advanced Systems Analysis (one unit)	SM8304
18 & 19.	Computers in Information Processing Systems (one unit)	SM8302
20.	Statistical Sources, Packages and Data Analysis	SM8254
21.	(i) Basic Time Series and Forecasting: Robust Methods and Non-parametrics	SM8256
	or (ii) Statistical Techniques for Operational Research	SM8253
22.	Game Theory I	SM8002
23.	Game Theory II (if II.22 is also taken)	SM8003
24 & 25.	Any other subject(s) approved by the student's teachers	

Not all the courses listed in Part II will necessarily be available every year. Students who have already covered material comparable to that in I.1 will be required to replace it with a half-unit from courses II.1 to II.14. A report on an agreed subject may be submitted to count as one unit provided that the minimum number of half-units from II.1 to II.7 and from II.1 to II.14 is also taken, and that at least six hours of unseen written examinations are taken.

Part-time students may with the approval of the School take the examination in two parts. The first part will consist of the three compulsory subjects I.1 to I.3 and will be taken after the completion of courses for those subjects. The second part will consist of the remaining requirements of the examination and will be taken in the final year of the course. Part-time students who fail the first part of the examination may be permitted by the School to re-enter for the first part and to enter for the second part at the same examination, and, if on that occasion the examination is failed, to make one further attempt at the whole examination.

### Dates of Examination

Written papers	June
Report	June

### Politics 1 — History of Political Thought

#### Duration of Course of Study

*Full-time:* One calendar year. *Part-time:* Two calendar years.

#### Examination

Paper Number	Paper Title	Study Guide Number
Four written papers:		
1.	Nature and Scope of Intellectual History	Gv4000
2.	Critical Problems in the History of Political Thought	Gv4001
3.	Set Text (Candidates will choose <i>one</i> of a list of specified authors)	Gv4010-18
4.	Essay paper	

#### Dates of Examination

Written papers September

### Politics 2 — The Politics and Government of the U.K.

#### Duration of Course of Study

*Full-time:* One calendar year. *Part-time:* Two calendar years.

#### Examination

*Either* Four written papers  
*or* Three written papers and an essay written during the course

Paper Number	Paper Title	Study Guide Number
1, 2 & 3. <i>Three</i> of the following:		
(a)	The State in Britain	Gv4025
(b)	Interpretations of the Constitution	Gv4026
(c)	The History of British Politics in the Twentieth Century	—
(d)	Modern British Political Ideas	Gv4028
4.	(a) An essay to be written under examination conditions; candidates will be given a choice of essay titles drawn from work covered during the course of study	
	<i>or</i> (b) (by arrangement) An essay of not more than 10,000 words, written on any approved topic during the course of study	

Candidates may, subject to the approval of their teachers, substitute any other paper which is offered for the M.Sc., LL.M., or M.A., for one of the papers listed under 1, 2 and 3 above. The substituted paper is to be taken at the time when it is normally taken by candidates offering the course under which that paper is listed.

Part-time students may, with the approval of the School, take the examination in two parts. The first part will consist of up to two papers, taken after completion of courses for those papers. The second part will consist of the remaining paper(s) and the essay will be taken in the final year of the course. Part-time students who fail the first part of the examination may be permitted by the School to re-enter for the first part and to

enter for the second part at the same examination and, if on that occasion the examination is failed, to make one further attempt at the whole examination.

#### Dates of Examination

Written papers June  
Essay 15 September

### Politics 3 — Political Sociology

#### Duration of Course of Study

*Full-time:* One calendar year. *Part-time:* Two calendar years.

#### Examination

Paper Number	Paper Title	Study Guide Number
1. Three written papers		
1.	Theories and Concepts of Political Sociology	Gv4040
2.	Revolutions and Social Movements	Gv4041
3.	The Study of Political Behaviour	Gv4042

*and*

II. An essay of about 15,000 words written on an approved topic during the course of study.

Candidates may, subject to the approval of their supervisor, substitute for one of the written papers listed above any other paper which is offered for the M.Sc., LL.M., or M.A. The substituted paper is to be taken at the time when it is normally taken by candidates offering the course under which that paper is listed.

Part-time students may, with the approval of the School, take the examination in two parts. The first part will consist of up to two papers, taken after completion of courses for those papers. The second part will consist of the remaining paper(s) and the essay and will be taken in the final year of the course. Part-time students who fail the first part of the examination may be permitted by the School to re-enter for the first part and to enter for the second part at the same examination and, if on that occasion the examination is failed, to make one further attempt at the whole examination.

#### Dates of Examination

Written papers September  
Essay 1 August

### Politics 4a — The Politics and Government of Russia

#### Additional Entry Qualifications

An ability to read political texts in Russian. If this is lacking a two-year course, involving intensive study of the Russian language in the first year, will be necessary.

#### Duration of Course of Study

*Full-time:* At least one calendar year, depending on the student's knowledge of Russian.  
*Part-time:* At least two calendar years, depending on the student's knowledge of Russian.

**Examination**

Paper Number	Paper Title	Study Guide Number
1, 2 & 3. Three of the following:		
(a)	Russian Political Institutions — 1861-1917	Gv4051
(b)	Russian Political Thought — 1815-1980	Gv4052
(c)	The Development of the Soviet Polity	Gv4053
(d)	Soviet Political Institutions	Gv4054
<i>and</i>		
4.	An essay of not more than 10,000 words written on an approved topic during the course of study	

Part-time students may, with the approval of the School, take the examination in two parts. The first part will consist of up to two papers, taken after completion of courses for those papers. The second part will consist of the remaining paper(s) and the essay will be taken in the final year of the course. Part-time students who fail the first part of the examination may be permitted by the School to re-enter for the first part and to enter for the second part at the same examination and, if on that occasion the examination is failed, to make one further attempt at the whole examination.

**Dates of Examination**

Written papers	September
Essay	15 September

**Politics 4b — The Politics and Government of Russia (without Russian Language)****Curriculum**

Set texts will be studied in translation

**Duration of Course of Study**

*Full-time:* One calendar year. *Part-time:* Two calendar years.

**Examination**

Paper Number	Paper Title	Study Guide Number
1, 2 & 3. Three of the following:		
(a)	Russian Political Institutions — 1861-1917	Gv4051
(b)	Russian Political Thought — 1815-1980	Gv4052
(c)	The Development of the Soviet Polity	Gv4053
(d)	Soviet Political Institutions	Gv4054
<i>and</i>		
4.	An essay of not more than 10,000 words written on an approved topic during the course of study.	

Part-time students may, with the approval of the School, take the examination in two parts. The first will consist of up to two papers, taken after completion of courses for those papers. The second part will consist of the remaining paper(s) and the essay and will be taken in the final year of the course. Part-time students who fail the first part of the examination may be permitted by the School to re-enter for the first part and to enter for the second part at the same examination and, if on that occasion the examination is failed, to make one further attempt at the whole examination.

**Dates of Examination**

Written papers	September
Essay	15 September

**Politics 5 — Comparative Government****Duration of Course of Study**

*Full-time:* One calendar year. *Part-time:* Two calendar years.

**Examination**

Paper Number	Paper Title	Study Guide Number
I. Three written papers		
1.	Comparative Government	Gv4065
2 & 3. Two of the following papers:		
(a)	Government and Politics of the U.S.S.R.	Gv4050
(b)	The Government and Politics of France	Gv4090
(c)	The Government and Politics of Germany	Gv4100
(d)	Government and Politics of a selected African country	Gv4120
(e)	The Regulation of the Economy by Government in the U.S.A.	Gv4130
(f)	Government and Politics of Scandinavia	Gv4110
(g)	Government and Politics of Eastern Europe	Gv4060
(h)	Government and Politics of Latin America	Gv4140

*and*

II. An essay of not more than 10,000 words written on an approved topic during the course of study.

Candidates may, subject to the approval of their supervisor, substitute for one of the written papers listed above any other paper which is offered for the M.Sc., LL.M., or M.A. The substituted paper is to be taken at the time when it is normally taken by candidates offering the course under which that paper is listed.

Part-time students may, with the approval of the School, take the examination in two parts. The first will consist of up to two papers, taken after completion of courses for those papers. The second part will consist of the remaining paper(s) and the essay and will be taken in the final year of the course. Part-time students who fail the first part of the examination may be permitted by the School to re-enter for the first part and to enter for the second part at the same examination and, if on that occasion the examination is failed, to make one further attempt at the whole examination.

**Dates of Examination**

Written papers	September (June for papers 2 & 3(b), (c), (d), (e), (f), (g) and (h) and, if appropriate, the substituted paper referred to above)
Essay	15 September

**Politics 6 — Public Administration and Public Policy****Duration of Course of Study**

*Full-time:* One calendar year. *Part-time:* Two calendar years.



**Examination**

Paper Number	Paper Title	Study Guide Number
I.	Three written papers	
1.	Comparative Administrative Systems	Gv4160
2.	Public Policy and Planning	Gv4161
3.	One of the following:	
(a)	Comparative Local Government	Gv4162
(b)	Comparative Public Enterprise	Gv4163
(c)	Administration and Government in New and Emergent States	Gv4122
(d)	Administration in Regional and Urban Planning	Gv4164
(e)	Regulation of the Economy by Government in the U.S.A.	Gv4130
(f)	Public Policy in Italy and France	Gv4165

and

- II. An essay of not more than 10,000 words written on an approved topic during the course of study

Candidates may, subject to the approval of their supervisor, substitute for one of the written papers listed in section 3 above any other paper which is offered for the M.Sc., LL.M. or M.A. The substituted paper is to be taken at the time when it is normally taken by candidates offering the course under which that paper is listed.

In exceptional circumstances, a candidate may be allowed, subject to the supervisor's approval, to substitute a second optional paper from 3 above, or from the M.Sc. in Social Policy and Planning or from any other paper which is offered for the M.Sc. in Politics, for one of the papers 1 or 2 above.

Part-time students may, with the approval of the School, take the examination in two parts. The first part will consist of up to two papers, taken after completion of courses for those papers. The second part will consist of the remaining paper(s) and the essay will be taken in the final year of the course. Part-time students who fail the first part of the examination may be permitted by the School to re-enter for the first part and to enter for the second part at the same examination and, if on that occasion the examination is failed, to make one further attempt at the whole examination.

**Dates of Examination**

Written papers	June
Essay	1 September

**Politics 7 — The Politics and Government of Western Europe****Duration of Course of Study**

*Full-time:* One calendar year. *Part-time:* Two calendar years.

**Examination**

Paper Number	Paper Title	Study Guide Number
I.	Three written papers	
1.	The Politics and Government of Western Europe	Gv4071
2.	One of the following:	
(a)	The Government and Politics of Germany	Gv4100
(b)	The Government and Politics of France	Gv4090
(c)	Government and Politics of Scandinavia	Gv4110

3. *Either* another paper from 2 above or *one* of the following:
- |     |   |        |
|-----|---|--------|
| (a) | European Multiparty Systems                   | Gv4072 |
| (b) | Public Policy in Italy and France             | Gv4165 |
| (c) | Comparative European Social Structures        | So6969 |
| (d) | European History Since 1945                   | Hy4540 |
| (e) | The Politics of Western European Institutions | IR4751 |
| (f) | The International Politics of Western Europe  | IR4750 |

and

- II. An essay of not more than 10,000 words written on an approved topic during the course of study

Candidates may, subject to the approval of their supervisor, substitute for one of the written papers listed in section 3 above any other paper which is offered for the M.Sc., LL.M. or M.A. The substituted paper is to be taken at the time when it is normally taken by candidates offering the course under which that paper is listed.

Part-time students may, with the approval of the School, take the examination in two parts. The first part will consist of up to two papers, taken after completion of courses for those papers. The second part will consist of the remaining paper(s) and the essay and will be taken in the final year of the course. Part-time students who fail the first part of the examination may be permitted by the School to re-enter for the first part and to enter for the second part at the same examination and, if on that occasion the examination is failed, to make one further attempt at the whole examination.

**Dates of Examination**

Written papers	June
Essay	15 September

**Politics 8 — Politics and Government in Africa**

(This course is not currently offered)

**Duration of Course of Study**

*Full-time:* One calendar year. *Part-time:* Two calendar years.

**Examination**

Paper Number	Paper Title	Study Guide Number
I.	Three written papers	
1.	African Government and Politics	Gv4121
2.	International Politics in Africa	IR4755
3.	Government and Politics of a Selected African State	Gv4120

and

- II. An essay of not more than 10,000 words written on an approved topic during the course of study.

Candidates may, subject to the approval of their supervisor, substitute for one of the written papers listed above any other paper which is offered for the M.Sc., LL.M. or M.A. The substituted paper is to be taken at the time when it is normally taken by candidates offering the course under which that paper is listed.

Part-time students may, with the approval of the School, take the examination in two parts. The first part will consist of up to two papers, taken after completion of courses for those remaining paper(s) and the essay and will be taken in the final year of the course. Part-time students who fail the first part of the examination may be permitted

by the School to re-enter the first and to enter for the second part at the same examination and, if on that occasion the examination is failed, to make one further attempt at the whole examination.

**Dates of Examination**

Written papers	June
Essay	15 September

**Politics 9 — Political Philosophy****Duration of Course of Study**

*Full-time:* One calendar year. *Part-time:* Two calendar years.

**Examination**

Paper Number	Paper Title	Study Guide Number
<i>Either</i> Three written papers and an essay written during the course <i>or</i> Four written papers		
1.	Greek Political Philosophy: The Concept of Justice	Gv4005
2.	Modern Political Philosophy: Freedom and Equality	Gv4006
3.	Set Text (candidates will choose from one of a list of specified authors)	Gv4010-18
4.	An essay of not more than 10,000 words, written on an approved topic during the course of study.	

Candidates may, subject to the approval of their supervisors, substitute for paper 3 above or for the essay any other paper which is offered for the M.Sc., LL.M. or M.A. The substituted paper is to be taken at the time when it is normally taken by candidates for the course under which it is listed.

**Dates of Examination**

Written papers	September
Essay	15 September

**Politics of the World Economy****Duration of Course of Study**

*Full-time:* One academic year. *Part-time:* Two academic years.

**Examination**

Paper Number	Paper Title	Study Guide Number
I.	Three written papers as follows:	
1.	International Political Economy	IR4639
2 & 3.	Two of the following chosen with the approval of the candidate's teachers	
(a)	Politics of Money in the World Economy	IR4642
(b)	International Business in the International System	IR4641
(c)	The Politics of International Trade	IR4643
(d)	The Economic Organization of the EEC	Ec2516
(e)	Economic Development	Ec1521
(f)	International Political Economy of Natural Resources	IR4644

and

- II. An essay of not more than 10,000 words written on an approved topic during the course of study

Candidates may, subject to the approval of their teachers substitute for one of the papers under 2 and 3 above any other paper which is offered for the M.Sc., LL.M., or M.A.

**Dates of Examination**

Written papers	June
Essay	June

**Regional and Urban Planning Studies****Duration of Course of Study**

*Full-time:* One calendar year. *Part-time:* Two calendar years.

**Examination**

Paper Number	Paper Title	Study Guide Number
I.	Three written papers as follows:	
1.	The Economics of Regional and Urban Planning	Ec2510
2.	Administration in Regional and Urban Planning	Gv4164
3.	Geographical Aspects of Regional and Urban Planning	Gv2860

and

- II. *Either* 1. An essay of not more than 10,000 words on an approved topic  
*or* 2. A report of not more than 10,000 words on practical exercises carried out during the course

and

- III. Candidates must also satisfy the examiners that they have achieved a sufficient level of attainment in statistics

**Dates of Examination**

Written papers	June
Essay/report	14 September

**Sea-Use Law, Economics and Policy-Making****Duration of Course of Study**

*Full-time:* One calendar year.

**Examination**

Paper Number	Paper Title	Study Guide Number
I.	Three written papers as follows:	
1.	Marine Science, Resources and Technology	
2 & 3.	Two papers from:	
(a)	International Law of the Sea	LL6060
(b)	National and International Problems in Sea-Use Policy-Making	SU4550
(c)	Economics	Ec2520
(d)	Financial Reporting and Management	Ac2150

and

- II. An essay of not more than 10,000 words on an approved topic.

**Dates of Examination**

Written papers	June
Essay	September

All students on this course will be required to spend two weeks at the University Marine Biology Research Laboratory.

**Social Administration and Social Work Studies****1. Social Policy and Planning****Duration of Course of Study**

*Full-time:* One academic year. *Part-time:* Two academic years.

**Examination**

<i>Paper Number</i>	<i>Paper Title</i>	<i>Study Guide Number</i>
I.	Three written papers as follows:	
1.	(a) Social Planning	SA6631
	or (b) Social Policy and Administration	SA6630
2 & 3.	Two of the following:	
	(a) A paper from 1 not already taken	
	(b) Planning of Health Services	SA6640
	(c) Income Maintenance and Social Security Policies	SA6641
	(d) Planning of Personal Social Services	SA6642
	(e) Housing and Urban Planning	SA6643
	(f) Education Policies and Administration	SA6644
	(g) Sociology of Deviant Behaviour	So6881
	(h) (With the consent of the candidate's teachers) a paper from any other M.Sc. course in the Faculty of Economics	

and

- II. A report of not more than 10,000 words on a topic approved by the candidate's teachers

Part-time students may with the approval of the School take the examination in two parts. The first part will consist of two papers, taken after completion of courses for those papers. The second part will consist of the remaining paper and the report and will be taken in the final year of the course. Part-time students who fail the first part of the examination may be permitted by the School to re-enter for the first part and to enter for the second part at the same examination and, if on that occasion the examination is failed, to make one further attempt at the whole examination.

**Dates of Examination**

Written papers	June
Report	20 June

**2. Social Work Studies****Additional Entry Qualifications**

Field work experience in a social work agency; candidates must also satisfy the selectors as to their personal suitability for social work.

**Duration of Course of Study**

*Full-time:* One calendar year.

**Examination**

<i>Paper Number</i>	<i>Paper Title</i>	<i>Study Guide Number</i>
I.	Three written papers as follows:	
1.	Social Work Studies	SA6700
2.	Social Problems and Social Services	SA6701
3.	Human Growth and Behaviour	SA6702

and

- II. Assessment of field work based on supervisors' report and an essay dealing with an aspect of this work approved by the candidate's teachers.

In order to be awarded the degree, a candidate must satisfy the examiners in all elements of the examination. A candidate who fails the examination and wishes to re-enter will be required to complete a further period of social work practice as required by the School, unless the examiners determine otherwise.

**Dates of Examination**

Written papers	June
Essay	1 September

**3. Social Policy and Social Work Studies****Duration of Course of Study**

*Full-time:* Two calendar years.

**Examination**

<i>Paper Number</i>	<i>Paper Title</i>	<i>Study Guide Number</i>
I.	Three written papers as follows:	
1.	Theories and Practice of Social Work	SA6680
2.	Psychology, Human Growth and Behaviour	SA6681
3.	Social Policy and Administration	SA6630

and

- II. Assessment of fieldwork based on supervisors' reports and a report of not more than 10,000 words dealing with an aspect of this work approved by the candidate's teachers

In order to be awarded the degree, a candidate must satisfy the examiners in all elements of the examination. A candidate who fails the examination and wishes to re-enter will be required to complete a further period of social work practice as directed by the School, unless the examiners determine otherwise.

**Dates of Examination**

Written papers	June
Report	1 September

**Social Anthropology****Duration of Course of Study**

*Full-time:* One calendar year. *Part-time:* At least two calendar years.

**Examination**

Paper Number	Paper Title	Study Guide Number
I.	Three written papers as follows:	
1.	General Principles of Social and Cultural Anthropology	An2210
2.	Political and Economic Institutions	An2211
3.	Magic and Religion	An2212

and

- II. An essay of not more than 10,000 words on an approved topic within one of the following fields:
- Ethnography of a Region with Special Reference to Selected Peoples (any region indicated for the B.A. degree in Anthropology examination, or Latin America, or the Mediterranean, may be offered)
  - Applied Social Anthropology
  - Social Change in Developing Societies
  - Social Anthropological Studies of Sectors of Complex Modern Societies
  - Anthropological Linguistics
  - Primitive Technology
  - Primitive Art
  - Islamic Societies and Cultures
  - Any other topic approved by the candidate's teachers.

Part-time students may, with the approval of the School, take the examination in two parts. The first part will consist of two papers taken after completion of courses for those papers. The second part will consist of the remaining paper and the essay, and will be taken in the final year of the course. Part-time students who fail the first part of the examination may be permitted by the School to re-enter for the first part and to enter for the second part at the same examination and, if on that occasion the examination is failed, to make one further attempt at the whole examination.

**Dates of Examination**

Written papers	June
Essay	15 September

**Social Philosophy****Duration of Course of Study**

- Full-time:* One academic or calendar year, depending on the Scheme of Examination.
- Part-time:* Two academic or calendar years, depending on the Scheme of Examination.

**Examination**

Paper Number	Paper Title	Study Guide Number
I.	Three written papers selected with the approval of the candidate's teachers as follows (Papers (d), (e) and (f) under 3 below are not available to candidates who do not possess a first degree in philosophy or equivalent training in philosophy):	
1.	Social Philosophy	Ph6250
2.	Philosophy of the Social Sciences	Ph6208

## 3. One of the following:

(a)	Logic	Ph6201
(b)	History of the Philosophy of Science	Ph6204
(c)	Metaphysics and Epistemology	Ph6205
(d)	A paper in Social Anthropology	
(e)	An approved paper in Sociology	
(f)	An approved paper from any other course for the M.Sc. in the Faculty of Economics normally taken in June	

and

- II. An essay of not more than 10,000 words, normally on a topic falling within the field of papers 1 and 2

Candidates may be permitted to substitute for paper 2 a further paper listed under 3 above. Exceptionally, candidates may be permitted to substitute for the essay a further paper listed under 3 above.

**Dates of Examination**

Written papers	June
Essay	15 September

**Social Planning in Developing Countries****Additional Entry Qualification**

Several years' practical experience in relevant work.

**Duration of Course of Study**

*Full-time:* One calendar year.

**Examination**

Paper Number	Paper Title	Study Guide Number
I.	Three written papers as follows:	
1.	Social Policy and Planning in Developing Countries	SA6760
2 & 3.	Two of the following:	
(a)	Planning Health Development	—
(b)	Planning Welfare Services and Social Security	SA6762
(c)	Social and Economic Aspects of Urbanization	SA6763
(d)	Rural Development	SA6764
(e)	Social Implications of Education and Manpower	SA6765
(f)	An approved paper from another branch of M.Sc. study	

and

- II. An essay of not more than 10,000 words on an approved topic

**Dates of Examination**

Written papers	Third week of June
Essay	The last Friday in August

**Social Psychology**

Courses relevant to four papers, as given below, and a report of not more than 10,000 words on an approved topic. In addition, the curriculum will include Methods of

Research in Social Psychology which will comprise two sections: (a) research assignments and designs, together with a formally assessed course on methods of research, and (b) weekly exercises in statistics and computing, together with a statistics test.

#### Duration of Course of Study

*Full-time:* One academic year. *Part-time:* At least two academic years.

#### Examination

Students are required to be examined on elements to a total of four units, as detailed below. All elements other than "Contemporary Social Psychology" and "Methods of Research in Social Psychology" are half-units. The examination for each half-unit, other than the Report, will be by means of a two-hour unseen examination paper and an essay written during the year. Paper I, "Contemporary Social Psychology", will be examined by means of a three-hour unseen examination paper and two essays written during the year.

Paper Number	Paper Title	Study Guide Number
I	Contemporary Social Psychology	Ps6423
II	Three of the following, selected with the approval of the candidate's teachers:	
	(a) Applied Developmental Psychology	Ps6414
	(b) Personality and Social Pathology	Ps6415
	(c) Sociological Forms of Social Psychology	Ps6422
	(d) The Social Psychology of the Media	Ps6416
	(e) Psychological Aspects of Legal Processes	Ps6417
	(f) Life-Span Development	Ps6418
	(g) Decision Making and Decision Support Systems	Ps6419
	(h) People and Organisations	Ps6420
	(i) The Social Psychology of Conflict ( <i>not available 1985-86</i> )	Ps6421
	(j) An approved paper from any other course for the M.Sc. in the Faculty of Economics	
	Options will not all necessarily be available in any one year.	
III	A Report of not more than 10,000 words on a project approved by the candidate's teachers	Ps6499
IV	Methods of Research in Social Psychology	Ps6498
	Assessment of course work in the form of research assignments and designs, formal assessments in methods of research and in statistics, weekly exercises in statistics and computing, and a statistics test.	
	Candidates allowed to take a three-hour written paper under II (j) will be required to take only one other paper under Section II.	

Students following a part-time course may, with the approval of the School, take the examination in two parts. The first part will normally consist of assessment of those parts of the course work already completed, and either Paper I or two papers under II. It will be taken after completion of the appropriate courses. The second part will consist of the remaining elements of the examination, and will be taken in the final year of the course. Part-time students who fail the first part of the examination may be permitted by the School to re-enter for the first part and to enter for the second part at the same examination and, if on that occasion the examination is failed, to make one further attempt at the whole examination.

#### Dates of Examinations

Written papers June  
Report 30 June, or two weeks after the date of the last written paper whichever is the later.

#### Sociology

##### Duration of Course of Study

*Full-time:* One calendar year. *Part-time:* Two calendar years.

##### Examination

Paper Number	Paper Title	Study Guide Number
I.	Three papers as follows:	
1.	Methods of Sociological Study	So6800
2 & 3.	Two of the following	
	(a) Social Structure of Industrial Societies	So6830
	(b) Sociology of Development	So6831
	(c) Sociology of Deviant Behaviour	So6881
	(d) Sociology of Religion	So6880
	(e) Industrial Sociology	Id4221
	(f) (i) Theories of Political Sociology	So6853
	or (ii) Political Stability and Change	So6852
	(g) Medical Sociology	So6882
	(h) Sociological Theory	So6815
	(i) Nationalism	So6850
	(j) The Political Sociology of Latin America	So6854
and		
II.	An essay of not more than 10,000 words on an approved topic	

In exceptional circumstances, and subject to the approval of their teachers, candidates may substitute for paper 1 a further paper from 2 and 3 above. A paper from any other course for the M.Sc. in the Faculty of Economics may, with the approval of the teachers concerned, be substituted for one paper taken under 2 and 3. The substituted paper is to be taken at the time when it is normally taken by candidates offering the course under which the paper is listed.

Students following a part-time course may, with the approval of the School, take the examination in two parts. The first part will consist of two papers. The second part will consist of the remaining paper and the essay, and will be taken in the final year of the course.

Part-time students who fail the first paper of the examination may be permitted by the School to re-enter for the first part and to enter for the second part at the same examination, and, if on that occasion the examination is failed, to make one further attempt at the whole examination.

#### Dates of Examination

Written papers June  
Essay 1 September

#### Sociology and Statistics

##### Additional Entry Qualifications

A candidate who wishes to take a combination of subjects for which, given the candidate's previous qualifications, one year's work is likely, in view of the teachers concerned, to be inadequate, may be permitted to take the course over two years, the

first year of which would be devoted wholly or partly to preliminary courses in appropriate subjects, followed by a qualifying examination before admission to the second year.

#### Duration of Course of Study

*Full-time:* One calendar year or two calendar years (see above).

*Part-time:* Two calendar years (or longer if required — see above)

#### Examination

- I. Candidates will be examined on courses to the value of three whole units selected with the approval of the candidate's teachers. Unless otherwise specified, all courses in the list below have a value of one whole unit and are examined by means of a three-hour paper. Half-units are examined by means of a two-hour paper.

Paper Number	Paper Title	Study Guide Number
1 & 2.	Papers to the value of two whole units selected from the following:	
(a)	Statistical Sources, Packages and Data Analysis ( $\frac{1}{2}$ unit)	SM8254
(b)	Stochastic Processes ( $\frac{1}{2}$ unit)	SM8203
(c)	Sampling Theory and Multivariate Methods ( $\frac{1}{2}$ unit)	SM8255
(d)	Basic Time Series and Forecasting: Robust Methods and Nonparametrics ( $\frac{1}{2}$ unit)	SM8256
(e)	Multivariate Analysis and Linear Models ( $\frac{1}{2}$ unit)	SM8257
(f)	Survey and Market Research Methods ( $\frac{1}{2}$ unit)	SM8261
(g)	Models of Social Processes ( $\frac{1}{2}$ unit)	SM8213
(h)	Statistical Techniques	SM8258
(i)	In exceptional cases, a course examined by a three-hour paper from another M.Sc. course in the faculty of Economics	
3.	One of the following	
(a)	Social Structure of Industrial Societies	So6830
(b)	Sociology of Development	So6831
(c)	Sociology of Deviant Behaviour	So6881
(d)	Sociology of Religion	So6880
(e)	Industrial Sociology	Id4221
(f)	Race Relations	So6851
(g)	(i) Theories and Concepts of Political Sociology or (ii) Political Stability and Change	So6853
(h)	Sociological Theory	So6852
(i)	Nationalism	So6850

and

- II. A report of not more than 10,000 words on a subject to be approved by the candidate's teachers falling within the range of options in paper 3 but excluding the field chosen for the written paper. The report must demonstrate the candidate's ability to apply quantitative methods to an appropriate field within Sociology.

Part-time students may, with the approval of the School, take the examination in two parts. The first part will consist of papers to the value of two whole units, taken after completion of courses for those papers. The second part will consist of the remaining paper(s) and the report and will be taken in the final year of the course. Part-time students who fail the first part of the examination may be permitted by the School to re-enter for the first part and enter for the second part at the same examination, and, if on that occasion the examination is failed, to make one further attempt at the whole examination.

#### Dates of Examination

Written papers	June
Report	1 September

#### Statistics

##### Duration of Course of Study

*Full-time:* One academic year. *Part-time:* At least two academic years.

##### Examination

Students are required to be examined on courses to a total of four whole units. All courses detailed below are half-units unless specified to the contrary. The examination for each half-unit will normally be by means of a two-hour unseen written examination paper. For each whole unit the examination will normally be by means of a three-hour unseen written examination. In addition course work may also be assessed.

Paper Number	Paper Title	Study Guide Number
I.		
1.	Statistical Sources, Packages and Data Analysis	SM8254
2.	Stochastic Processes	SM8203
3.	Sampling Theory and Multivariate Methods	SM8255
4.	Basic Time Series and Forecasting; Robust Methods and Nonparametrics	SM8256
II.	Courses totalling four half-units II.1 to II.13	
1.	Multivariate Analysis and Linear Models	SM8257
2.	Time Series	SM8259
3.	Survey and Market Research Methods	SM8261
4.	Models of Social Processes	SM8213
5.	Statistical and Economic Aspects of Educational Planning	SM8214
6.	Advanced Econometrics (whole unit)	Ec2562
7.	Mathematical Programming 1	SM8354
8.	Computer Modelling for Operational Research	SM8349
9.	Demographic Techniques and Analysis (whole unit)	SM8110
10.	Mathematics (by special arrangement only) (whole unit)	
11.	A project on some topic approved by the student's teachers (by special arrangement only) (whole unit)	
12 & 13.	Any other subject(s) approved by the student's teachers	

Not all the courses listed in Part II will necessarily be available every year.

Part-time students will usually take the examination in two parts. The first part will consist of four half-units at least two of which are from I.1 to I.4, and will be taken after the completion of the courses for those papers. The second part will consist of the remaining requirements of the examination and will be taken in the final year of the course. Part-time students who fail the first part of the examination may be permitted by the School to re-enter for the first part and to enter for the second part at the same examination, and if on that occasion the examination is failed to make one further attempt at the whole examination.

#### Dates of Examination

Written papers	June
Report	1 June

## M.Sc. in the Faculty of Science

### Mathematics

#### Additional Entry Qualifications

A candidate for registration will normally be expected to have obtained a B.Sc. with First or Second Class honours of the University of London, or an equivalent qualification, with Mathematics (or an appropriate branch of Mathematics) as a main field of study. In certain cases, qualifications in other subjects may be acceptable, for example, a First or Second Class Honours degree in Physics or Astronomy.

#### Curriculum

- Candidates are required to follow a number of lecture courses and to work on a project. The project shall be approved by the student's Head of Department on behalf of the University. It need not be connected with any of the courses taken.
- The combination of courses to be offered by a student for examination must be approved by the University through the student's Head of Department. The courses may not overlap in any important respect and together must form a coherent curriculum.
- A candidate may enter for the examination only in examinable courses listed in the booklets entitled 'Advanced and Postgraduate Lectures in Pure Mathematics', and 'Advanced and Postgraduate lectures in Applied Mathematics' (a copy of which may be obtained from the Secretary of the Graduate School). The School's contribution is chiefly in the areas of Mathematical Logic and Operational Research.
- The detailed regulations on the numbers of courses to be taken are available for inspection in the Graduate School Office.

#### Duration of Course of Study

For a suitably qualified student, not less than one calendar year of full-time study or not less than two years of part-time study. If a qualifying examination is prescribed, the prescribed period of study for the M.Sc. will only commence after the student has satisfied the qualifying conditions. In some cases candidates may be registered for a course of two calendar years of full-time study with a qualifying examination of the standard described above at the end of the first year.

#### Examination

Each course is examined separately and the examination is normally by a written paper. Candidates are required to submit a report based on their project. The examiners may hold an oral examination.

A student following a part-time course may either (a) on completion of his course enter for the examination or (b) enter on two occasions (at the end of appropriate academic years) for examination on any of the approved courses completed, provided that the total number of courses examined is the same as is required for the whole examination. Under (b) the first examination shall consist of at most 2 course-units, including at least  $\frac{1}{2}$  course-unit at the postgraduate level.

#### Dates of Examination

Course examinations: the last week of May and the month of June.  
Report: by 10 September.

## M.A. in the Faculty of Arts

### International History

The course will extend over one academic year, or in the case of part-time students over two academic years.

The Examination will consist of three papers and a dissertation.

Examiners may also take into account any seminar papers prepared by a candidate during the course.

Candidates will not be permitted to submit the dissertation unless they have satisfied the examiners in the three written papers.

A knowledge of at least one European language in addition to English is advisable, and for certain courses, will be essential. The requisite language or choice of languages is listed in brackets after every topic under 3.

Paper Number	Paper Title	Study Guide Number
1.	One of the following general periods, including a knowledge of its sources and historiography:	
	(a) 1815-1870	Hy4409
	(b) 1870-1914	Hy4412
	(c) 1914-1946	Hy4415
2.	Diplomatic theory and practice in one of the following periods, to be selected with the appropriate period under Paper 1:	
	(a) 1815-1919	Hy4428
	(b) 1919-1946	Hy4431
3.	A special aspect, to be studied with the appropriate period under Paper 1. Candidates will be expected to show knowledge of set printed sources and relevant monographs and articles:	
	(a) The Polish Question in International Relations, 1815-1864 (French, German or Polish required)	
	(b) Anglo-American Relations, 1815-1872	
	(c) The Habsburg Empire 1815-1853, with special reference to the Revolutions of 1848 (German advised)	
	(d) The Mehemet Ali Crises, 1833-1841 (French required)	
	(e) Cobden, Free Trade and Europe 1846-1880 (French advised)	
	(f) The Coming of War, 1913-1914 (French or German advised)	
	(g) The Powers and the West Pacific, 1911-1941 (French advised)	
	(h) The Peace Settlement of 1919-1921 (French advised)	
	(i) The Foreign Policy of the Weimar Republic, 1919-1933 (German required)	
	(j) The Military Policies of the Great Powers, 1919-1939 (French or German advised)	
	(k) The Comintern and its Enemies, 1919-1943 (French, German or Russian advised)	
	(l) The Period of 'Appeasement', 1937-1939 (French, German or Italian required)	
	(m) The European Settlement, 1944-1946 (French advised)	
4.	Dissertation, of not more than 10,000 words.	

#### Dates of

Examination	Full-time	Part-time
Written papers	June	June of the final year
Dissertation	By 30 September of the same year	By 30 September of the same year

### Area Studies

The School co-operates in the teaching for certain branches of the M.A. Area Studies degree offered by the University of London.

#### Duration of Course of Study

*Full-time:* One academic year for candidates offering four written papers. One calendar year for candidates offering three written papers and a dissertation.

*Part-time:* Two academic years for candidates offering four written papers. Two calendar years for candidates offering three written papers and a dissertation.

#### Examination

For all programmes other than European Community Studies (1) *either* two papers or one paper and a dissertation of 10,000 words on a major subject and (2) *either* two papers on a minor subject or one paper in each of two minor subjects. For the Africa and Far East programmes the examination will also include an assessment of course work.

For the programme in European Community Studies: three written papers and a dissertation of 10,000 words.

Candidates registered for the part-time course will be required to pass in all written papers taken in any one year before proceeding.

All candidates who fail the written papers will normally be required to be accepted for and to complete a further course of study before re-entering the examination.

Candidates offering a dissertation will not be permitted to proceed to its submission unless they have satisfied the examiners in the three written papers.

Dates of Examination	Full-time	Part-time
Written papers	June	June of the year in which each major and minor subject has been taken
Dissertation	Before 30 September of the same year	Before 20 September of the final year

## LL.M. in the Faculty of Laws

#### Additional Entry Qualifications

A first degree with a substantial law content.

#### Duration of Course of Study

*Full-time:* A period of twelve months commencing October.

*Part-time:* A period of twenty-four months commencing in October.

#### Curriculum

Candidates must offer four of the full subjects (or three of the full subjects and two of the half-subjects) listed below, or with the leave of the School, three of the full subjects (or two of the full subjects and two of the half-subjects) listed below and an essay written during the course of study on an approved legal topic.

In place of one of the full subjects listed below a candidate may exceptionally be permitted (with the permission of the School) to select a complementary subject of equivalent level examined by means of written papers from any other Master's course in the University. Any subject so selected must be submitted for approval to the University, normally *early in the first term* of the session in which the candidate is first registered. The examination in the substituted subject will take place at the time specified in the regulations for the course under which that paper is listed.

#### Examination

*Either* written papers on each of the subjects\* selected,  
*or* with the leave of the School

1 a written paper on each of the subjects\* selected:

*and* 2 an essay of not more than 15,000 words on a legal topic approved by the School and notified to the University. The essay must provide evidence of original work or a capacity for critical analysis. The title of the essay must be notified to the University by the last day of February in the year in which the candidate presents himself for examination. The essay must be submitted in duplicate in typescript;

*and* 3 an oral examination (unless the examiners otherwise determine).

Questions may be set on recent legislation and current proposals for law reform within the scope of the syllabus.

Statutes and other materials may not be brought into the examination room except in accordance with the following regulations:

candidates are permitted to take into the examination

- (1) a Queen's Printers copy of any statute which the Board of Examiners for the time being has prescribed
- (2) a copy of any other materials which the Board of Examiners for the time being has prescribed.

Personal annotation on statutes and other materials permitted to be taken into the examination is forbidden.

Part-time students may take the examination in two parts; further information is available from the Graduate School Office.

Dates of Examination	Full-time	Part-time
Written	Between 25 August and 15 September	Between 25 August and 15 September
Essay	1 July	1 July of final year

#### Subjects of Study

Seminars marked with an asterisk in the list below are given by teachers of the School. Those not so marked are given at other Colleges of the University. Students registered at this School must choose at least *two* subjects marked with an asterisk.

Paper Number	Paper Title	Study Guide Number
1.	Jurisprudence and Legal Theory	
2.	Law and Social Theory*	LL6003
3.	Modern Legal History	
4.	Legal History	
5.	Administrative Law	
6.	Public Interest Law*	LL6156
7.	Comparative Constitutional Law I*	LL6150
8.	Comparative Constitutional Law II	
9.	Comparative Constitutional Law III	
10.	The Principles of Civil Litigation*	LL6010
11.	Evidence and Proof	
21.	Company Law*	LL6076
22.	Insurance	
23.	Marine Insurance*	LL6142
24.	Carriage of Goods by Sea*	LL6140
25.	Maritime Law	
26.	Law of Personal Taxation*	LL6101
27.	Law of Business Taxation*	LL6100
28.	Law of Credit and Security	

\*Except for paper 1, Jurisprudence and Legal Theory and paper 2, Law and Social Theory, an essay of 8,000 words must be submitted in addition to the formal examination.



29. Commercial Arbitration
30. Legal Responsibilities of Banks (*half-subject*)
31. Corporate Insolvency (*half-subject*)
32. Corporate Securities Regulations (*half-subject*)
41. Industrial and Intellectual Property\* LL6075
42. Modern Information Law (*half-subject*)
43. Franchising Law (*half-subject*)
44. Aspects of Technology Transfer (*half-subject*)
45. Law of Management and Labour Relations\* LL6111
46. Individual Employment Law\* LL6110
47. Monopoly, Competition and the Law\* LL6032  
(Candidates offering this subject may not offer the special subject (b) Community Law relating to Competition in subject 66, European Community Law, nor subject 67 European Community Competition Law)
48. Economic Analysis of Law\* LL6030
49. International and Comparative Labour Law
51. The Law of Property Development
52. The Law of Charities and Voluntary Organizations
53. The Law of Landlord and Tenant
54. Planning and Environmental Control
55. Law of Estate Planning
56. The Law of Restitution\* LL6085
57. Housing Law: Public Provision and Standards
61. Comparative Law of Contract in Roman and English Law
62. Comparative European Law  
(Candidates taking the Soviet Law option for this subject may not take subject 107, Soviet, East European and Mongolian Law)
63. Comparative Criminal Law and Procedure\* LL6120
64. Comparative Family Law\* LL6018  
(Candidates taking this subject may not take Special Subject (h) of 107, Soviet, East European and Mongolian Law. Candidates taking option (4) for this paper – The Law of the Overseas Chinese Communities in Singapore and Hong Kong – may not offer subject 105, Chinese Customary Law)
65. Comparative Conflict of Laws
66. European Community Law\* LL6015  
(Candidates offering special subject (b) Community Law relating to Competition may not offer subject 47, Monopoly, Competition and the Law, nor subject 67, European Community Competition Law)
67. European Community Competition Law\* LL6031  
(Candidates offering this subject may not offer the special subject (b) Community Law relating to Competition in Subject 66, European Community Law, nor subject 47, Monopoly, Competition and the Law)
68. Comparative Commercial Law of the Middle East
69. Legal Framework of East-West Trade (*half-subject*; candidates offering this *half-subject* may not offer the Special Subject (m) in subject 107)
71. History of International Law
72. Methods and Sources of International Law

73. Comparative Approaches to International Law
74. Law of International Institutions\* LL6048
75. Law of European Institutions\* LL6049
76. Air and Space Law I
77. Air and Space Law II
78. International Law of the Sea\* LL6060
79. International Economic Law\* LL6054
80. International Law of Armed Conflict and the Use of Force
81. Legal Aspects of Defence Studies
82. International Business Transactions\* LL6033
83. International Law of Natural Resources\* LL6057
84. Multinational Enterprises and the Law\* LL6061
85. Legal Aspects of International Finance
91. Law of Treaties
92. International Protection of Human Rights\* LL6052
101. African Law
102. Law of Land and Natural Resources in Africa South of the Sahara
103. Law and Society in South Asia
104. Islamic Law
105. Chinese Customary Law
106. Modern Chinese Law
107. Soviet, East European and Mongolian Law\* LL6176  
(Candidates taking Special Subject (h) of this subject may not take subject 64, Comparative Family Law. (Candidates taking Special Subject (m) of this subject may not take half-subject 69.) Candidates taking any part of this subject may not take the Soviet Law option under subject 62, Comparative European Law)
111. Theoretical Criminology\* LL6121
112. Applied Criminology\* LL6122
113. Sentencing and the Penal Process\* LL6124
114. Juvenile Justice
115. Child Law

### The Degrees of M.Phil. and Ph.D.

The degrees of Master of Philosophy and Doctor of Philosophy may be conferred (in the Faculties of Economics, Arts, Laws and Science as appropriate) in every field for which the School offers teaching.

#### General regulations and qualifications for admission

The minimum entrance required by the University of London for admission to the M.Phil. or the Ph.D. is a Second Class honours degree, but the School will normally expect candidates to have obtained Upper Second Class honours or qualifications of equivalent standard; candidates wishing to read for a Ph.D. may be expected to have obtained a Master's degree of this or another university.

Candidates whose initial qualifications in the field of study they wish to pursue are held by the School to be insufficient may be required to follow a course of study and to pass a preliminary examination not less than a year before submission of the dissertation.

Students wishing to read for the Ph.D. will normally be registered for the M.Phil. in the first instance, from which they may be transferred to Ph.D. registration (with fully retrospective effect) if their work is of a suitable standard.

The University Regulations specify conditions of registration in certain subjects as follows:

*Geography (M.Phil.)*

A candidate must normally have obtained a B.A. or B.Sc. degree of the University of London with first or upper second class honours and Geography as the main field of study, or an M.Sc. degree in Geography of the University of London, or other degree accepted as equivalent to these degrees for this purpose. Other candidates may be accepted for registration, but will normally be required to pass a qualifying examination at which the standard will be at least upper second class honours.

*History (M.Phil. and Ph.D.)*

A candidate shall be required to have obtained a first or second class honours degree in History from a British university or another degree accepted as equivalent for this purpose. A candidate who does not fulfil this condition may be required to pass a qualifying examination before registration. Such candidates will be required to reach at least lower second class honours standard in each paper taken.

*Philosophy (Ph.D.)*

A candidate who does not possess the M.A. or M.Phil. degree in Philosophy must produce evidence of his competence to undertake research work of the standard required.

*Psychology (M.Phil.)*

A candidate must normally have obtained a second class honours degree of a UK university or of the CNAAB, having Psychology as the main field of study or other degree accepted by the University as equivalent (including an appropriate Master's degree). Other candidates may be accepted for registration but will normally be required to pass a qualifying examination.

*Psychology (Ph.D.)*

A candidate must normally have obtained a B.A. or B.Sc. degree of the University of London with first or upper second class honours or other degree accepted by the University as equivalent. Other candidates will normally be registered in the first instance for the M.Phil. degree.

*Social Administration and Social Work (M.Phil.)*

A candidate will be required to hold a degree normally with at least upper second class honours. A candidate holding a degree of a lower classification may be considered for registration but will normally be required to pass a qualifying examination as a condition of registration. A qualifying examination may be prescribed for any candidate.

*Statistics (Ph.D.)*

A candidate who does not possess a M.Phil. degree in Statistics of the University will normally be required to register in the first instance for the M.Phil. degree.

**The course of study**

Every student is required to pursue a regular course of study at the School under supervision of a Recognised Teacher or Teachers of the University. In most subjects, however, there are forms of collective assessment and review of students' progress including teachers other than the students' own supervisor. Students may be required to attend formal tuition (and to pass examinations) in subjects relevant to their research, and in research methods. Decisions as to whether or not to recommend their transfer to Ph.D. registration may also be a matter for such a collective decision. Students are advised to come to a clear understanding as soon as possible of what is expected of research students in their subject. In cases of difficulty the Dean of the Graduate School should be consulted.

The course of study will extend over not less than two academic years for full-time students, and two years for part-time students for the M.Phil. or three years for part-time students for the Ph.D. The course length will be calculated in calendar years for students registering at any time other than the beginning of the academic year.

Students registered for the following subjects are expected to attend the programme of studies indicated.

*Sociology*

Students registered for the M.Phil. in Sociology will normally be required by the Department of Sociology to attend the Research class for M.Phil. students during the first year of their registration. In this course they will be required to present, normally during the Summer Term, a paper of about 2,500 words on the design of their intended research project. This must be of a standard satisfactory to the Sociology Department.

In addition, students may be expected to attend up to two further courses as agreed by their supervisors and the Department during their first year registration. They may be required to attain a standard satisfactory to the Department in either or both of these courses. If a student has an inadequate grounding in methodology, one of these courses may be Design and Analysis of Social Investigation.

*Economics*

A structured programme will normally be followed by students for the M.Phil./Ph.D. in Economics. The goal of the programme is to facilitate the transition from M.Sc. work to active research by incorporating an element of directed course work in the first year. In addition to course work, participation in research training is required in the first year of work towards the M.Phil./Ph.D.

The traditional M.Phil./Ph.D. essentially by thesis only is available at the discretion of the Economics Department. Typically this discretion is exercised for students who have gained professional experience and have a well-formulated research programme.

The course work in the first year has four elements, two courses and two seminars. The course normally are Topics in Economic Analysis and one other course suited to the student's research interests to be agreed individually with the Department. The seminars are one in Research Strategy and one in which research material is presented and discussed. In order to proceed to research in subsequent years students must pass examinations in their two courses and show progress with their research.

The first examination will consist of two papers as follows:

Paper Number	Paper Title	Study Guide Number
1.	Topics in Economic Analysis	Ec2495
2.	Normally a paper from the M.Sc. in Economics to be approved by the Department	

In addition, students will be required to participate in the following:

3. Seminar in Research Strategy
4. A seminar for research students in Economics

**Retrospective transfer to the Ph.D.**

If, as a result of the process of assessment and review referred to in 'The course of study' above, it is decided that a student's work is appropriate to registration for the Ph.D. degree, the student may be transferred to registration for the Ph.D. provided that the student's entrance qualifications have been approved for registration for the Ph.D. degree. The University's permission for transfer may be sought on behalf of those students whose qualifications have not been approved for Ph.D. registration. Where this is permitted, the student may be allowed to count for all or part of the period of registration for the M.Phil. degree, towards registration for the Ph.D. degree.

**Leave of absence for research**

Leave of absence, under proper conditions, may be permitted if the material for the thesis exists elsewhere. A student granted leave of absence must in addition be in attendance at the School during the period of registration for the degree for not less than three terms (six terms for part-time students for the Ph.D.); neither the first nor the last term of the minimum course can be counted as leave of absence.

**Thesis requirements**

As soon as possible after registration, students should decide with their supervisor(s) the subject of their research and inform the Graduate School Office. Subsequent changes of the field of research should also be reported to the Graduate School Office since, if they are substantial or have been made long after registration, they may need the consent of the Graduate School Committee. The final thesis title must be approved by the Committee, on the recommendation of the supervisor(s) (see the section on Examination Arrangements below).

The greater portion of the work submitted in a thesis must have been done after the registration of the student as a candidate for the M.Phil. or the Ph.D. degree.

The thesis must consist of the candidate's own account of his or her research. It may describe work done in conjunction with his or her supervisor and/or fellow research workers, provided that the candidate clearly states his or her personal share in the investigation, and that this statement is certified by the supervisor.

The candidate must indicate how far the thesis embodies the result of his or her own research or observation, and in what respects his or her investigations appear to him or her to advance the study of the subject. Work already published (including that published in joint names) may be included only if it forms an integral part of the thesis and thereby makes a relevant combination to the main theme of the thesis. A series of publications alone is not acceptable as a thesis. All theses must include a full bibliography and references.

A candidate will not be permitted to submit a thesis which has been submitted for a degree or comparable award in this or any other university or institution, but a candidate shall not be precluded from incorporating work already submitted for a degree in this or any other university or institution in a thesis covering a wider field, provided that the candidate shall indicate on the entry form and also on the thesis any work which has been so incorporated.

**An M.Phil. thesis** shall be either a record of original work or an ordered and critical exposition of existing knowledge in any field. In the following fields the thesis or dissertation for the M.Phil. degree shall not normally exceed the number of words indicated, but a candidate wishing to exceed the prescribed limit may apply for permission to the University through the supervisor, such application being made at least six months before the presentation of the thesis or dissertation.

Fields in the Faculty of Economics: 55,000.

Geography: 40,000

History: 75,000 (inclusive of footnotes and appendices, other than documentary or statistical appendices, but exclusive of bibliography). This number of words does not apply to editions of a text or texts.

Philosophy: 30,000 (nor be less than 25,000)

Social Administration: 55,000 (inclusive of footnotes and appendices, but exclusive of bibliography).

**A Ph.D. thesis** must form a distinct contribution to the knowledge of the subject and afford evidence of originality, shown either by the discovery of new facts or by the exercise of independent critical power. It must be written in English and the literary presentation must be satisfactory, and, if not already published in an approved form it must be suitable for publication either as submitted or in an abridged or modified form.

In the following fields the thesis shall not normally exceed the number of words indicated but a candidate wishing to exceed the prescribed limit may apply for

permission to the University through the Graduate School Office, such application being made at least six months before the presentation of the thesis:

Anthropology: 100,000, excluding notes, bibliography and appendices.

Economics and Sociology: 100,000, inclusive of footnotes and appendices, but exclusive of bibliography; this regulation does not apply to editions of a text or texts.

Geography and Philosophy: 75,000

History: 100,000, inclusive of footnotes and appendices, other than documentary or statistical appendices, but exclusive of bibliography.

Social Administration: 100,000 words inclusive of footnotes and appendices, but exclusive of bibliography.

**Use of confidential material in theses**

As indicated below, access to successful M.Phil. or Ph.D. theses may be restricted, but the University will *not* allow access to be restricted if the reason given is that the thesis contains sensitive or confidential material. To satisfy the criteria for the award of a research degree, theses should be available for teaching and study purposes, and should be based on material that can be checked; the University believes that these should not be based on evidence which cannot be substantiated or tested by other researchers or which is given under conditions which render the thesis inaccessible to other researchers.

**Collection of material outside the School**

Research students wishing to issue questionnaires or collect unpublished material outside the School must secure their supervisor's approval before doing so; if the School's address is to be used, the text of any communication must be approved by the supervisor before it is sent.

**Examination arrangements**

Research degree students are asked to discuss with their supervisor(s) arrangements for the submission of their theses at least a year before their proposed date of submission, so as to avoid administrative difficulties.

**Thesis Title and Requirements**

The final thesis title should be submitted, with the supervisor's recommendation, to the Graduate School Committee through the Graduate School Office, about nine months before the proposed date of submission.

For the University's Regulations concerning the length of the thesis, see the regulation for each degree (above).

The University's detailed instructions on layout and presentation are issued to candidates with the examination entry form.

**Entry for Examination**

Examination entry forms are available from the Graduate School Office, and should be returned about three or four months before the proposed date of submission. With the entry form, every candidate is required to submit a signed statement authorising the University to make the thesis available for public reference, inter-library loan, photocopying, micro-filming and publication in a list and central file of abstracts; a copy of the full text of this declaration is available from the Graduate School Office. Candidates may apply to the University to retain the sole right to grant access to the thesis for up to five years (but not on the grounds of confidentiality, see "Use of confidential material in theses" above).

Candidates are invited to submit as subsidiary matter in support of their candidature any printed contribution or contributions to the advancement of the subject which they

may have published independently or conjointly. If candidates submit such subsidiary matter they will be required to state fully their own share in any conjoint work.

The thesis or dissertation may be submitted on or after the first day of the month following that in which the prescribed course is completed. A candidate who is required to pursue a course extending over a specified number of academic years will be permitted to submit the thesis or dissertation on or after 1 June of the relevant year.

A candidate who will not be ready to submit the thesis or dissertation at the end of the prescribed course may defer submission of the form of entry up to one calendar year from the completion of the course. A candidate who does not submit the form of entry within one calendar year may apply to the School for permission to enter the examination.

If a candidate has not submitted the thesis or dissertation for examination within eighteen months after submission of the form of entry for the examination the entry will be cancelled.

Every candidate who is unsuccessful at the examination will be required on re-entry to comply with the regulations in force at the time of re-entry.

Candidates are reminded that the decision to submit a dissertation or thesis in any particular form rests with the candidate alone and that the outcome of the examination is determined by two or more examiners acting jointly.

#### Examination

- (a) For the purpose of the oral, practical or written examination held in connection with a thesis or dissertation, candidates will be required to present themselves at such a place as the University may direct and upon such a day or days as shall be notified.
- (b) After the examiners have read the thesis or dissertation they may, if they think fit, and without further test, determine that the candidate has not satisfied them in the examination.
- (c) Except as provided in paragraphs (b) and (e), the examiners, after reading the thesis or dissertation, shall examine the candidate orally, and at their discretion, by written papers or practical examinations or by both methods, on the subject of the thesis or dissertation, and if they see fit, on subjects relevant thereto.
- (d) If a thesis or dissertation is adequate, but the candidate fails to satisfy the examiners at any practical or written examination, the examiners may determine that the candidate be exempted on re-entry from presentation of a thesis or a dissertation and permitted to submit to a further practical or written examination within a period specified by them not exceeding twelve months for the M.Phil. and eighteen months for the Ph.D. If a thesis or dissertation is adequate, but the candidate fails to satisfy the examiners at the oral examination, the examiners may determine that the candidate be permitted to re-present the same thesis or dissertation, and submit to a further oral examination within a period specified by them not exceeding twelve months for the M.Phil. and eighteen months for the Ph.D.
- (e) If the thesis or dissertation, though inadequate, shall seem of sufficient merit to justify such action, the examiners may determine that the candidate be permitted to re-present the thesis or dissertation in a revised form within twelve months for the M.Phil., or eighteen months for the Ph.D. Examiners shall not, however, make such a decision without submitting the candidate to an oral examination. The examiners may at their discretion exempt from a further oral examination on re-presentation of his thesis or dissertation a candidate who under this regulation has been permitted to re-present it in a revised form.
- (f) The examiners may require the candidate to make within one month specified amendments to their satisfaction or that of one of their number nominated by them.

(g) If, after completion of the examination including the oral examination or re-examination for the Ph.D., the examiners determine that a candidate has not reached the standard required for the award of the degree nor for the re-presentation of the thesis in a revised form for that degree, they may determine, if they think fit, that the candidate has reached the standard required for the award of the M.Phil. subject to any minor amendments which may be required. Following such a decision of the examiners, the following conditions and procedures will apply:

- (i) The candidate will be informed that he has been unsuccessful at the examination for the Ph.D., but that he has reached the standard required for the award of the M.Phil., and that he may be considered for the award of the M.Phil. if he indicates within two months that he wishes to be so considered.
  - (ii) A candidate who indicates that he wishes to be considered for the award of the M.Phil. under this regulation will be not required to submit the thesis or dissertation, as may be required under the regulations for the M.Phil. or to undergo an oral examination thereon, but will be required to fulfil the requirements for the M.Phil. examination in all other respects including the passing, at the next following occasion on which they are held, of any required written papers or other required tests prescribed for the M.Phil. in the relevant field.
  - (iii) If additional forms of examination are prescribed, the candidate will be informed that he must satisfy the examiners in such forms of examination, and that if he fails, re-entry will be governed by the regulations for the M.Phil. so far as applicable.
  - (iv) A candidate who applies for the award of the M.Phil. under these regulations must make any amendment that may be required by the examiners within a period of one month.
  - (v) A candidate who has reached the standard for the award of the M.Phil. who does not indicate that he wishes to be considered for the award of that degree within the period given in (a) above, will be informed that he has failed to satisfy the examiners for the Ph.D. and that he may no longer be considered for the award of the M.Phil.
- (h) Subsequent consideration of a candidate's representations regarding the assessment of his submission may be arranged under procedures approved by the Senate of the University.

#### Notification of results

Every candidate will be notified by the University of the result of his examination after the examiners have reached a decision.

A diploma under the Seal of the University shall subsequently be delivered to each candidate who has been awarded a degree.

N.B. The School reserves the right to ask the University to withhold the award of the degree to a candidate owing fees to the School.

## Dates of Examinations

1985-1986

### First Degrees

The main period of examination in 1986 for the following School-based degrees will be from Tuesday 27 May to Friday 13 June:

- B.Sc. (Econ.) Parts I and II
- LL.B.
- B.Sc. Degree } by course units
- B.A. Degree }

For these degrees, the completion of the Selection of Papers form and later amendments on a Course Change form serve as a provisional examination entry. Candidates will be required to complete a *confirmation* of examination entry in Lent Term. Candidates will have to obtain the signature of their tutor on the Confirmation of Entry form. The tutor will be asked to certify that he/she is satisfied with the attendance at teaching, the work and progress of the candidate and to approve his/her entry for the examination in each paper.

The detailed examination timetable, setting out the times and places for the examination in each paper, will be published at the beginning of the Summer Term.

For the following University-based degrees, a special examination entry form must be completed:

- B.A. History
- B.Sc. Social Science and Administration

The closing dates for entry and the examination timetable for papers in these courses will be published by the University.

### General Course Examinations

The timetable and examination entry procedures for General Course candidates are in general the same as those given above. However, if a candidate is taking a graduate course and examination, the date of the examination will be determined within the timetable for the relevant graduate course.

### Diplomas

The timetable and examination entry procedures for Diploma Students are in general the same as those given above. Different arrangements apply for the Diplomas in Social Planning in Developing Countries and Social Policy and Administration (students will be notified individually of the arrangements) and for the University Diplomas in Law and in International Law (arrangements are described in the course entries in the preceding pages).

### Master's Degrees

Students registered in the Graduate School should obtain their entry forms from the Graduate School Office at least one month before the closing date. The entry procedure is described in detail in the section 'Master's Degrees' in the preceding pages.

N.B. Although every endeavour is made to ensure accuracy in the following dates, students are advised in all cases to consult the University Regulations, which alone are authoritative.

### M.Sc.

Entry closes 1 February 1986 for June examination (including candidates for September branches who have chosen an optional paper which is examined in June)  
1 May 1986 for September examination  
Examination begins Either 11 June 1986 or 1 September 1986 according to subject

### M.A. Areas Studies, History

Entry closes 1 February 1986  
Examination begins 11 June 1986

### LL.M.

Entry closes 1 May 1986  
Examination begins 25 August 1986

## Part III: Study Guides

This part of the *Calendar* presents detailed information about the teaching provided in the School. Each teaching department has its own section. Each departmental section contains

- a list of lecture and seminar courses offered by the department, cross-referenced to
- Study Guides, setting out syllabuses, reading lists, and other essential information about teaching and examinations.

The introductory course "The Social Sciences: An Historical Introduction" is described below as an example of the layout for each departmental section.

The lecture and seminar lists and the Study Guides are in numeric sequence. Both series have a common departmental prefix (e.g. Ac for Accounting; Ec for Economics), but after the prefix, the series differ.

Lectures and seminars have a three-digit number series. This number, and indeed the list itself, are used in the Sessional Timetable, published each August, setting out the times, places and beginning dates of the lectures and seminars in the coming session. Against each lecture/seminar is indicated the number of meetings and the term(s) in which they take place (M=Michaelmas, L=Lent, S=Summer).

Study Guides for the most part have a four-digit number series: the four-digit number is the examination subject code used in the University's computer systems. Most Study Guides relate to examinable courses identified in the regulations for one or other degree or diploma, and they set out the syllabus, information on prerequisites and the scope of the course, the preliminary reading list, essential cross-references to the lectures, seminars and classes each candidate must attend, and the details of the examination arrangements and methods of assessment.

Some Study Guides have a three-digit number. These Guides relate to a specific lecture or seminar in the lecture and seminar list. They contain the syllabuses and reading lists of courses which are not set out in the Study Guide for any single examinable course. They are typically courses of interest to broad groups of students. Students should carefully consider these courses and attend any which they feel will give them valuable background, even if they do not focus on elements of the syllabus for a specific examination.

Regular students (see definition in the section "Admission of Students") are at liberty to attend any course of lectures except those where a limitation is indicated either in the Study Guide or in the lecture and seminar list (courses marked by an asterisk). At the end of the Study Guides, there is an index of subjects covered in the lectures and seminars given at the School. The index provides a cross-reference to the relevant Study Guide(s). The index is intended to help students identify the courses and the teachers dealing with any of the subjects he or she may be interested in.

**Degree and Diploma students should first read the Regulations for their particular degree, governing the choice of examination subjects. These refer them to the Study Guide for each examination paper which in turn refer to the Sessional Timetable.**

The School reserves the right at all times to withdraw or alter particular courses and syllabuses.

Department	Prefix	Page
Accounting and Finance	Ac	344
Anthropology (Social)	An	353
Business Studies	BS	362
Economics	Ec	363
Economic History	EH	404
Geography	Gy	425
Government	Gv	450

Industrial Relations	Id	491
International History	Hy	499
International Relations	IR	522
Languages	Ln	549
Law	LL	556
Philosophy	Ph	600
Population Studies	Pn	612
Psychology (Social)	Ps	623
Social Science and Administration	SA	638
Sociology	So	673
Statistical and Mathematical Sciences	SM	696
Sea-Use Courses	SU	741
Index of Subjects for Study Guides		742
Index of Teachers for Study Guides		758

## INTRODUCTORY COURSE

*This section is in two parts. The first part lists lectures and seminars. The list provides a cross reference to the Study Guide(s) in which the syllabus and the reading list associated with the lecture or seminar can be found. The second part contains the Study Guides, presented in Study Guide number sequence.*

### Lectures and Seminars

Lecture/ Seminar Number		Study Guide Number
GC100	<b>The Social Sciences: an Historical Introduction</b> Professor D. G. MacRae	GC100

### Study Guides

GC100

#### The Social Sciences: an Historical Introduction

**Teacher Responsible:** Professor D. G. MacRae, Room A454B (Secretary, Mrs. Jean Ridyard, A451)

**Course Recommended** for any interested students, particularly first-year students, General Course and Beaver College students; also relevant for research students.

**Teaching Arrangements:** Twenty lectures, Michaelmas and Lent Terms.

**Syllabus:** Michaelmas Term: historical background to 1776; Lent Term: from 1776 to 1963.

**Examination Arrangements:** examinable for General Course and other appropriate students either *in toto* or by term.

**ACCOUNTING AND FINANCE**

This section is in two parts. The first part lists the lectures and seminars given by the department. The list provides a cross reference to the Study Guide(s) in which the syllabus and the reading list associated with the lecture or seminar can be found. The second part contains the Study Guides, presented in Study Guide number sequence.

**Lectures and Seminars**

Lecture/ Seminar Number			Study Guide Number
Ac100	<b>Elements of Accounting and Finance</b> Mr. C. J. Napier, Ms. J. F. S. Day and Ms. J. Rutterford	40/ML	Ac1000; Ac1001
Ac103	<b>Managerial Accounting: Accounting Information Systems</b> Dr. M. Walker	8/M	Ac1021
Ac104	<b>Managerial Accounting: Accounting for Management Decisions</b>	22/MLS	Ac1021
Ac106	<b>Financial Accounting</b> Mr. C. W. Noke, Professor B. Carsberg and Mr. C. J. Napier	22/MLS	Ac1120
Ac108	<b>History of Accounting</b> (Not available 1985-86) Mr. C. J. Napier	10/L	Ac1121
Ac109	<b>Introduction to Auditing</b> Mr. C. J. Napier	10/M	Ac1121
Ac110	<b>Accounting and the Law</b> Mr. C. W. Noke	10/L	Ac1121
Ac111	<b>Stock Exchange Investment</b> Ms. J. Rutterford	10/L	Ac1121
Ac113	<b>Financial Management and the Smaller Business</b> Professor S. Dev	10/M	Ac1121
Ac114	<b>Basic Programming for Accounting and Finance</b> Dr. M. Walker	Arranged by the Department	
Ac120	<b>Business Finance for Trade Union Studies Course</b> Mr. J. W. Smith	10/L	
Ac155	<b>Corporate Finance</b> Dr. M. Walker and Ms. J. Rutterford	20/MLS	Ac2000

Lecture/ Seminar Number			Study Guide Number
Ac156	<b>Advanced Financial Accounting</b> Professor B. Carsberg, Professor H. C. Edey, Professor W. T. Baxter, Mr. C. J. Napier and Mr. C. W. Noke	29/MLS	Ac2001
Ac157	<b>Advanced Management Accounting</b> Professor S. Dev	11/ML	Ac2002; Ac2003
Ac158	<b>Financial Planning and Control in Decentralised Firms</b>	11/LS	Ac2002; Ac2003
Ac159	<b>Financial Statement Analysis</b> Ms. S.-I. Ung and Ms. J. Day	11/LS	Ac2002; Ac2003
Ac161	<b>Financial Management and Reporting for the Multinational Firm</b> Professor B. Carsberg, Ms. J. Rutterford and Mr. Mitchell	11/LS	Ac2002; Ac2003
Ac162	<b>Research Topics in Accounting and Finance</b> (Not available 1985-86) Professor B. Carsberg and others	10/MLS	
Ac163	<b>Information Analysis and Financial Reporting</b> Dr. M. Walker	11/ML	Ac2002; Ac2003
Ac170	<b>Financial Reporting and Management</b> Dr. M. Walker and Ms. J. F. S. Day	15/MLS	Ac2150

**Study Guides****Ac114****Basic Programming for Accounting and Finance**

**Teacher Responsible:** Dr Martin Walker, Room A382 (Secretary, Claudine Chouchan, A385)

**Course Intended Primarily for** B.Sc. (Econ.) Part I students who intend to specialise in Accounting and Finance at Part II. Diploma in Accounting and Finance. M.Sc. in Accounting and Finance.

**Scope:** This non-examined course is designed for students who have not studied computing before and who do not plan to take a course provided by the Department of Statistical and Mathematical Sciences at LSE. The aim of the course is to introduce students to the use of microcomputers for dealing with problems of an accountancy or finance nature. B.Sc. (Econ.) Accounting and Finance students who complete the course will have sufficient knowledge to take Ac103 **Accounting Information Systems** (see Study Guide Ac1021) in their second year.

**Syllabus:** The main topics covered in the course will be: using the machine as a calculator; typing and saving programs on disc; the main BASIC programming steps; processing of vectors and matrices; how to produce readable output; processing words and sentences; saving data on disc; introduction to procedures; random numbers.

**Pre-requisites:** None.

**Teaching Arrangements: BASIC Programming:** A set of self-study notes for students to teach themselves BASIC programming is available from Miss Chouchan (A385) (see Reading List below). Students are advised to commence their study and practice of BASIC as soon as possible, as the microcomputers will be heavily used throughout the Lent Term. Classes: Ac114 A weekly 'surgery' will be run by Dr Walker in the Lent Term.

**Computing Equipment:** Students taking this course will be permitted to use the BBC microcomputers in the Accounting and Finance Computing Room (A376). A booking system is in operation and all students should book times, and make arrangements to collect and return the key, with Miss Chouchan.

**Written Work:** To test the student's understanding, four exercises are to be attempted during the Lent Term. Sample solutions will be provided.

**Reading List:** M. Walker, *BASIC Programming for Accounting and Finance* (available only from Room A385).

**Examination Arrangements:** There is no examination for this course.

**Ac120****Business Finance for Trade Union Studies Course**

**Teacher Responsible:** Mr. J. W. Smith

**Course Intended Primarily for** the Trade Union Studies course.

**Teaching Arrangements:** Lectures: Ac120, Lent Term.

**Ac162****Research Topics in Accounting and Finance**

(Not available 1985-86)

**Teachers Responsible:** Professor Bryan Carsberg, Room A384 (Secretary, A383) and others.

**Course Intended Primarily for** M.Sc. and research students.

**Teaching Arrangements:** Ten meetings (Ac162), Sessional.

**Ac1000****Elements of Accounting and Finance**

**Teacher Responsible:** Mr. Christopher J. Napier, Room A310 (Secretary, Claudine Chouchan, A385)

**Course Intended Primarily for** B.Sc. (Econ.) Part I(d), B.Sc. (Econ.) Part II IV Industry and Trade 6 & 7 (i) 2nd or 3rd year, VII Accounting and Finance 8 (b) 2nd year (if not taken at Part I), XII Computing 4 (e) 2nd or 3rd year, Non-specialist students (approved outside option).

B.Sc. (Maths/Stats/Comp/Actuarial Science), (Management Sciences) Course Unit 340/1000 1st year.

Diploma in Accounting and Finance 1 and 2

Diploma in Business Studies 1, 2 and 3

Diploma in Economics 2, 3 and 4 (j)

Diploma in Management Sciences V (a)

**Scope:** The aim of the course is to introduce students to the preparation, uses and limitations of accounting information and to the problems of finance and investment.

**Syllabus:** The course is divided into four modules: (1) Balance sheets, funds statements, income accounts and other accounting statements relating to past events and planned activities: their construction, use and interpretation.

(2) Accounting conventions: their nature, purposes and limitations. Standard accounting practices. Legal and economic considerations, including elements of taxation.

(3) Nature and risks of finance and investment, with particular reference to stock market investment.

(4) Problems of valuation; management accounting and budgeting.

**Pre-Requisites:** None.

**Teaching Arrangements:** Lectures: Ac100

**Elements of Accounting and Finance:** 40 lectures. There will be two lectures each week during Michaelmas and Lent Terms. Lecturers are:

Ms. J. F. S. Day (Room A315)

Mr. C. J. Napier (Room A310)

Ms. J. M. Rutterford (Room A307)

Classes: A total of 21 weekly classes commencing in the second week of Michaelmas Term. Ac100(a) for B.Sc. (Econ.) Part I students intending to specialise in Accounting and Finance at Part II, and already attached to the Department of Accounting and Finance, (their personal tutor will act as class teacher). Ac100(b) for non-specialists and Ac100(c) for Diploma and M.Sc. students. For non-specialists, class teachers may be members of the School's full-time teaching staff or be part-time teachers.

**Written Work:** Class exercise sets prepared by the lecturers will be distributed at the beginning of each module. These sets include both numerical and discussion questions. Students will be expected to prepare answers to all exercises and these will be discussed in class and handed in to class teachers for scrutiny at the end of the class concerned. Detailed solution notes for each exercise will be given out by class teachers.

**Reading List:** Students are advised to purchase the following books:

(1) M. W. E. Glautier & B. Underdown, *Accounting Theory and Practice* (2nd edn., Pitman, 1982); and

(2) M. W. E. Glautier, B. Underdown & A. C. Clark, *Basic Accounting Practice* (2nd edn., Pitman, 1980) and

(3) G. Cummings, *Investors' Guide to the Stock Market* (3rd edn., Financial Times, 1984) or T. G. Goff, *Theory and Practice of Investment* (4th edn., Heinemann, 1982).

**Supplementary Reading:** This will be specified in the detailed Course Programme and Reading List which will be distributed at the first lecture in each module.

**Examination Arrangements:** There is a three hour written examination in the Summer Term. The examination paper will consist of three sections, as follows:

Section A (30% of total marks): Between 10 and 15 short questions, all to be answered;

Section B (30% of total marks): a computational question;

Section C (40% of total marks): 4 questions involving both computational and discussion parts, each question carrying 20% of the total marks, 2 to be answered.

**Ac1001****Elements of Accounting and Investment for Actuarial Science**

**Teacher Responsible:** Mr. Christopher J. Napier, Room A310 (Secretary, Claudine Chouchan, A385)

**Course Intended Primarily for** B.Sc. (Maths/Stats/Comp/Actuarial Science) Course Unit 340/1001 1st year.

**Scope:** The aim of the course is to introduce students to the preparation, uses and limitations of accounting information and to the problems of finance and investment.

**Syllabus:** The course is divided into four modules: (1) Balance sheets, funds statements, income accounts and other accounting statements relating to past events and planned activities: their construction, use and interpretation.

(2) Accounting conventions: their nature, purposes and limitations. Standard accounting practices. Legal and economic considerations, including elements of taxation.

(3) Nature and risks of finance and investment, with particular reference to stock market investment.

(4) Problems of valuation; management accounting and budgeting.

**Pre-Requisites:** None.

**Teaching Arrangements:** Lectures: Ac100

**Elements of Accounting and Finance:** 40 lectures. There will be two lectures each week during Michaelmas and Lent Terms. Lecturers are:

Ms. J. F. S. Day (Room A315)

Mr. C. J. Napier (Room A310)

Ms. J. M. Rutterford (Room A307)

Classes: Ac100(b); a total of 21 weekly classes commencing in the second week of Michaelmas Term. Ac100(d); five classes in Lent and Summer Terms.

**Written Work:** Class exercise sets prepared by the lecturers will be distributed at the beginning of each module. These sets include both numerical and discussion questions. Students will be expected to prepare answers to all exercises and these will be discussed in class and handed in to class teachers for scrutiny at the end of the class concerned. Detailed solution notes for each exercise will be given out by class teachers.

**Reading List:** Students are advised to purchase the following books:

(1) M. W. E. Glautier & B. Underdown, *Accounting Theory and Practice* (2nd edn., Pitman, 1982); and

(2) M. W. E. Glautier, B. Underdown & A. C. Clark, *Basic Accounting Practice* (2nd edn., Pitman, 1980); and

(3) G. Cummings, *Investors' Guide to the Stock Market* (3rd edn., Financial Times, 1984); or T. G. Goff, *Theory and Practice of Investment* (4th edn., Heinemann, 1982).

**Supplementary Reading:** This will be specified in the detailed Course Programme and Reading Lists which will be distributed at the first lecture in each module.

**Examination Arrangements:** There is a three hour written examination in the Summer Term. The examination paper will consist of three sections as follows:

Section A (30% of total marks): between 10 and 15 short questions, all to be answered;

Section B (30% of total marks): a computational question;

Section C (40% of total marks): 4 questions involving both computational and discussion parts, each question carrying 20% of the total marks, 2 to be answered. In this section, the questions will cover finance and investment topics.

**Ac1021****Managerial Accounting**

**Teacher Responsible:** To be arranged.

**Course Intended Primarily for** B.Sc. (Econ.) Part II, VII Accounting and Finance, 1, 2nd year.

Non-specialist students (approved outside option) 2nd or 3rd year.

B.Sc. (Maths/Stats/Comp/Actuarial Science), (Management Sciences) Course Unit (340/1020) 2nd or 3rd year.

Diploma in Accounting and Finance, 1.

Diploma in Business Studies, 1, 2 and 3(a) (ii).

**Scope:** The aim of the course is to introduce students to the theory and practice of decision-making and control within the firm. It deals principally with the problems of private sector industry and provides an insight into the relationship between Management Accounting, Microeconomics, and operations



research. The course also reviews and develops techniques for the collection, validation and control of financial data.

**Syllabus: Accounting for Management Decisions** (represents about three-quarters of the course). Introduction to decision theory, cost-behaviour patterns, cost-volume-profit analysis, price-output decisions, budgeting, budgetary control, cost allocation problems, transfer pricing, control of investment centres.

**Accounting Information Systems** (represents about one-quarter of the course). Basic features of the accounting information system. Internal control. Analysis and description of accounting systems. Introduction to computerized systems.

**Pre-Requisites:** Elements of Accounting and Finance.

**Teaching Arrangements: Accounting for Management Decisions;** 22 lectures (Ac104), 21 classes (Ac104a). **Accounting Information Systems;** 8 lectures (Ac103), 4 classes (Ac103a).

**Written Work:** Students will be expected to produce a piece of written work for each class. The work will be set by the lecturer for the course and will normally comprise an exercise requiring the application of the general principles covered in the lectures to a practical problem.

**Main Reading List:** J. Arnold and T. Hope, *Accounting for Management Decisions* (Prentice-Hall); R. S. Kaplan, *Advanced Management Accounting* (Prentice-Hall); J. Page and P. Hooper, *Accounting and Information Systems* (Prentice-Hall).

**Examination Arrangements:** A three hour formal examination will take place in the Summer Term.

## Ac1120

### Accounting and Finance II

**Teacher Responsible:** Christopher Noke, Room A311 (Secretary, Jean Knowles, A385)

**Course Intended Primarily for** B.Sc. (Econ.)

Part II, VII Accounting and Finance, 2.

Diploma in Accounting and Finance, 2(b).

B.Sc. (Econ.) students will normally follow lecture course Ac102 in year 2 and lecture course Ac106 in year 3.

**Scope:** The purpose of the course is to study the theory and practice of financial reporting by limited companies. Accounting practices are examined in the light of their historical development, legal requirements and economic theories of income, value and capital. The course also reviews and develops the techniques for the collection, control and organisation of financial data covered in the paper Elements of Accounting and Finance.

**Syllabus: Ac102 Accounting Information Systems.** Basic features of the accounting information system. Internal control. Analysis and description of accounting systems. Introduction to computerized systems.

**Ac106 Financial Accounting.** Financial accounting with particular reference to company accounts. Standardisation of practice and inflation accounting. The measurement of income, costs and depreciation. The valuation of assets and firms. Current issues and empirical research in financial accounting.

**Pre-Requisites:** This course is normally available only to Accounting and Finance specialists all of whom will have the requisite background.

**Teaching Arrangements:** Ac102: Eight weekly lectures and four classes given in alternate weeks by Dr Walker in Michaelmas Term (beginning week 2).

For Diploma in Accounting and Finance: Lent Term. Ac106: 22 lectures given by Mr Noke, Professor Carsberg and Mr Napier, Sessional.

Ac106(a): Fifteen classes will accompany the Ac106 lecture course and will be held as follows: 8 classes, weekly in Michaelmas Term beginning in week 3; 5 classes, fortnightly, in Lent Term; 2 classes in Summer Term. For third year B.Sc. (Econ.) Accounting and Finance specialists their Ac106(a) teacher will also be their personal tutor.

**Written Work:** For Ac102, there will be a series of four class exercises.

For Ac106(a), students will be expected to produce written work for each class and to submit this to their class teacher at the end of the class. The work will be set by the lecturers for the course and will normally comprise an exercise requiring the application to a practical problem of the principles covered in the lectures and reading, together with a critical analysis of the underlying assumptions. Students will be required to make presentations of their work and to contribute to class discussion which will develop the problems and principles involved in the weekly class exercise. Outline solutions will be provided subsequently for most class exercises.

**Reading List: For Ac102:** J. Page and P. Hooper, *Accounting and Information Systems* (Prentice-Hall, 2nd edn., 1982).

**For Ac106:** W. T. Baxter, *Inflation Accounting* (Philip Allan, 1984); W. T. Baxter & S. Davidson, *Studies in Accounting* (ICAEW, 3rd edn., 1977); H. C. Edey & B. S. Yamey (Eds.), *Debits, Credits, Finance and Profits* (Sweet & Maxwell, 1974); ICAEW, *Accounting Standards* (latest edn.); T. A. Lee *Developments in Financial Reporting* (Philip Allan, 1981); R. H. Macve, *A Conceptual Framework for Financial Accounting and Reporting* (Accounting Standards Committee, 1981); R. H. Parker & G. C. Harcourt (Eds.), *Readings in the Concept and Measurement of Income* (C.U.P., 1969); G. Whittington, *Inflation Accounting: an introduction to the debate* (C.U.P., 1983).

Journal articles and readings on current issues and empirical research will be specified on the detailed Course Programme and Reading List given out at the first lecture of Ac106. Books which students may wish to purchase will also be recommended then.

**Examination Arrangements:** A three-hour formal examination will take place in the Summer Term. Normally candidates are required to answer four questions.

## Ac1121

### Accounting and Finance III

**Teacher Responsible:** Christopher Noke, Room A311 (Secretary, Jean Knowles, A385)

**Course Intended Primarily for** B.Sc. (Econ.)

Part II VII Accounting and Finance, 3(a), 3rd year.

**Scope:** The aim of the course is to enable students to examine in greater depth some of the principles and problems introduced in other Accounting and Finance courses at the School.

**Syllabus:** Further study of topics selected from the syllabus of Accounting and Finance I and II. Students may select any two of the following topics for detailed study:

Ac108: **History of Accounting** (Not available 1985-86)

A general survey of the historical development of accounting. Topics covered include: the early development of double-entry bookkeeping; accounting literature and practice in the 17th and 18th centuries; the influence of accounting on economic growth; formalisation of the historic cost convention; the development of corporate financial reporting. Emphasis will be placed on factors influencing present accounting practices in the United Kingdom.

Ac109: **Introduction to Auditing**

The course is intended to provide those pursuing a broad business career with an understanding of the role of the auditor in modern society. The professional and legal environment of the auditor. Auditing Standards and Guidelines including the concepts of accounting systems, internal control, accounting cycles and verifiability. Concept of the true and fair view including materiality, consistency, substance versus form and international comparisons. Reporting on financial statements. Fraud. Contemporary audit issues. Accounting and auditing trends.

Ac110: **Accounting and the Law**

The influence of the law on accounting thought and practice, with particular reference to the development of the law relating to financial reporting and capital maintenance since 1844. EEC harmonisation of company law and accounting. The cost and benefits of legally required disclosure. Topical legal issues relating to company accounting. Valuation of shares for legal purposes.

Ac111: **Stock Exchange Investment**

Valuation of fixed interest securities and equities. Application of portfolio theory and the capital asset pricing model. Efficient Market Hypothesis. Investment strategy and type of investor. International aspects of investment. Students will have the opportunity of making real investment decisions using techniques acquired during the course.

Ac113: **Financial Management and the Smaller Business**

The course is analytical rather than descriptive and is concerned with businesses other than those with shares listed on the Stock Market, though some of the topics to be discussed are relevant to all businesses. The course deals with the setting up of a business and, assuming the business is successful, its eventual expansion. The middle part of the course will develop certain management accounting topics considered briefly in **Accounting and Finance I**. Topics covered include: partnership or limited company?; sources of finance; financial structure; marketing strategy; working capital management; financial statement analysis; valuation; the unlisted securities market.

**Teaching Arrangements: Ac109:** Ten one-hour

lectures given in the Michaelmas Term by Mr. Napier. Ac109(a): Students will be divided into two groups for classes and each group will attend six one-hour classes in the Michaelmas Term and one in the Lent Term. Classes will be taken by Mr. Napier.

Ac110: Ten one-hour lectures given by Mr. Noke in the Lent Term.

Ac110(a): Five one-hour classes given by Mr. Noke fortnightly, four in the Lent Term and one in the Summer Term.

Ac111: Ten one-hour lectures given by Ms. Rutterford in the Lent Term.

Ac111(a): Ten one-hour classes given weekly by Ms. Rutterford in the Lent and Summer Terms.

Ac113: Ten one-hour lectures given by Professor Dev in the Michaelmas Term.

Ac113(a): Five one hour classes given by Professor Dev fortnightly, four in the Michaelmas Term and one in the Lent Term.

**Written Work:** Ac109: Students will be required to prepare topics for discussion in each class. In addition they will be required to write two essays to be submitted for assessment.

Ac110: As Ac109.

Ac111: Students will be expected to prepare classwork both individually and in groups for presentation in class and for handing-in.

Ac113: As Ac109.

**Reading List:** Detailed Course Programmes and Reading Lists will be distributed at the first lecture for each of the topics. However, the following brief guide is offered:

**Ac108** M. Chatfield, *A History of Accounting Thought* (Krieger, 1977); A. C. Littleton & B. S. Yamey (Eds.), *Studies in the History of Accounting* (Arno Press, 1978); T. A. Lee & R. H. Parker (Eds.), *The Evolution of Corporate Financial Reporting* (Nelson, 1979).

**Ac109** M. J. Pratt, *Auditing* (Longman); E. Woolf, *Auditing Today* (Prentice-Hall).

**Ac110** No books are recommended for purchase. Reference should be made, *inter alia*, to: T. A. Lee & R. H. Parker (Eds.), *The Evolution of Corporate Financial Reporting* (Nelson); Essay by Edey & Panitpakdi in A. C. Littleton & B. S. Yamey, *Studies in the History of Accounting* (Arno Press); G. J. Benston, *Corporate Financial Disclosure in the U.K. and the U.S.A.* (Saxon House); Hamilton Baines, *Share Valuations* (Heinemann); L. H. Leigh & H. C. Edey, *Companies Act 1981* (Butterworths).

**Ac111** J. M. Rutterford, *An Introduction to Stock Exchange Investment* (Macmillan, 1983). This text has been written for the course.

**Ac113** HMSO, CMND.7503, *The Financing of Small Firms*; M. Firth, *Management of Working Capital*; M. Binks & J. Coyne, *The Birth of Enterprise* (Hobart Paper Institute of Economic Affairs).

**Examination Arrangements:** Students sit a formal three-hour written examination. The paper will be divided into sections one for each of the above topics and each containing either four or five questions.

The instructions are normally as follows: Candidates must attempt a total of FOUR questions chosen from any TWO sections; questions must *not* be chosen from more than two sections.

**Ac2000****Advanced Accounting and Finance I**

**Teacher Responsible:** Janette Rutterford, Room A307 (Secretary Jean Knowles, A385)

**Course Intended Primarily for M.Sc.** Accounting and Finance, I.

**Scope:** The aim of the course is to enable students to be aware of and understand the latest theoretical and empirical developments in corporate finance, and to examine how they may be applied to actual business problems.

**Syllabus:** The course examines methods of analysing investment and financing decisions of private sector companies. Topics covered include aspects of capital budgeting, project finance, portfolio theory, the capital asset pricing model, capital structure and dividend decisions, debt financing, options, leasing, mergers, and the effects of taxation and inflation on financial decisions.

**Pre-Requisites:** This is a compulsory course for the M.Sc. in Accounting and Finance and anyone admitted to the M.Sc. programme has been judged to have the necessary background subject to satisfactory completion of any required preliminary reading. Other students may be admitted to the course if they are familiar with the concepts of regression analysis, linear programming, calculus, matrices and probability theory and are able to apply them.

**Teaching Arrangements:** Ac155: Twenty lectures, Sessional, given by Ms. Rutterford and Dr. Walker. They will be given on Thursdays from 2-3 p.m.

**Ac155(a):** Students will be divided into two or three class groups, one of which will meet for 20 weeks on Thursdays from 7-8 p.m. The other groups will meet in the daytime at times to be arranged. Class teachers will be Ms. Rutterford and Dr. Walker. Classes will consist of case studies or seminars. Course work will be handed out at lectures.

**Written Work:** Every student will be expected to attempt a worthwhile analysis of each week's case or paper, and must be prepared to make a personal contribution to the class discussion each week. To this end, students should prepare notes for each class. Some cases will be handed in for marking by each student and will require a full write-up. Further details will be given on the Course Programme and Reading List which will be handed out at the first lecture.

**Reading List:** Students are advised to purchase one of the following books: Copeland & Weston, *Financial Theory and Corporate Policy* (Addison Wesley, 1979); Brealey & Myers, *Principles of Corporate Finance* (McGraw-Hill, 1981).

Full details of reading will be specified in the Course Programme and Reading List which will be distributed at the first lecture.

**Examination Arrangements:** There is a three hour formal examination in the Summer Term, based on the full syllabus of **Advanced Accounting and Finance I**. The paper will contain approximately eight questions of which four must be answered.

**Advanced Accounting and Finance II**

**Teacher Responsible:** Professor Bryan Carsberg, Room A384 (Secretary, A383)

**Course Intended Primarily for M.Sc.** Accounting and Finance, 2.

**Scope:** The aim of the course is to provide a basis for studying, at an advanced level, important modern problems in financial reporting and to achieve a familiarity with the relevant academic literature.

**Syllabus:** The course involves a study of the usefulness of financial reports to investors and other external users. Emphasis will be given to the development of conceptual foundations, including the objectives of financial reporting, and accounting and economic concepts of capital, income and value. Issues having topical importance in theory and practice will be discussed, including accounting for the effects of changing prices and other issues on which accounting standards have been published.

**Pre-Requisites:** This is a compulsory course for the M.Sc. in Accounting and Finance and anyone admitted to the M.Sc. programme has been judged to have the necessary background, subject to satisfactory completion of any required preliminary reading. Other students may be admitted to the course by Professor Carsberg if they have a substantial knowledge of financial accounting acquired at undergraduate or equivalent level.

**Teaching Arrangements:** Ac156: Twenty-nine lectures, Sessional, given by Professor Carsberg, Professor Baxter, Professor Edey, Mr. Napier and Mr. Noke. They will take place on Thursdays from 6-7 p.m., (from 6-8 p.m. for the first five weeks of Michaelmas Term).

**Ac156(a):** Students will be divided into three class groups one of which will meet from 7-8 p.m. on Wednesdays for the benefit of those part-time students who are unable to come to the School in the daytime. The other groups will meet in the daytime at times to be arranged. Class teachers will be Ms. Day, Mr. Napier and Mr. Noke.

**Written Work:** The lecturers will set one or two assignments – essays and case studies – each week for class discussion. A number of pieces of written work, based on assignments selected by the class teacher, will be collected for assessment but the grades will not count towards the overall course assessment.

**Reading List:** No one book covers the entire syllabus. A detailed Course Programme and Reading List, giving recommendations week by week, will be handed out at the beginning of the course. Most frequent reference will be made to the following books:

R. H. Parker & G. C. Harcourt (Eds.), *Readings in the Concept and Measurement of Income* (Cambridge); E. S. Hendriksen, *Accounting Theory*, (4th edn., Irwin); W. T. Baxter, *Inflation Accounting* (Philip Allan 1984); W. H. Beaver, *Financial Reporting: An Accounting Revolution* (Prentice-Hall).

**Examination Arrangements:** The entire course assessment will be based on one three-hour formal examination in the latter part of June. Students will be informed during the course about the number of

**Ac2001**

questions on the paper and the number required to be answered.

**Ac2002****Ac2003****Advanced Accounting and Finance III  
Advanced Accounting and Finance IV**

**Note:** One study guide has been prepared to cover both the above papers because of the inter-relationships between their contents.

**Teacher Responsible:** Dr. M. Walker, Room A382 (Secretary, A383)

**Course Intended Primarily for M.Sc.**

Accounting and Finance, 3 and 4 (a) and (b).

**Scope:** The aim of the courses is to enable students to choose two or four topics in accounting and finance for study at an advanced level. The topics offered by the Department of Accounting and Finance all are important components of a masters degree programme in accounting and finance and all are closely related to the material in the compulsory papers, **Advanced Accounting and Finance I and II**. However, the structure of the course allows for an element of specialisation.

**Syllabus:** The Department offers several units for these two papers. Each unit has the weight of half a course. Students may select any two units for **Advanced Accounting and Finance III**. They may select a further two units for **Advanced Accounting and Finance IV**. Students may select Paper III without selecting Paper IV. The following units are available:

**Ac157: Advanced Management Accounting.**

The unit involves a study in depth of a number of problem areas in management accounting. Topics such as the following will be selected for detailed study: decisions on choice of activities, output levels, and pricing; problems created by inflation; forecasting techniques; the design of management information systems; applications of operational research techniques; budgetary control and variance analysis; organisational, behavioural aspects of management accounting systems; accounting for not-for-profit organisations.

**Ac158: Financial Planning and Control in Decentralised Firms.**

The unit focuses on the special problems of organisational structure, decision making, control and performance evaluation in decentralised firms. Topics dealt with will include transfer pricing, cost allocation and management incentive schemes.

**Ac159: Financial Statement Analysis.**

The unit is concerned with the application of modern research techniques in accounting and finance to the analysis of financial reports published by limited companies. The emphasis will be on the use of financial information by external decision-takers in a variety of decision contexts, such as in equity and fixed interest security investment decisions, in credit decisions by banks and in financial distress prediction.

**Ac160: Financial Management of Public Enterprises.** (Not available 1985-86)

The unit deals with the special problems that arise in

financial decision-making in publicly owned businesses. It will examine the historical development of public enterprises in the United Kingdom, their investment and pricing decisions, their organisation and financing and their accountability to, and control by, both Government and Parliament.

**Ac161: Financial Management and Reporting for the Multinational Firm.**

The unit focuses on the special problems that arise as a result of operation in more than one country, including the need to satisfy different, and possibly conflicting, regulations for financial reporting; decisions on investment and financing allied to the management of foreign exchange transactions, and control and evaluation of performance in different environments.

**Ac163: Information Analysis and Financial Reporting.** This unit focuses on the role of economics in accounting. In recent years academic accountants have drawn on economic theory in their discussion of accounting alternatives. Also empirical work in accounting has relied heavily on theories of capital asset pricing and the efficient markets hypothesis. The purpose of this unit is to make the important ideas contained in these theories more accessible to students of accounting.

**Ac108: History of Accounting.** (Not available 1985-86)

**EH144: Modern Business History.**

The unit involves a survey of the techniques and problems of business history. It includes a study of several modern histories of British companies.

**Pre-Requisites:** Anyone admitted to the M.Sc. Programme in Accounting and Finance has been judged to have the necessary background. Other M.Sc. students may be admitted to the units by the lecturers concerned if they have sufficient background acquired at undergraduate or equivalent level.

**Teaching Arrangements:**

**Ac157:** Eleven two-hour meetings in the Tuesday evening commencing at the beginning of the Michaelmas Term.

**Ac158:** Eleven two-hour meetings in the daytime commencing second week of Lent Term.

**Ac159:** Eleven two-hour meetings in the daytime commencing second week of Lent Term.

**Ac160:** Not available 1985-86.

**Ac161:** Eleven two-hour meetings on Mondays 6-8 p.m. commencing second week of Lent Term.

**Ac163:** Eleven two-hour meetings in the evenings in Michaelmas Term.

**Ac108: (Not available 1985-86).**

**EH144:** Ten 1½-hour meetings in the daytime in the Michaelmas Term.

**Written Work:** The lecturers will set some assignments (e.g. essays and case studies) for group discussion for each unit. Some written work, based on assignments selected by the class teachers, will be collected for assessment but the grades given will not count towards the overall course assessment.

**Reading List:** No one book covers the entire syllabus of any of the units. A detailed Course Programme and Reading List, giving recommendations week by week, will be handed out at the beginning of each unit. Much

of the reading will be of journal articles. Frequent reference will be made to the following books:

**Ac157** H. R. Anton, P. A. Firmin & H. D. Grove (Eds.), *Contemporary Issues in Cost and Managerial Accounting* (Houghton Mifflin, 3rd edn.); D. Solomons (Ed.), *Studies in Cost Analysis* (Sweet & Maxwell, 2nd edn.); G. Benston (Ed.), *Contemporary Cost Accounting and Control* (Dickenson, 2nd edn.); R. S. Kaplan, *Advanced Management Accounting* (Prentice-Hall).

**Ac158** C. Tomkins, *Financial Planning in Divisionalised Companies* (Haymarket/Prentice-Hall); D. Solomons, *Divisional Performance: Measurement and Control* (Irwin/Markus Wiener); R. S. Kaplan, *Advanced Management Accounting* (Prentice-Hall).

**Ac159** G. Foster, *Financial Statement Analysis* (Prentice-Hall).

**Ac161** F. D. S. Choi & G. G. Mueller, *An Introduction to Multi-national Accounting* (Prentice-Hall); C. W. Nobes & R. H. Parker, *Comparative International Accounting* (Philip Allan).

**Ac163** W. Beaver, *Financial Reporting: An Accounting Revolution* (Prentice-Hall); J. Demski, *Information Analysis* (Addison-Wesley).

**EH144** B. Supple (Ed.), *Essays in British Business History* (Oxford); L. Hannah (Ed.), *Management Strategy and Business Development* (Macmillan).

**Examination Arrangements:** The entire course assessments will be based on formal examinations in the Summer Term. Each unit will be the subject of a separate two-hour examination. Students will be informed, during the courses, about the number of questions on the examination papers and the number required to be answered.

### Ac2150

#### Financial Reporting and Management

**Teacher Responsible:** Dr. Martin Walker, Room A382 (Secretary, Claudine Chouchan, A385)

**Course Intended Primarily for** M.Sc. Sea-Use Law, Economics and Policy-making, 2 and 3 (d). M.Sc. Analysis, Design and Management of Information Systems, 3(d).

M.Sc. Industrial Relations and Personnel Management, 2 and 3(i).

it is also suitable for other M.Sc. students who are not specialising in Accounting and Finance and who have not previously studied Accounting and Finance to a significant extent.

**Scope:** The course provides an introduction to accounting and financial concepts and techniques.

**Syllabus:** The course covers basic accounting concepts, company accounts, discounted cash flow analysis, investment appraisal under uncertainty, accounting for inflation, and an introduction to budgeting and control.

**Pre-Requisites:** None, but students interested in taking the course are requested to see Dr. Walker early in the Michaelmas Term so that advice can be given and introductory reading specified for those who intend to take it.

**Written Work:** Students are required to attempt several exercises during the year involving the preparation of accounts, solutions to discounted cash flow case studies, together with a small amount of essay work.

**Teaching Arrangements:** Ac170: The course will comprise 15 meetings of 2½ hours each. These will commence in the penultimate week of the Michaelmas Term. The lecture group will be divided into two seminar groups for classwork purposes. The second group will be taught by Ms. Judy Day.

**Reading List:** A detailed Course Programme and Reading List, giving recommendations week by week, will be handed out at the beginning of the course. The following text is indicative of the scope and content of the course and is recommended for purchase: R. J. Briston, *Introduction to Accountancy and Finance* (Macmillan, 1981); D. E. Allen, *Finance A Theoretical Introduction* (Martin Robertson, 1983); G. Whittington, *Inflation Accounting: An Introduction to the Debate* (Cambridge University Press and SSRIC, 1983).

**Examination Arrangements:** The entire course assessment will be based on one three-hour formal examination in the latter part of the June. The paper has two sections: Section 1 consists of five short compulsory questions; Section 2 consists of three questions, two to be attempted.

## ANTHROPOLOGY

This section is in two parts. The first part lists the lectures and seminars given by the department. The list provides a cross reference to the Study Guide(s) in which the syllabus and the reading list associated with the lecture or seminar can be found. The second part contains the Study Guides, presented in Study Guide number sequence.

### Lectures and Seminars

Lecture/ Seminar Number		Study Guide Number
An100	<b>Introduction to Social Anthropology</b> Professor M. E. F. Bloch and Dr. A. A. F. Gell	24/MLS An1200; An2210
An102	<b>Ethnography and Theory: Selected Texts</b> Dr. J. C. Woodburn and Dr. J. Parry	20/ML An1204
An200	<b>Kinship, Sex and Gender</b> Dr. P. Loizos and Dr. C. J. Fuller	20/ML An1220; An2210
An201	<b>Political and Economic Anthropology</b> Dr. M. J. Sallnow and Dr. J. C. Woodburn	20/ML An1222; An2211
An300	<b>The Anthropology of Religion</b> Professor M. E. F. Bloch and Dr. J. Overing	20/ML An1302; An2212
An302	<b>Advanced Ethnography: Latin-American Highlands (The Andes)</b>	10/L An1312; An1334; An1335
An305	<b>Mediterranean</b> Dr. P. Loizos	10/M An1317; An1334; An1335
An308	<b>Linguistics and Anthropological Problems</b> Dr. J. Overing	10/M An1331; An1332; An1334; An1335
An309	<b>Advanced Theory of Social Anthropology</b> Dr. J. Parry and Dr. D. McKnight	20/ML An1300; An2210
An312	<b>Conflict, Violence and War</b> Dr. D. McKnight	10/M An1334; An1335; An1341
An313	<b>Urban Anthropology</b> Dr. C. J. Fuller	10/L An1334; An1335; An1342
An400	<b>A Programme of Ethnographic Films</b> Dr. J. C. Woodburn	20/ML An400

Lecture/ Seminar Number		Study Guide Number
An500	<b>Seminar on Anthropological Theory</b> Dr. J. Parry and Dr. J. C. Woodburn	MLS An500
An501	<b>Field Research Seminar</b> To be arranged	MLS An501
An502	<b>Teaching Seminar</b> Dr. A. A. F. Gell and Dr. M. J. Sallnow	25/MLS An502
An503	<b>Thesis Writing Seminar</b> To be arranged	MLS An503
An504	<b>Intercollegiate Seminar</b> Dr. P. Loizos and Dr. A. A. F. Gell	LS An504
An505	<b>Teaching Seminar</b> To be arranged	13/MLS An505
An510	<b>Egalitarian Societies of Tropical Forest South America</b> Dr. J. Overing	25/MLS An510

## Study Guides

## An 1200

## Introduction to Social Anthropology

**Teachers Responsible:** Professor M. Bloch, Room A608 and Dr. A. Gell, Room A610 (Departmental Secretaries, A604)

**Course Intended Primarily for** B.A./B.Sc. course unit main fields Social Anthropology first year; Geography, Sociology, Social Psychology. B.Sc. (Econ.) Parts I and II; M.Sc.

**Scope:** See under Syllabus below.

**Syllabus:** The origins and scope of social anthropology and its relation to other subjects. Human evolution. Socio-biology. Language and culture. Intelligence and culture. Gender. Environment resources and their distribution. Marriage, family and kinship. Power and social order. Religious beliefs.

**Pre-Requisites:** None.

**Teaching Arrangements:** Lectures (An100): Twenty-four, Sessional.

**Classes (An100a):** Twenty-four, Sessional for specialists (An100b): Twenty-two, Sessional for non-specialists.

**Written Work:** Students taking the course for examination purposes are expected to contribute discussion papers in the classes which will be run in the form of seminars. At least one paper per term is expected. Other written work, linked to the course, will be done for tutorials in the case of students whose main field is Social Anthropology.

**Reading List:** E. E. Evans-Pritchard, *Witchcraft, Oracles and Magic among the Azande*; A. Kuper, *Anthropology and Anthropologists*; M. Bloch, *Marxism and Anthropology*; A. Beteille, *Caste, Class and Power*; S. Ortner & H. Whitehead (Eds.), *Sexual Meanings*; M. Young, *The Ethnography of Malinowski*; R. Keesing, *Kin Groups and Social Structure*; H. Gould, *The Mismeasure of Man*; S. Roberts, *Order and Dispute*.

**Supplementary Reading List:** Will be provided for class work.

**Examination Arrangements:** There is a 3-hour examination in the Summer Term, with 10 or more questions, 4 of which are to be answered. Classwork assessment forms 20% of the mark.

**II** The object of this half of the course will be to provide a grounding in some of the major ideas of the 'founding fathers' of sociological thought and to explore the ways in which their preoccupations have influenced subsequent ethnography.

**Pre-Requisites:** 1st year undergraduates — no previous knowledge required.

**Teaching Arrangements:** Lectures (An102): 20, Michaelmas and Lent Terms.

**Classes (An102a):** 20, Michaelmas and Lent Terms.

**Written Work** linked to the course will be done for tutorials in the case of students whose main field is Social Anthropology.

**Reading List: Part I**

R. B. Lee, *The !Kung San: Men Women and Work in a Foraging Society*; E. E. Evans-Pritchard, *Kinship and Marriage among the Nuer*; M. Young, *The Ethnography of Malinowski*; *The Trobriand Islands, 1915-1918*; K. Heider, *Grand Valley Dani: Peaceful Warriors*; N. Chagnon, *Yanomamo: The Fierce People* (3rd edn.)

Additional reading will be specified during the course.

**Part II**

E. Durkheim, *Suicide*; E. Durkheim and M. Mauss, *Primitive Classification*; M. Mauss, *The Gift*; R. Hertz, *Death and the Right Hand*; E. E. Evans-Pritchard, *Nuer Religion*; M. Weber, *The Protestant Ethic and the Spirit of Capitalism*; C. Geertz, *The Religion of Java*; M. Bloch, *Marxism and Anthropology*; E. Terray, 'Classes and Class Consciousness in the Abron Kingdom of Gyaman' in M. Bloch (Ed.), *Marxist Analyses and Social Anthropology*.

**Examination Arrangements:** There will be a three-hour examination in the Summer Term, 10 questions, 4 of which are to be answered. Classwork assessment forms 20% of the final mark, and will be largely based on one essay per term. Candidates who do not produce essays by the dates announced during the course, can expect to receive few marks.

## An1220

## Kinship, Sex and Gender

**Teacher Responsible:** Dr. Loizos, Room A614 and Dr. Fuller, Room A601 (Departmental Secretaries, A604)

**Course Intended Primarily for** B.A./B.Sc. c.u. main fields Social Anthropology 2nd year, Social Psychology 2nd year, Sociology 2nd year; B.Sc. (Econ.) Part II, M.Sc. and other graduate students.

**Scope:** See under Syllabus below.

**Syllabus:** The concept of kinship, procreation beliefs — the concepts of male, female, person; family and kinship in North America and Europe; descent and alliance systems in Aboriginal Australia, Africa and Asia; Women and kinship in India; tactical and strategic 'users' of kinship.

**Pre-Requisites:** No previous knowledge.

**Teaching Arrangements:** Lectures (An200): 20 Michaelmas and Lent Terms.

**Classes (An200a):** 20 Michaelmas and Lent Terms.

**Written Work:** Periodic class papers and term essay. Written work, linked to the course will be done for tutorials in the case of students whose main field is Social Anthropology.

## An1204

## Ethnography and Theory: Selected

## Texts

**Teachers Responsible:** Dr. J. Woodburn, Room A611 and Dr. J. Parry, Room A609 (Departmental Secretaries, A604)

**Course Intended Primarily for:** B.A./B.Sc. c.u. main field Soc. Anth. 1st year; Geog., Soc. Psych.

**Syllabus:** I Five societies all of them small-scale and 'exotic' will be examined in order to explore cross-cultural variation in customary practice and ways in which social anthropologists seek to understand and explain it. This half of the course will be closely linked with our ethnographic film series (Course An400) and all students will be expected to attend it.

**Reading List:** E. R. Leach, *Rethinking Anthropology*; C. Levi-Strauss, *The Elementary Structures of Kinship*; R. Needham (Ed.), *Rethinking Kinship and Marriage*; R. Fox, *Kinship and Marriage*; R. Keating, *Kin Groups and Social Structure*; D. Schneider, *American Kinship: a Cultural Account*; C. Fuller, *The Nayars Today*; E. E. Evans-Pritchard, *Kinship and Marriage among the Nuer*; A. Oster, L. Fruzzetti & S. Barnett (Eds.), *Concepts of Person*; J. Parry, *Caste and Kinship in Kangra*; L. Dumont, *Affinity as a Value*; C. MacCormack & M. Strathern (Eds.), *Nature, Culture and Gender*; S. Ortner & M. Whitehead (Eds.), *Sexual Meanings*; U. Sharma, *Women, Work and Property in North-West India*; U. Hannerz, *Soulside*; Rose Giallombardo, *Society of Women; The Social World of the Imprisoned*; Janet Bujra & Pat Caplan, *Women United, Women Divided*; P. Spencer, *The Samburu*; G. Bateson, *Naven*; M. Bloch & J. Parry, *Death and the Regeneration of Life*; E. Pagels, *The Gnostic Gospels*; Murphy & Murphy, *Women of the Forest*; Fatima Mernissi, *Beyond the Veil*; Patricia Jeffrey, *Frogs in a Well: Indian Women in Purdah*; J. Goody, *Production and Reproduction*.

**Examination Arrangements:** There is a three-hour examination in the Summer Term, 10 questions, 4 of which are to be answered. Classwork assessment forms 20% of the mark.

**An1222****An2211****Political and Economic Anthropology**

**Teachers Responsible:** Dr. M. Sallnow, Room A615 and Dr. J. Woodburn, Room A611 (Departmental Secretaries, A604)

**Course Intended Primarily for** B.A./B.Sc. c.u. main fields Social Anthropology 2nd year, Sociology 2nd year; B.Sc. (Econ.) Part II; M.Sc. and other graduate students.

**Scope:** The anthropological analysis of economic and political institutions as revealed in relevant theoretical debates, with reference to selected ethnography.

**Syllabus:** (i) **Economic Anthropology:** The cultural framework of different economic systems and their working; the economic organisation of peasant and primitive production; economic structure and kinship structure; property; trade, gifts, exchange and markets; the transition from subsistence to cash economies; systems of capital accumulation.

(ii) **Political Anthropology:** The analysis of the politics of equality and inequality of power, wealth and status in a range of societies, most of which are small in scale.

**Pre-Requisites:** No previous knowledge required.

**Teaching Arrangements:** Lectures: An201(i)

**Economic Anthropology:** 10 Michaelmas Term.

An201(ii) **Political Anthropology:** 10 Lent Term.

**Classes:** An201(i)a **Economic Anthropology:** 10 Michaelmas Term.

An201(ii)a **Political Anthropology:** 10 Lent Term.

**Written Work:** Periodic class papers and/or essays. Written work, linked to the course will be done for tutorials in the case of students whose main field is Social Anthropology.

**Reading List:** (i) **Economic Anthropology:** R. Firth (Ed.), *Themes in Economic Anthropology*; E. E. Le

Clair & H. K. Schneider (Eds.), *Economic Anthropology*; J. M. Potter, M. Diaz & G. M. Foster, *Peasant Society*; M. Sahlins, *Stone Age Economics*; M. Bloch (Ed.), *Marxist Analyses and Social Anthropology*; G. Dalton (Ed.), *Tribal and Peasant Economies*; S. Gudeman, *The Demise of a Rural Economy*.

(ii) **Political Anthropology:** M. H. Fried, *The Evolution of Political Society*, 1967; J. C. Woodburn, 'Egalitarian Societies' in *Man*, Vol. 17, 1982; J. C. Woodburn (Ed.), *L'Equipe ecologie et anthropologie*, 1979; J. Woodburn, *Pastoral Production and Society*; A. Strathern (Ed.), *Inequality in New Guinea Highlands Societies*, 1982; F. Barth, *Political Leadership among Swat Pathans*, 1959; E. R. Leach, *Political Systems of Highland Burma*, 1954; E. E. Evans-Pritchard, *The Divine Kinship of the Shilluk of the Nilotic Sudan*, 1948 (Reprinted in E. E. Evans-Pritchard, *Essays in Social Anthropology*, 1962); J. Beattie, *The Nyoro State*, 1971; H. J. M. Claessen & P. Skalnik (Eds.), *The Early State*, 1978.

**Supplementary Reading List:** To be recommended during the course.

**Examination Arrangements:** There is a three-hour examination in the Summer Term, 10 questions, 4 of which are to be answered, 2 from Section A and 2 from Section B. Classwork assessment forms 20% of the mark.

**An1300****Advanced Theory of Social Anthropology**

**Teachers Responsible:** Dr. J. Parry, Room A609 and Dr. McKnight, Room A613 (Departmental Secretaries, A604)

**Course Intended Primarily for** B.A./B.Sc. course unit main field Social Anthropology 3rd year; B.Sc. (Econ.) Part II; M.Sc. and other graduate students.

**Scope:** The aim of the course is to train students to look critically at the theoretical implications of anthropological approaches by examining their origins, their strengths and weaknesses.

**Syllabus:** 1. Types of interpretation and explanation used in social anthropology.

2. Selected themes from the history of Anthropology.

**Teaching Arrangements:** Lectures (An309): 20, Michaelmas and Lent.

Classes (An309a): 20, Michaelmas and Lent for B.Sc. course unit main field Social Anthropology 3rd year and B.Sc. (Econ.) Part II.

**Written Work:** Students will be required to produce two assessment essays. Students will also be expected to prepare two or three short oral papers for the classes. Written work, linked to the course, will be done for tutorials in the case of students whose main field is Social Anthropology.

**Reading List:** I. C. Levi-Strauss, *Structural Anthropology* Vol. I; *The Way of the Masks*; B. Wilson (Ed.), *Rationality*; R. A. Manners & D. Kaplan (Eds.), *Theory in Anthropology*; M. Godelier, *Perspectives in Marxist Anthropology*; P. Bourdieu, *Outline of a Theory of Practice*; A. R. Radcliffe-Brown, *Structure and Function in Primitive Society*; J. Skorupski,

*Symbol and Theory*; M. Bloch, *Marxism and Anthropology*; Adam Kuper, *Anthropology and Anthropologists*; Jonathan Culler, *Saussure*; Michel Foucault, *Madness and Civilization*; B. Malinowski, *Argonauts of the Western Pacific*.

G. Stocking, *Race, Culture and Evolution*; J. W. Burrow, *Evolution and Society*; H. Maine, *Ancient Law*; E. Evans-Pritchard, *Theories of Primitive Religion*; E. Durkheim, *Elementary Forms of the Religious Life*; E. Durkheim *Rules of Sociological Method*; R. Bendix, *Max Weber: an Intellectual Portrait*; M. Weber, *The Sociology of Religion*; R. Hertz, *Death and the Right Hand*; L. Levy-Bruhl, *How Natives Think*; I. Langham, *The Building of British Social Anthropology*.

**Supplementary Reading List:** C. Geertz, *The Interpretation of Culture*; E. R. Leach, *Rethinking Anthropology*; F. Barth, *Models of Social Organization*; Hubert and Mauss, *Sacrifice*; Mauss, *Sociology and Psychology*; E. Durkheim, *The Division of Labour in Society*; E. Durkheim, *Suicide*; M. Weber, *The Protestant Ethic and the Spirit of Capitalism*; M. Weber, *Religion of India*; S. Lukes, *Durkheim*; Nigel Barley, *Symbolic Structures*.

**Examination Arrangements:** There is a 3-hour examination in the Summer Term, approximately 10 questions, 3 of which are to be answered. Classwork assessment forms 20% of the mark and will very largely be based on assessment essays. Candidates who fail to submit assessment essays by the due date, which will be announced during the course, can expect to receive minimal marks.

**An1302****An2212****The Anthropology of Religion**

**Teachers Responsible:** Professor M. Bloch, Room A608 and Dr. J. Overing, Room A616 (Departmental Secretaries, A604)

**Course Intended Primarily for** B.A./B.Sc. c.u. main field Soc. Anth. 3rd year; B.Sc. (Econ.) Part II; M.Sc. and other graduate students.

**Scope:** The anthropological analysis of magic and religion as revealed in relevant theoretical debates, with reference to selected ethnography.

**Syllabus:** Development of the anthropological study of religion. Ritual and symbolism; witchcraft; ancestor worship; the religious representation of life, death, sex and gender; religions; Buddhism and spirit cults; shamanism, cosmology and magic; great and little traditions.

**Pre-Requisites:** Substantial background in social anthropology.

**Teaching Arrangements:** Lectures (An300) 20 Michaelmas and Lent Terms. Classes (An300a) 20 Michaelmas and Lent Terms.

**Written Work:** Periodic class papers and/or essays. Written work, linked to the course, will be done for tutorials in the case of students whose main field is Social Anthropology.

**Reading List:** C. Levi-Strauss, *Totemism; The Savage Mind*; J. Middleton, *Lugbara Religion*; V. Turner, *The Forest of Symbols*; S. Tambiah, *Buddhism and the Spirit Cults in North-East Thailand*; D. Sperber, *Rethinking Symbolism*; M. Bloch & J. Parry, *Death and the Regeneration of Life*; G. Lienhardt, *Divinity and Experience*; C. Geertz, *Negara*; S. Hugh-Jones, *The Palm and the Pleiades*; M. Spiro, *Burmese Supernaturalism; Buddhism and Society*; A. Gell, *Metamorphosis of the Cassowaries: Umeda Society, Language and Ritual*; A. F. Wallace, *The Death and Rebirth of the Seneca*; W. Christian Jr., *Person and God in a Spanish Valley*; M. Douglas, *Purity and Danger*; M. Bloch, *From Blessing to Violence*; D. Parkin (Ed.), *The Anthropology of Evil*; G. Bateson, *Naven*; G. Reichel-Dolmatoff, *Amazonian Cosmos*; N. Barley, *Symbolic Structures*; J. C. Crocker, *Vital Souls*; G. Witherspoon, *Language and Art in the Navajo Universe*; R. Lewis, *Religion in Context*.

Further reading will be suggested during the course.

**Supplementary Reading List:** To be recommended during the course.

**Examination Arrangements:** There will be a 3-hour examination in the Summer Term with 10 questions, 3 of which are to be answered. Classwork assessment forms 20% of the mark.

**An1312****Advanced Ethnography: Latin-American Highlands (The Andes)**

**Teacher Responsible:** Dr. M. Sallnow, Room A615 (Departmental Secretaries, A604)

**Course Intended Primarily for** B.A./B.Sc. course unit main field Social Anthropology 3rd year.

**Scope:** The study of past and present social formations in the South American Andes.

**Syllabus:** The course will draw on archaeological, ethnohistorical, historical and contemporary anthropological and sociological evidence in order to elucidate past and present patterns and processes in Andean society.

**Teaching Arrangements:** Lectures (An302) 10 Lent Term. Classes (An302a) 10 Lent Term.

**Written Work:** Class papers presented during the course. Written work, linked to the course, will be done for tutorials in the case of students whose main field is Social Anthropology.

**Reading List:** D. Guillet, *Agrarian Reform and Peasant Economy in Southern Peru*; B. Isbell, *To Defend Ourselves*; E. Lanning, *Peru Before the Incas*; J. Murra, *The Economic Organization of the Inka State*; B. Orlove, *Alpacas, Sheep and Men*; J. Steward (Ed.), *Handbook of South American Indians*, Vol. 2; P. van der Berghe & G. Primov, *Inequality in the Andes*.

**Examination Arrangements:** There is a two-hour examination in the Summer Term, with 7 questions, 2 of which are to be answered. Classwork assessment forms 20% of the mark and candidates who do not submit their written work by the due date will get few marks.

**Advanced Ethnography:  
Mediterranean**

**Teacher Responsible:** Dr. P. Loizos, Room A614 (Departmental Secretaries, A604)

**Course Intended Primarily for** B.A./B.Sc. c.u. main field Social Anthropology 3rd year.

**Scope and Syllabus:** Through a discussion of selected texts, issues of culture and social structure will be explored in a number of societies. Particular attention will be paid to the use of history, to capitalist transformation, to gender relations, with particular attention to the division of labour and of religious representation; to the notion of honour; to local violence and its relation to state formation; to patronage and clientelism. Both Christian and Muslim societies will be considered.

**Teaching Arrangements:** Lectures (An305) 10 Michaelmas Term. Classes (An305a) 10 Michaelmas Term.

**Written Work:** Class papers presented during the course. Written work, linked to the course, will be done for tutorials in the case of students whose main field is Social Anthropology.

**Reading List:** J. Davis, *People of the Mediterranean*; C. Lison-Tolosana, *Belmonte de Los Caballeros: a Sociological Study of a Spanish Town*; Sydel Silverman, *Three Bells of Civilization: the Life of an Italian Hill Town*; W. Christian Jr., *Person and God in a Spanish Valley*; Vanessa Maher, *Women and Property in Morocco*; M. Gilsenan, *Recognising Islam: an Anthropologist's Introduction*; J. Waterbury, *North for the Trade: the biography of a Berber Merchant*; E. Gellner & J. Waterbury (Eds.), *Patrons and Clients in Mediterranean Societies*; Caroline White, *Patrons and Partisans: A Study of Politics in Two Southern Italian Communities*; L. Danforth, *The Death Rituals of Rural Greece*; Sandra Ott, *The Circle of Mountains*; Marina Warner, *Alone of all her Sex: the Myth and Cult of the Virgin Mary*; Elaine Pagels, *The Gnostic Gospels*; E. Hammel, *Alternate Ritual Structures in the Balkans*; J. Black-Michard, *Feud in Mediterranean and Middle Eastern Societies* (first published under the title *Cohesive Force*); A. Blok, *The Mafia of a Sicilian Village*; P. Loizos, *The Greek Gift: Politics in a Cypriot Village*; J. Schneider & P. Schneider, *The Political Economy of Western Sicily*; E. Wolf & J. Cole, *The Hidden Frontier: Ecology and Ethnicity in the Alps*; S. H. Franklin, *The European Peasant: the Final Phase*; S. Brandes, *Kinship, Migration and Community*; S. Brandes, *Metaphors of Masculinity*; R. Wolf (Ed.), *Religion, Power and Protest in Local Communities: the Northern Shore of the Mediterranean*; Pat Holden (Ed.), *Women's Religious Experience*; Reñee Hirschon (Ed.), *Women and Property*; Shirley Ardener (Ed.), *Woman and Space*; P. Loizos, *The Heart Grown Bitter: a Chronicle of Cypriot War Refugees*; J. K. Campbell, *Honour, Family and Patronage: a Study of Institutions and Moral Values in a Greek Mountain Community*.

**Examination Arrangements:** There is a two hour examination in the Summer Term, with 7 questions, 2 of which must be answered. Classwork assessment forms 20% of the mark and candidates who do not

An1317

submit their written work by the due date will get few marks.

**Advanced Ethnography: India**

(Not available 1985-86)

**Teacher Responsible:** Dr. J. Parry, Room A609 (Departmental Secretaries, A604)

**Course Intended Primarily for** B.A./B.Sc. c.u. main field Social Anthropology 3rd year.

**Scope and Syllabus:** The course will deal with the ethnography of India with special reference to analyses of the caste system and the sociology of Hinduism.

**Teaching Arrangements:** 10 lectures (An306) and 10 classes (An306a) in the Lent Term.

**Written Work:** Students will be required to present one or more class papers during the course of the term. Written work, linked to the course, will be done for tutorials in the case of students whose main field is Social Anthropology.

**Reading List:** L. Dumont, *Homo Hierarchicus*; D. Pocock, *Kanbi and Patidar*; W. D. O'Flaherty, *Asceticism and Eroticism in the Mythology of Siva*; Veena Das, *Structure and Cognition: Aspects of Hindu Caste and Ritual*; D. Pocock, *Mind, Body and Wealth*; A. Mayer, *Caste and Kinship in Central India*; J. P. Parry, *Caste and Kinship in Kangra*; M. M. Srinivas, *Religion and Society among the Coorgs' Caste in Modern India and Other Essays*; A. Beteille, *Caste, Class and Power*. Additional Reading will be suggested during the course.

**Examination Arrangements:** There is a two hour examination in the Summer Term with 7 questions, 2 of which must be answered. Classwork assessment forms 20% of the mark and candidates who do not submit their written work by the due date will get few marks.

**Social Aspects of Political and  
Economic Development**

(Not available 1985-86)

**Teachers Responsible:** Dr. P. Loizos, Room A614 (Departmental Secretaries, A604) and Dr. S. Wallman, Room E495 (Secretary, E491)

**Course Intended Primarily for** B.A./B.Sc. c.u. main field Social Anthropology 3rd year; B.Sc. (Econ.) Part II; M.Sc. and other graduate students.

**Syllabus:** Anthropological perspectives on development and change in Third World/rural and European/industrial settings, with explicit emphasis on issues of theory and research methods throughout.

**Pre-Requisites:** Introductory courses in social anthropology, or sociology, or history. Consult your teachers if you lack these but wish to take the course.

**Teaching Arrangements:** Lectures (An304): 20 Michaelmas and Lent Terms.

Classes (An304a): 20 Michaelmas and Lent Terms. **Written Work:** Students will be expected to produce one assessment essay per term and to make one or two short oral presentations per term.

An1318

**Reading List: (1) Dr. Loizos — Selected Topics in Rural Development** G. Barraclough, *An Introduction to Contemporary World History*; A. K. Sen, *Poverty and Famines: An Essay on Entitlement*; R. Nisbet, *Social Change and History*; S. Gudemans, *The Demise of the Rural Economy*; P. Berger, *Pyramids of Sacrifice*; J. Goldthorpe, *Disparity and Involvement: the Sociology of the Third World*; E. Gellner, *Thought and Change*; P. T. Bauer, *Dissent on Development*; Uma Lele, *The Design of Rural Development: Lessons from Africa*.

**(2) Dr. Wallman — Ethnic Relations in Industrial Europe** M. Banton (Ed.), *Social Anthropology of Complex Societies*; A. Cohen (Ed.), *Urban Ethnicity*; A. L. Epstein, *Ethos and Identity*; C. Mitchell (Ed.), *Social Networks in Urban Situations*; S. Wallman (Ed.), *Ethnicity at Work*.

Further reading will be given during the course.

**Supplementary Reading List:** Eric Williams, *Capitalism and Slavery*; Wrigley, *Population and History*; R. Salisbury, *Vunamami*; Polly Hill, *Population, Poverty and Development: Rural Kano*; A. MacFarlane, *The Origins of English Individualism*.

**Examination Arrangements:** If taken as a half unit there is a two-hour examination in the Summer Term, with 7 questions, 2 of which must be answered. Classwork assessment forms 20% of the mark and candidates who do not submit their written work by the due date will get few marks.

If taken as a whole unit there is a three-hour examination in the Summer Term, 10 questions, 3 of which are to be answered. Classwork assessment forms 20% of the mark, and candidates who do not submit their essays by the due dates will get few marks.

An1331

**Anthropological Linguistics**

**Teacher Responsible:** Dr. J. Overing, Room A616 (Departmental Secretaries, A604)

**Course Intended Primarily for** B.A./B.Sc. main field course unit Soc. Anth. 3rd year; M.Sc. This course is taught in conjunction with the Department of Language Studies, whose contribution comprises a shortened form of **Elementary Linguistics** (see course unit Ln3810).

**Scope:** The aim of this part of the course is to examine the interrelationship between languages, thought and society.

**Syllabus:** The course will concentrate on four general topics: (1) Formalism; (2) Translation; (3) Tropes; (4) Power and Discourse.

**Teaching Arrangements:** Lectures: Ln100 25 Sessional; An308 10 Michaelmas Term.

Classes: An308a 10 Michaelmas Term. **Written Work:** Students must write an assessment essay. They will also be expected to contribute one or two oral papers at the classes. Written work, linked to the course, will be done for tutorials in the case of students whose main field is Social Anthropology.

**Reading List:** B. L. Whorf, *Language, Thought and Reality*, (1956); W. Percy, *The Message in the Bottle*, (1981); A. Ortony (Ed.), *Metaphor and Thought*, (1979); D. Parkin (Ed.), *Semantic Anthropology*, (1979);

(1982); P. Sapir and J. C. Crocker (Eds.), *The Social Use of Metaphor*; E. Ardener (Ed.), *Social Anthropology and Language*, (1971); R. Needham, *Belief Language and Experience*; M. Hollis and S. Lukes, *Rationality and Relativism*, (1982); J. Sturrock (Ed.), *Structuralism and Since*, (1979); J. Goody, *The Domestication of the Savage Mind*, (1977); D. Robey (Ed.), *Structuralism: An Introduction* (1973); J. Overing (Ed.), *Reason and Morality*; K. Burke, *Language as Symbolic Action*; J. Culler, *Saussure*; T. Hawkes, *Structuralism and Semiotics*; C. Levi-Strauss, *Totemism*; N. Chomsky, *Cartesian Linguistics*.

**Examination Arrangements:** There is a three-hour examination in the Summer Term, with ten questions. This exam covers both the anthropological and linguistic sections of the course. Three questions must be answered, including at least one of the three starred questions (the stars denote technical linguistics questions). The examination forms 80% of the marks. Classwork assessment forms 20% of the marks. This will be mainly based on the assessment essay in the anthropological section of the course. Students not producing this essay by the time indicated during the course will receive minimal marks.

An1332

**Linguistics and Anthropological  
Problems**

**Teacher Responsible:** Dr. J. Overing, Room A616 (Departmental Secretaries, A604)

**Course Intended Primarily for** B.A./B.Sc. course unit main field Social Anthropology 3rd year (half unit); M.Sc.

**Scope:** The aim of the course is to examine the inter-relationship between languages, thought and society. **Syllabus:** The course will concentrate on four general topics: (1) Formalism; (2) Translation; (3) Tropes; (4) Power and Discourse.

**Teaching Arrangements:** Lectures: (An308) 10 Michaelmas Term. Classes (An308a) 10 Michaelmas Term.

**Written Work:** Students must write an assessment essay. They will also be expected to contribute one or two oral papers at the classes. Written work, linked to the course, will be done for tutorials in the case of students whose main field is Social Anthropology.

**Reading List:** B. L. Whorf, *Language, Thought and Reality*, (1956); W. Percy, *The Message in the Bottle*, (1981); A. Ortony (Ed.), *Metaphor and Thought*, (1979); D. Parkin (Ed.), *Semantic Anthropology*, (1982); P. Sapir and J. C. Crocker (Eds.), *The Social Use of Metaphor*; E. Ardener (Ed.), *Social Anthropology and Language*, (1971); R. Needham, *Belief Language and Experience*; M. Hollis and S. Lukes, *Rationality and Relativism*, (1982); J. Sturrock (Ed.), *Structuralism and Since*, (1979); J. Goody, *The Domestication of the Savage Mind*, (1977); D. Robey (Ed.), *Structuralism: An Introduction*, (1973); J. Overing (Ed.), *Reason and Morality*; K. Burke, *Language as Symbolic Action*; J. Culler, *Saussure*; T. Hawkes, *Structuralism and Semiotics*; C. Levi-Strauss, *Totemism*; N. Chomsky, *Cartesian Linguistics*.

**Examination Arrangements:** There is a two-hour examination in the Summer Term with 7 questions, 2 of which must be answered. Classwork assessment forms 20% of the mark and candidates who do not submit their written work by the due dates will get few marks.

### Research Methods in Social Anthropology

(Not available 1985-86)

**Teacher Responsible:** Dr. P. Loizos, Room A614 (Departmental Secretaries, A604)

**Course Intended Primarily for:** B.A./B.Sc. c.u. main field Social Anthropology 3rd year; B.Sc. (Econ.) Part II; M.Sc. and other graduate students.

**Syllabus:** A brief historical introduction to methods in social anthropology, with an outline of the main types, particularly fieldwork by participant observation, the household census, the analysis of household composition, the sample survey, various approaches to asking questions and interviewing the life history, the case history, history.

**Pre-Requisites:** Introductory courses in social anthropology, or sociology, or history. Consult your teachers if you lack these but wish to take the course.

**Teaching Arrangements:** Lectures (An311) 10 Lent Term. Classes (An311a) 10 Lent Term.

**Written Work:** Students will be expected to produce one assessment essay and to make one or two short oral presentations. There may also be a simple 'practical exercise'.

**Reading List:** N. Chagnon, *Studying the Yanomamo*; W. F. Whyte, *Street Corner Society*; A. F. Robertson, *Community of Strangers*; A. L. Epstein (Ed.), *The Craft of Social Anthropology*; P. J. Pelto & G. H. Pelto, *Anthropological Research: the Structure of Inquiry*; J. C. Mitchell (Ed.), *Social Networks in Urban Situations*; R. F. Ellen (Ed.), *Ethnographic Research: a Guide to General Conduct*; M. Agar, *The Professional Stranger: an Informal Introduction to Ethnography*; J. Parry, *Caste and Kinship in Kangra*; L. Danforth, *Death Rituals of Rural Greece*; Janet Suskind, *To Hunt in the Morning*; M. Bulmer & D. P. Warwick, *Social Research in Developing Countries*; C. A. Moser & G. Kalton, *Survey Methods in Social Investigation*.

**Examination Arrangements:** There is a two hour examination in the Summer Term with 7 questions, 2 of which must be answered. Classwork assessment forms 20% of the mark, and candidates who do not submit their written work by the due dates will get few marks.

An1334

An1335

### Topics in Social Anthropology Further Topics

**Course Intended for:** B.Sc. (Econ.) Part II Social Anthropology.

Candidates for each of these papers must follow the teaching for two of the half-unit options listed under the heading "Topics in Social Anthropology" in the

regulations for the B.A./B.Sc. main field Social Anthropology.

An1341

### Conflict, Violence and War

**Teacher Responsible:** Dr. D. McKnight, Room A613 (Departmental Secretaries, A604)

**Course Intended Primarily for:** B.A./B.Sc. c.u. main field Social Anthropology 2nd or 3rd year; B.Sc. (Econ.) Part II; M.Sc. and other graduate students.

**Scope:** The aim of this course is to present an anthropological perspective of the socio, economic and technological dimensions of conflict, violence and war in various types of societies selected from different parts of the world.

**Syllabus:** This course is concerned with a comparative study of conflict, violence and war primarily among non-industrialised societies. Some account will be taken of Western Europe and the effect of industrialisation. Particular attention will be given to how societies cope with conflict, violence and war, and what factors contribute to the incidence and degree of these phenomena.

**Pre-Requisites:** Normally *Introduction to Social Anthropology and Ethnography and Theory*.

**Teaching Arrangements:** Lectures (An312) 10 Michaelmas Term. Classes (An312a) 10 Michaelmas Term.

**Written Work:** Students will be required to produce one assessment essay. Students will also be expected to prepare one or two short papers for discussion in classes.

**Reading List:** Napoleon A. Chagnon, *Yanomamo: The Fierce People*; C. Von Clausewitz, *On War*; C. W. M. Hart & Arnold R. Pilling, *The Tiwi of North Australia*; Paul Bohannon (Ed.), *Law and Warfare*; C. R. Hallpike, *Bloodshed and Vengeance*; Karl Heider, *Grand River Dani*; John Keegan, *In Face of Battle*; Mervyn Meggitt, *Blood is their Argument*; Renato Rosaldo, *Ilongot Headhunting*; H. H. Turney-High, *Primitive War*.

**Examination Arrangements:** There is a two-hour examination in the Summer Term, with 7 questions, 2 of which are to be answered. Classwork assessment forms 20% of the mark and candidates who do not submit their written work by the due date will get few marks.

An1342

### Urban Anthropology

**Teacher Responsible:** Dr. C. J. Fuller, Room A601 (Departmental Secretaries, A604)

**Course Intended Primarily for:** B.A./B.Sc. c.u. main field Social Anthropology 2nd and 3rd year; B.Sc. (Econ.) Part II; M.Sc. and other graduate students.

**Scope:** The anthropological study of urban society, with special reference to the modern city.

**Syllabus:** The concepts of the city and urbanism; the modern city and industrial capitalism; the 'Chicago School' and its critics; methodological and theoretical issues in urban anthropology and ethnography; class, ethnicity and social relations in the modern city; the modern city contrasted with the traditional city.

**Pre-Requisites:** Normally *Introduction to Social Anthropology and Ethnography and Theory*.

**Teaching Arrangements:** Lectures (An313) 10 Lent Term. Classes (An313a) 10 Lent Term.

**Written Work:** Students must write one assessment essay. They may also be expected to make one or two oral presentations in classes.

**Reading List:** A. Briggs, *Victorian Cities*; A. Cohen (Ed.), *Urban Ethnicity*; A. L. Epstein, *Politics in an Urban African Community*; R. G. Fox, *Urban Anthropology*; H. Gans, *The Urban Villagers*; U. Hannerz, *Exploring the City; Soulside*; J. C. Mitchell (Ed.), *Social Networks in Urban Situations*; R. E. Park, E. W. Burgess and R. D. McKenzie, *The City*; A. W. Southall (Ed.), *Urban Anthropology*; G. Stedman Jones, *Outcast London*; G. D. Suttles, *The Social Order of the Slum*; W. F. Whyte, *Street Corner Society*; L. Wirth, *On Cities and Social Life*.

Additional reading will be suggested during the course.

**Examination Arrangements:** There is a two-hour examination in the Summer Term, with 7 questions, 2 of which are to be answered. Classwork assessment forms 20% of the mark and candidates who do not submit their written work by the due date will get fewer marks.

An1397

### Special Essay Paper

**Course Intended for:** B.Sc. (Econ.) Special Subject Social Anthropology.

**Scope:** The essay may be on any topic deemed to be amenable to anthropological analysis, and agreed by the candidate's tutor. The tutor will be concerned that there is an adequate body of relevant literature available for analysis, and that the topic as defined is not unmanageably large.

**Syllabus:** There is no formal syllabus. Candidates will be expected to draw widely on their reading from other anthropology courses.

**Teaching Arrangements:** Formal instruction is not provided, but tutors will advise candidates during their normal tutorial meetings on scope, topic, and relevant reading, as well as on general approaches. Tutors are not permitted to read or comment on drafts of the essay, however, and students opting for the essay should not expect additional tutorial meetings to discuss it.

**Written Work:** The essay should be not more than 10,000 words of main text, including footnotes and appendices but excluding bibliography. In students' own interests the essay should ideally be typed, double spaced, using reference procedures of *Man* (The Journal of the Royal Anthropological Institute) in a consistent fashion.

The essay must be handed in by the date announced by the School which will normally be May 1st, and at the Examinations Office. The student is advised to retain a copy, to guard against mishap.

**Examination Arrangements:** see written work, above.

An1398

### Special Essay Paper

**Course Intended for:** B.A./B.Sc. c.u. main field Social Anthropology 3rd year.

**Scope:** The essay(s) may be on any topic deemed to be amendable to anthropological analysis, and agreed by the candidate's tutor. The tutor will be concerned that there is an adequate body of relevant literature available for analysis, and that the topic as defined is not unmanageably large.

**Syllabus:** There is not formal syllabus. Candidates will be expected to draw widely on their reading from other anthropology courses.

**Teaching Arrangements:** Formal instruction is not provided, but tutors will advise candidates during their normal tutorial meetings on scope, topic, and relevant reading, as well as on general approaches. Tutors are not permitted to read or comment on drafts of the essay(s), however, and students opting for the essay should not expect additional tutorial meetings to discuss it.

**Written Work:** The essay may not be more than 6,000 words of main text, including footnotes and appendices but excluding bibliography. The student may offer two essays, each of not more than 3,000 words of main text.

In students' own interests the essay(s) should ideally be typed, double spaced, using reference procedures of *Man* (The Journal of the Royal Anthropological Institute) in a consistent fashion.

The essay(s) must be handed in by the date announced by the School, which will normally be May 1st, and at the Examinations Office. The student is advised to retain a copy, to guard against mishap.

**Examination Arrangements:** see written work, above.

An2210

### General Principles of Social and Cultural Anthropology

See An1200, An 1220 and An1300

An2211

### Political and Economic Anthropology

See An1222

An2212

### The Anthropology of Religion

See An1302

**BUSINESS STUDIES****Lectures and Seminars**Lecture/Seminar  
NumberBS100 **Business Policy**  
Professor K. E. Thurley and  
Dr. R. Peccei

24/MLS

**ECONOMICS**

*This section is in two parts. The first part lists the lectures and seminars given by the department. The list provides a cross reference to the Study Guide(s) in which the syllabus and the reading list associated with the lecture or seminar can be found. The second part contains the Study Guides, presented in Study Guide number sequence.*

**Lectures and Seminars**Lecture/  
Seminar  
NumberStudy Guide  
Number

Ec101	<b>Economics A2</b> Dr. C. M. E. Whitehead and Dr. N. A. Barr	36/MLS	Ec1400
Ec102	<b>Economics B</b> Professor M. Morishima and Dr. S. Estrin	40/ML	Ec1403
Ec103	<b>Basic Mathematics for Economists</b>	30/ML	Ec1415
Ec104	<b>Introduction to Mathematical Economics</b> Dr. J. S. Lane	25/MLS	Ec1408
Ec105	<b>Economic Aspects of British Social Services</b> Dr. N. A. Barr	10/M	
Ec110	<b>General Economics</b> Dr. J. Le Grand	24/MLS	Ec1420
Ec111	<b>Economic Principles</b> (i) <b>Micro-Economic Theory</b> (ii) <b>Macro-Economic Theory</b> Professor P. R. G. Layard	20/ML 20/ML	Ec1425 Ec1425
Ec112	<b>Problems of Applied Economics</b> Dr. F. van der Ploeg and Professor M. Desai	22/MLS	Ec1500
Ec113	<b>Principles of Economics Treated Mathematically</b> (i) <b>Micro</b> Dr. F. Cowell (ii) <b>Macro</b> Dr. J. H. Moore	20/ML 20/ML	Ec1426 Ec1426
Ec114	<b>Mathematical Economics</b> Dr. A. Horsley	25/MLS	Ec1570
Ec115	<b>Principles of Econometrics</b> Professor A. C. Harvey	40/ML	Ec1561
Ec117	<b>Econometrics of Individual Behaviour</b> Mr. S. E. Pudney	10/L	Ec1579; Ec2411
Ec118	<b>Micro-Foundations of Macro-Economics</b> Dr. J. H. Moore	10/M	Ec1579



<i>Lecture/ Seminar Number</i>		<i>Study Guide Number</i>	
Ec119	<b>Cost-Benefit Analysis</b> Dr. S. Glaister	10/L	Ec1579
Ec120	<b>Econometric Topics in Macro-Economics</b> Mr. J. J. Thomas	10/M	Ec1579; Ec2411
Ec124	<b>Seminar in Quantitative Economics</b> Professor M. J. Desai and Mr. J. J. Thomas	20/L	Ec1569
Ec130	<b>History of Economic Thought</b> Dr. M. Perlman	20/ML	Ec1540
Ec131	<b>Advanced Economic Analysis</b> Dr. J. H. Moore and Dr. C. R. S. Dougherty	30/ML	Ec1506
Ec132	<b>Economics of Industry</b> Dr. C. M. E. Whitehead	25/MLS	Ec1451
Ec133	<b>Selected Topics in the Economics of Industry and Trade</b> Dr. C. M. E. Whitehead and others	24/MLS	Ec1541
Ec134	<b>Theory of Business Decisions</b> Professor L. P. Foldes	22/MLS	Ec1453
Ec135	<b>Economics of Investment and Finance</b> Professor L. P. Foldes	25/MLS	Ec1542; Ec2428
Ec136	<b>Labour Economics</b> Mr. S. Wadhvani	25/MLS	Ec1452
Ec137	<b>The Economics of Public Finance</b> Professor A. B. Atkinson	20/ML	Ec1507
Ec138	<b>Current Issues in Public Finance</b> Dr. N. Barr	5/M	Ec1507
Ec139	<b>Principles of Monetary Economics</b> Mr. R. A. Jackman	30/ML	Ec1513
Ec141	<b>The British Monetary System</b> Mr. R. F. G. Alford	20/M	Ec1514
Ec142	<b>Monetary Systems Seminar</b> Mr. R. F. G. Alford	10/ML	Ec1514
Ec143	<b>Introduction to Economic Policy</b> Professor C. Goodhart and Professor M. King	30/ML	Ec1450

<i>Lecture/ Seminar Number</i>		<i>Study Guide Number</i>	
Ec144	<b>The Economics of the Welfare State</b> Dr. N. A. Barr and Dr. J. Le Grand	24/MLS	Ec1543
Ec145	<b>International Economics</b> Mr. M. D. Steuer and Dr. E. A. Kuska	20/ML	Ec1520
Ec146	<b>Economic Development</b> Professor H. Myint and Professor N. Stern	20/ML	Ec1521; Ec2440
Ec147	<b>Economic Institutions Compared</b> Professor P. J. D. Wiles and Dr. S. Estrin	40/ML	Ec1454
Ec148	<b>Economic Planning</b> Dr. S. Estrin	40/ML	Ec1527
Ec149	<b>The Economics and Geography of Transport</b> Professor C. D. Foster and Dr. K. R. Sealy	25/ML	Ec1544
Ec150	<b>Transport Economics Treated Mathematically</b> Dr. S. Glaister	10/L	Ec1510; Ec1544; Ec2432
Ec202	<b>Preliminary-Year Micro-Economics</b> Dr. M. Perlman	20/ML	Ec2591
Ec203	<b>Preliminary-Year Macro-Economics</b>	20/ML	Ec2590
Ec210	<b>Final-Year Mathematics for Economics</b> Dr. E. A. Kuska	September course	Ec2410
Ec211	<b>Final-Year Statistics for Economists</b> Dr. J. R. Magnus	September course	Ec2410
Ec212	<b>Micro Economics I</b> Dr. S. Glaister	40/ML	Ec2404
Ec213	<b>Micro Economics II</b> Professor A. B. Atkinson and Professor M. Morishima	20/ML	Ec2405
Ec214	<b>Macro Economics I</b> Dr. C. R. Bean	40/ML	Ec2402
Ec215	<b>Macro Economics II</b> Dr. C. A. Pissarides	40/ML	Ec2403
Ec216	<b>Methods of Economic Investigation I</b> Dr. H. Wills, Mr. J. E. H. Davidson and Mr. J. J. Thomas	48/ML	Ec2410

<i>Lecture/ Seminar Number</i>		<i>Study Guide Number</i>	
Ec217	<b>Capital Theory</b> Dr. C. R. S. Dougherty	4/L	Ec2402; Ec2403
Ec219	<b>Advanced Economic Theory</b> Professor M. Morishima	18/ML	Ec2420
Ec221	<b>History of Economic Thought</b> (i) <b>Classical Economics</b> Dr. M. Perlman (ii) <b>Seminar</b> Dr. M. Perlman	20/ML 20/ML	Ec2425 Ec2425
Ec222	<b>Introduction to International Trade and International Monetary Economics</b> (i) <b>Theory</b> Dr. E. A. Kuska (ii) <b>History and Institutions</b>	10/M 10/M	Ec2426 Ec2426
Ec223	<b>International Trade Theory and Commercial Policy</b>	15/ML	Ec2426
Ec224	<b>International Monetary Economics</b> Dr. E. A. Kuska	15/ML	Ec2426
Ec226	<b>Theory of Optimal Decisions</b>		Ec1542; Ec2428
Ec227	<b>Labour Economics</b> (i) <b>Labour Supply, Demand, Unemployment and Wage Inflation</b> Professor P. R. G. Layard (ii) <b>Microeconomic Foundations of Employment and Inflation Theory</b> Dr. J. H. Moore	25/ML 10/L	Ec2429 Ec2429
Ec228	<b>Monetary Economics</b> Professor C. Goodhart and Dr. D. Webb	45/MLS	Ec2430
Ec229	<b>Banking and Monetary Policy</b> Mr. R. F. G. Alford	10/L	Ec2430
Ec231	<b>Welfare Analysis for Transport Economics</b> Dr. S. Glaister	5/M	Ec2432
Ec232	<b>Economics of Transport: Road and Rail</b> Professor C. D. Foster	5/M	Ec1544; Ec2432
Ec233	<b>Economics of Transport: Aviation</b>	5/S	Ec2432

<i>Lecture/ Seminar Number</i>		<i>Study Guide Number</i>	
Ec234	<b>Transport and Urban Economics Seminar</b> Professor C. D. Foster, Dr. S. Glaister, Mr. R. A. Jackman and Dr. C. M. E. Whitehead	10/L	Ec2432; Ec2510
Ec235	<b>Cost-Benefit Analysis</b> Professor C. D. Foster	6/L	Ec2510
Ec236	<b>The Economics of Public Finance (Graduate Course)</b> Professor A. B. Atkinson	20/ML	Ec2435
Ec237	<b>Seminar in Public Sector Economics</b> Professor A. B. Atkinson	12/MLS	Ec2435
Ec238	<b>Public Enterprise Economics</b> Professor Bös	3/L	Ec2435; Ec2436
Ec240	<b>Economics of Industry (Graduate Course)</b>	20/ML	Ec2436
Ec242	<b>The Economics of Less Developed Countries</b> Mr. M. D. Steuer	20/ML	Ec2440
Ec243	<b>Seminar on the Economics of Less Developed Countries</b> Mr. M. D. Steuer	20/ML	Ec2440
Ec245	<b>Soviet Economic Development</b> Professor P. J. D. Wiles and Mr. A. H. Smith	25/MLS	Ec1548; Ec2441; Ec2442
Ec246	<b>Economic Problems of the Communist World — Seminar</b> Professor P. J. D. Wiles	13/MLS	Ec1548; Ec2441; Ec2442
Ec247	<b>National Economic Planning: Command-Type and Indicative</b> Professor P. J. D. Wiles, Dr. S. Estrin and Dr. S. Gomulka	35/MLS	Ec2442
Ec248	<b>Planning and Comparative Economics — Seminar</b> Professor P. J. D. Wiles	13/MLS	Ec2442
Ec249	<b>Capital Markets</b> Professor M. King	25/MLS	Ec2435; Ec2437
Ec251	<b>Manpower Development Planning</b> Dr. C. R. S. Dougherty	10/M	Ec2429; Ec2440

<i>Lecture/ Seminar Number</i>		<i>Study Guide Number</i>	<i>Study Guide Number</i>
Ec253	<b>Marx, Walras and Keynes in the Light of Contemporary Economic Analysis</b> Professor M. Desai	25/MLS	Ec2455
Ec254	<b>Marx, Walras and Keynes in the Light of Contemporary Economic Analysis — Seminar</b> Professor M. Desai	10/L	Ec2455
Ec255	<b>Economic Organisation of the European Community</b> Mr. A. Marin	13/ML	Ec2516
Ec256	<b>Economic Organisation of the European Community — Seminar</b> Mr. A. Marin	15/ML	Ec2516
Ec257	<b>Basic Economic Concepts</b>	20/M	Ec2516
Ec258	<b>The Economics of Inequality</b> Professor A. B. Atkinson	35/ML	Ec2465
Ec259	<b>Seminar on Economic Inequality</b> Professor A. B. Atkinson	5/L	Ec2465
Ec260	<b>The Economics of Technological Change and Long Term Growth</b> <b>(i) Micro-Economics</b> Mr. D. E. de Meza and Dr. T. Horsley <b>(ii) Macro-Economics</b> Dr. S. Gomulka	18/ML 13/ML	Ec2470 Ec2470
Ec263	<b>Technological Change — Seminar</b> Professor P. J. D. Wiles and Mr. D. E. de Meza	5/L	Ec2470
Ec300	<b>Preliminary-Year Seminar in Economics</b> Dr. J. H. Moore	20/ML	
Ec301	<b>Preliminary-Year Seminar in Econometrics</b> Professor M. Desai and Dr. J. R. Magnus	25/MLS	
Ec302	<b>Graduate Seminar for Advanced Quantitative Economics</b> <b>(i) Mr. S. E. Pudney</b> <b>(ii) Dr. C. R. Bean and others</b>	<b>(i) 10/L</b> <b>(ii) 10/M</b>	Ec2550 Ec2551
Ec303	<b>Advanced Quantitative Economics I &amp; II</b> <b>(I) Mr. S. E. Pudney</b> <b>(II) Dr. C. R. Bean</b>	<b>(I) 10/L</b> <b>(II) 10/M</b>	Ec2550 Ec2251

<i>Lecture/ Seminar Number</i>		<i>Study Guide Number</i>	<i>Study Guide Number</i>
Ec305	<b>Introduction to General Equilibrium</b>	10/M	Ec2570
Ec306	<b>Topics in Advanced Mathematical Economics</b>	10/M	Ec2570
Ec307	<b>Imperfect Condition</b> <i>(Not available 1985–86)</i>	10/L	Ec2570
Ec308	<b>Equilibrium and Information</b> <i>(Not available 1985–86)</i>	10/M	Ec2570
Ec309	<b>Economies with Incomplete Markets</b> <i>(Not available 1985–86)</i>	10/L	Ec2570
Ec310	<b>Organisation and Information</b>	10/L	Ec2570
Ec311	<b>Public Economics</b> Dr. A. Horsley	10/M	Ec2570
Ec312	<b>Intertemporal Economics</b> Dr. J. S. Lane	10/L	Ec2570
Ec313	<b>Duality, Programming and Economic Theory</b> <i>(Not available 1985–86)</i>	10/L	Ec2571
Ec314	<b>Seminar in Mathematical Economics</b>	12/MLS	Ec2571
Ec315	<b>Asymptotic Theory for Econometrics</b> Professor J. S. Sargan	5/M	Ec2560; Ec2561
Ec316	<b>Advanced Econometric Theory</b> Professor P. M. Robinson	25/MLS	Ec2560; Ec2561
Ec317	<b>Finite Sample Properties</b> Professor D. Sargan	10/L	Ec2560; Ec2561
Ec319	<b>Matrix Differential Calculus</b> Dr. J. R. Magnus	10/M	Ec2560; Ec2561
Ec320	<b>Statistical Forecasting and Control</b> Professor A. C. Harvey	10/M	Ec2560; Ec2561
Ec321	<b>Non-Linear Techniques in Econometrics</b> Mr. J. E. H. Davidson	10/M	Ec2560; Ec2561
Ec323	<b>Seminar in Econometrics</b> Dr. H. Wills, Professor M. Desai and Professor A. C. Harvey	12/MLS	Ec2560; Ec2561
Ec400	<b>Elements of Urban and Regional Economics</b> Dr. C. M. E. Whitehead	10/M	Ec2510; SM8357

Lecture/  
Seminar  
NumberStudy Guide  
Number

Ec401	<b>Seminar in Regional and Urban Economics</b> Mr. R. A. Jackman	15/LS	Ec2510
Ec410	<b>Topics in Economic Analysis</b> Professor M. A. King and others	30/ML	Ec2495
Ec411	<b>Seminar in Research Strategy</b> Mr. M. D. Steuer and Dr. D. C. Webb	30/MLS	
Ec412	<b>Seminar for Research Students in Economics</b> Mr. M. D. Steuer	30/MLS	
Ec450	<b>Money and Macro-Economic Workshop</b> Mr. R. F. G. Alford and Dr. C. A. Pissarides	49/MLS	
Ec452	<b>The Unemployment Seminar</b> Mr. R. A. Jackman and Professor P. R. G. Layard	15/MLS	Ec2429; Ec2450
	<b>Econometrics Workshop</b> Professor M. Desai, Mr. J. E. H. Davidson, Professor J. D. Sargan, Dr. J. R. Magnus, Mr. S. E. Pudney, Professor A. C. Harvey and Dr. H. Wills	MLS	

## Study Guides

Ec234

**Transport and Urban Economics  
(Seminar)**

**Teachers Responsible:** Professor Foster, Dr. S. Glaister, Mr. R. Jackman, Room S376 and Dr. C. Whitehead.

**Course Intended** for graduate students.

**Scope:** Presentation and discussion of papers by research students, staff members and visitors.

**Teaching Arrangements:** Seminars (Ec234) held in the Lent Term.

Ec411

**Seminar in Research Strategy**

**Teachers Responsible:** Mr. M. D. Steuer, Room S183 and Dr. D. C. Webb, Room S280

**Course Intended** for M.Phil. and Ph.D. students in Economics.

**Scope:** The seminar will emphasize the selection of research topics and the design of feasible research programmes.

**Teaching Arrangements:** Seminars (Ec411). Twenty hours, Michaelmas and Lent Terms.

Ec412

**Seminar for Research Students in  
Economics**

**Teacher Responsible:** Mr. M. D. Steuer, Room S183  
**Course** for all students registered for M.Phil. or Ph.D. degrees in Economics.

**Scope:** The basic purpose of the seminar is to present and discuss work which bears on the problems of selecting and defining research topics, and work which bears on the successful execution of economic research. The approach is informal and an emphasis is placed on allowing adequate time, more than one week on a single paper if necessary, so that questions raised by the speaker or the participants may be satisfactorily resolved. Members of the seminar may suggest and agree on inviting outside speakers. The majority of the papers consist of students' research work at various stages of progress.

**Teaching Arrangements:** The seminar meets weekly throughout the academic year.

Ec450

**Money and Macro Economics  
Workshop****I: Theory and Testing**

**Teacher Responsible:** Professor C. Goodhart

**Workshop** for academic staff, research students, academic visitors and others invited to attend.

**Scope:** Theory and empirical testing in the fields of monetary and macro-economics.

**Meeting Arrangements:** The workshop is held weekly, on Wednesdays at 5-6.30 p.m. and is Sessional.

**II: Banking and Finance**

**Teacher Responsible:** Mr. R. Alford, Room S378 and Professor C. Goodhart.

**Workshop** for academic staff, research students, academic visitors and others invited to attend.

**Scope:** Current problems and policy in the field of monetary and macro-economics, and in banking and other capital market institutions, both British and international.

**Meeting Arrangements:** The workshop is held weekly on alternate Tuesdays at 5-6.30 p.m.

Ec1400

**Economics A2**

**Teacher Responsible:** Dr N. A. Barr, Room S578

**Course Intended** Primarily for B.Sc. (Econ.) Part I; B.Sc. (Econ.) Part II 2nd or 3rd year; B.A./B.Sc. by Course Unit, main fields Geography, Management Sciences, Social Anthropology, Sociology, Social Psychology (Course Unit 12/340/1400), 1st, 2nd or 3rd year. Diploma in Accounting and Finance (Paper 3, 4 and 5 (a)); Diploma in Management Sciences (V (a)); M.Sc. final year. Not to be taken if Economics B has already been taken.

**Scope:** This is an introductory course in economic theory; it assumes no previous knowledge of economics or mathematics.

**Syllabus:** This course gives a foundation in economic theory, primarily to those who have done no economics before. The course is suitable for those who intend to do further economics, either specialist or non-specialist. No knowledge of algebra is assumed. The course covers standard micro- and macro-economic theory and its extensions and some aspects of income distribution. Topics dealt with include demand and supply, theories of utility and cost, market structures, optimality, theories of wages and labour supply, macro-economic equilibrium in the goods and money markets, unemployment, inflation, and the balance of payments.

**Pre-Requisites:** None.

**Teaching Arrangements:** There is one lecture course and an accompanying set of classes:

Lectures: Ec101 **Economics A2** 36 lectures (18 Michaelmas, 15 Lent and 3 Summer Term)

Classes: Ec101(a) 20 Sessional.

Ec101 **Economics A2** covers the whole of the syllabus described above; 18 lectures (Michaelmas Term, Dr. C. M. E. Whitehead are on microeconomics; the remaining 18 (Lent and Summer Terms, Dr. N. A. Barr, are on macroeconomics. The course follows fairly closely standard first year textbooks such as Lipsey, Baumol and Blinder or Begg, Fischer and Dornbusch (see details below).

Lecture handouts are distributed at frequent intervals; they contain the outline of the lectures, details of prescribed readings and questions for discussion in classes. In addition about eight programmed learning problem sets are handed out in lectures, each containing about fifteen multiple choice questions. Interactive software programmes are also available for use on a voluntary basis.

Ec101a There are 20 classes, usually taught by part-time teachers. They are used mainly to deal with questions arising out of the lectures; with some of the questions on the lecture handouts; and with the questions on the programmed learning problem sets. They are used also to discuss students' written work.

**Written Work:** In addition to the programmed learning problem sets class teachers will normally set and mark four pieces of written work from each student during the course.

**Reading List:** Students should buy one of the following: R. G. Lipsey, *An Introduction to Positive Economics* (6th edn.), Weidenfeld and Nicolson, 1983; W. J. Baumol & A. S. Blinder, *Economics, Principles and Policy* (2nd edn.), Harcourt Brace Jovanovich, 1982; D. Begg, S. Fischer and R. Dornbusch, *Economics*, McGraw-Hill, 1984.

No one book is better than any of the others; each student should buy the book which best suits his/her personal style.

**Supplementary Reading List:** Before the start of the course students may wish to consult: P. Donaldson, *A Question of Economics*, Penguin; J. Robinson, *Economic Philosophy*, Penguin; J. K. Galbraith, *Economics and the Public Purpose*, Penguin; M. Friedman & R. Friedman, *Free to Choose*, Penguin; M. Stewart, *Keynes and After*, Penguin.

Further supplementary reading is given in the weekly handouts.

**Examination Arrangements:** There is a three hour formal examination in the Summer Term based on the full syllabus. The assessment for the course is based entirely on the examination result. The examination contains two types of question

(a) a compulsory question consisting of eight questions requiring short answers, and of which the student must answer four; and

(b) seven or eight questions requiring longer answers of which the student must answer three. Students will be expected to answer questions from both Micro and Macro Economics.

Copies of previous years' papers are available.

### Ec1403

#### Economics B

**Teachers Responsible:** Dr. S. Estrin Room S581 and Professor M. Morishima, Room R410 (Secretary, Ms. D. Clark, R411)

**Course Intended Primarily for** B.Sc. (Econ.) Parts I and II; B.Sc. c.u. main fields, Maths., Stats., Comp., Act. Sci., Man. Sci., Dip. Man. Sci.

**Scope:** The aim of the course is to give students the conceptual basis and the necessary analytical tools for understanding contemporary economics.

**Syllabus:** Part A (Dr. S. Estrin) – Theory of consumer behaviour; theory of the firm; market equilibrium; imperfect competition; general equilibrium theory; welfare economics; financial markets. Part B (Professor Morishima) – Analysis of the market: for the primary industry and for the secondary industry; determination of exchange rates; an aggregative general equilibrium model; is full employment possible?; public finance policy; monetary policy.

**Pre-Requisites:** A knowledge of A-level economics is desirable, as is some knowledge of mathematics (e.g. elementary linear algebra and calculus). Neither is essential, but those students without this background should be prepared to do extra work.

**Teaching Arrangements:** Dr. S. Estrin will give twenty 1-hour lectures (Ec102) in the Michaelmas Term, and Professor Morishima will give twenty 1-hour lectures (Ec102) in the Lent Term. There will also be twenty-two accompanying classes (Ec102a) through the year.

**Reading List:** W. J. Baumol and Alan S. Blinder, *Economics: Principles and Policy*; Michio Morishima, *The Economics of Industrial Society*; R. G. Lipsey, *An Introduction to Positive Economics*; Peter J. de la F. Wiles, *Price, Cost and Output*; David Laidler, *Introduction to Microeconomics*.

**Examination Arrangements:** There is a three-hour formal examination in the Summer Term, based on the full syllabus of parts A and B of the course. There will be at least twelve questions, of which four must be answered. Students must choose at least two from each part of the course.

The assessment of the course is based exclusively on the exam paper.

### Ec1408

#### Introduction to Mathematical Economics

**Teacher Responsible:** Dr. John Lane, Room S580.  
**Course Intended Primarily for** B.Sc. (Econ.) Part I and II; B.Sc. Course Unit main fields Maths., Stats., Computing, Actuarial Science, Management Sciences, Diploma Management Sciences.

**Scope:** An introduction to economic principles suitable for those intending to specialise in economics. A mathematical approach is adopted whenever it is appropriate. Although the syllabus is similar to those of many 'A' level courses, the approach is quite different to that usually found at 'A' level. 'A' level economics is not a requirement for this course, nor is it necessarily a great advantage to have taken it. A facility with applied mathematics, on the other hand, is a considerable advantage.

**Syllabus:** Supply and demand: static and dynamic properties of markets in equilibrium. The competitive producer: the production and cost functions, returns to scale; the supply function, the input demand functions, the elasticity of substitution; the firm and the industry. The theory of consumers' behaviour; preferences and utility functions, demand functions, expenditure functions and compensated demand functions; the Slutsky equation; revealed preference; labour supply. Welfare economics in competitive markets; Pareto efficiency, general equilibrium; the effect of taxes, externalities, public goods. Monopoly, oligopoly, imperfect competition and imperfect information. Macroeconomics; the multiplier, fiscal policy, simple dynamic models; investment and the rate of interest, the demand for money; full equilibrium, fiscal and monetary policy.

**Teaching Arrangements:**

**Classes:** Eighteen weekly classes (Ec104a) in the Michaelmas, Lent and Summer Terms.

**Lectures:** One lecture a week is held, twenty five lectures (Ec104) in all.

There are two text books for the course, both of which are required reading. One of these is: *A Mathematical Introduction to Economics* by Alasdair Smith (Blackwell, 1982). You must buy and become thoroughly familiar with this text. As you read the book you should be sure to redraw each diagram for yourself to a much larger scale. This will greatly enhance your understanding and it will help you to remember the material. At the end of each chapter you will find a set of exercises. You should attempt as many of these as you possibly can, even though your class teacher will only have time to discuss a small proportion of them. Take every opportunity to discuss them – and the lecture material – with your colleagues. Some exercises require a largely mathematical answer, some are best tackled using diagrams, some require a purely verbal answer, and some require combinations of these approaches. Usually it will be obvious what approach is required, but sometimes you will have to form your own judgement of the best way to tackle a question. You will undoubtedly find, especially at first, that the skill of forming such judgements is harder to acquire than the purely mathematical skills required.

*An Introduction to Positive Economics* by R. G. Lipsey (Weidenfeld & Nicolson). The fifth edition is available in paperback at £8.50 but it is no handicap to use the second or third or fourth editions. Smith's book is *not* a substitute for this book: they should be used together. Specific references to Lipsey may not always be given in the lectures but it is normally easy enough to find the relevant passages.

It is very important that you should give as much attention to Lipsey as to the rather more terse mathematical book. There is a danger that a thorough understanding of the formal, mathematical manipulations will give you a false impression of understanding the underlying economics of what is being said. The economics is the important thing and so you must guard against a superficial understanding by reading Lipsey.

Occasionally you may find it helpful to refer to three other books: G. C. Archibald and R. G. Lipsey, *An Introduction to a Mathematical Treatment of Economics* and W. J. Baumol, *Economic Theory and Operations Analysis*, and E. Silberberg, *The Structure of Economics, a Mathematical Analysis* but you will not need to buy them, and again, it is not necessary to consult the latest editions.

If you do not understand something said in a lecture, *do not hesitate to ask to have the point repeated and clarified*. The chances are that other students have the same problem. I will be sticking closely to the material in Smith's book (although there will not be time to cover all of it) and so there is no necessity to take full lecture notes if you do not want to. However, many people find it much easier to understand and remember things if they write them down. And when you come to revise after a period of time, you may find notes you have written yourself easier to follow than material written by somebody else.

Classes will be every week. These will give you an opportunity to discuss your problems with the lecturers

and to discuss any other matters you or your class teacher may wish.

**Reading List:** The first two titles are required reading. You should certainly buy Smith and you will need easy access to Lipsey.

M. A. M. Smith *A Mathematical Introduction to Economics*, Blackwell; R. G. Lipsey, *An Introduction to Positive Economics*, Weidenfeld & Nicolson.

**Supplementary Reading List:** G. C. Archibald & R. G. Lipsey, *An Introduction to a Mathematical Treatment of Economics*; W. J. Baumol, *Economic Theory and Operations Analysis*; E. Silberberg, *The Structure of Economics, a Mathematical Analysis*.

**Examination Arrangements:** You are strongly advised to have a look at recent past examination papers for the course (available in the Teaching Library) so as to get an idea of what is required at the end of the year. The paper requires you to answer four questions in three hours from a total of about nine. Each question carries 25% of the marks.

### Ec1415

#### Basic Mathematics for Economists

**Teacher Responsible:** To be announced

**Course Intended Primarily for** B.Sc. (Econ.) Part I; Diploma in Economics.

**Scope:** Course Ec103 is designed to provide students with the elementary mathematical tools that are needed to pursue a degree in economics. Application of these techniques to a variety of economic problems is given particular emphasis. Course SM100 covers other topics contained in a typical A-level Pure Mathematics syllabus and provides the necessary background for SM102, **Elementary Mathematical Methods**.

**Syllabus:**

Ec103 (Part A): Linear and quadratic functions; systems of linear equations; input-output analysis; an introduction to linear programming; geometric series; discounting and present values. Differentiation of polynomials; differential rules for products, quotients and functions of functions; marginal cost and marginal revenue; price and income elasticity; maximisation and minimisation; logarithms; the exponential function and its derivative; definite and indefinite integrals; consumer's surplus, summation of continuous flows. Ec103 (Part B): Functions of several variables; partial differentiation; maxima and minima; properties of production functions; profit maximisation and cost minimisation; utility and demand functions; the lagrange multiplier method for maximisation and minimisation under constraints; equilibrium and stability in dynamic models.

SM100: Partial fractions; trigonometric and inverse trigonometric functions; further calculus, including integration by parts and by substitution; Taylor series.

**Pre-Requisites:** The course is designed for students with a reasonable understanding of O-level mathematics, or its equivalent. Prior knowledge of calculus is not assumed.

**Teaching Arrangements:** The 28 lectures for Ec103 are given during Michaelmas and Lent Terms. SM100 will be given towards the end of the Michaelmas Term. Comprehensive lecture notes are provided for both lecture courses. Students will be allocated one class a

week (Sessional) in connection with Ec103. 10 extra classes will be organised for those choosing to attend SM100. A further remedial class will be arranged for those in difficulty.

**Written Work:** There are sets of problems associated with both courses that will form the basis of class discussion. The capacity to solve problems similar to those in the class exercises is the primary focus of the course. Students should make every effort to tackle the exercises, and to hand in solutions, in advance of the class discussion.

**Reading List:** There are a variety of texts that cover most of the material in Ec103 and are close substitutes. It is advisable to purchase one of the following: G. C. Archibald & R. G. Lipsey, *An Introduction to a Mathematical Treatment of Economics*; J. Colin Glass, *An Introduction to Mathematical Methods in Economics*; J. Black and J. F. Bradley, *Essential Mathematics for Economists*; Edward T. Dowling, *Mathematics for Economists*. Archibald and Lipsey is perhaps the most comprehensive of the above, but some students may find it a little advanced. The Book by Dowling is particularly rich in worked examples.

**Examination Arrangements:** The course assessment is based exclusively on a three-hour formal examination in the Summer Term. The paper will include 9 questions on the material from Ec103 and 3 questions on SM100. Students are required to answer 5 questions with no restriction on choice, and each question is given equal weight. Students can expect to pass the course if they correctly answer 2 complete questions.

In designing the examination it is assumed that students have attended Ec103 (Part A) and either Ec103 (Part B) or SM100 or both. However, the appropriate strategy for almost all students will be to attend both parts of Ec103, and then opt to attend SM100 in addition if they wish to cover the more advanced mathematical techniques.

### Ec1420

#### General Economics

**Teacher Responsible:** Dr. J. Le Grand, Room R405  
**Course Intended Primarily for** B.Sc. (Econ.) Part II (but not special subjects I-VII, XIX, XX, XXVI); B.A./B.Sc. c.u. 2nd or 3rd year.

**Scope:** The course is aimed at students with some training in elementary economics, but who are not specialising in the subject. It concentrates on micro-economic and macro-economic policies and problems, with examples based primarily on the U.K.

**Syllabus:** The course covers the following areas: industrial policy, pollution, health care, education, housing, poverty and inequality, inflation and unemployment, stabilisation policies, incomes policy, exchange rates and balance of payments, economic growth.

**Pre-Requisites:** A knowledge of introductory micro- and macro-economics (e.g. as covered in Economics A2 or U.K. "A" level economics).

**Teaching Arrangements:** Ec110: 12 lectures in macro-economics, 12 lectures in micro-economics throughout the year.

There are also twenty-three classes (Ec110(a)).

Classes: Students are expected to contribute to class discussions, and to hand in four essays to the class teacher.

**Reading List:** There is no single textbook covering the whole course; but, for the micro-economic half, students are advised to purchase: J. Le Grand & R. Robinson, *The Economics of Social Problems* (2nd edn.), Macmillan, 1983.

Detailed reading lists are handed out at the beginning of each of the two sets of lectures.

**Examination Arrangements:** The course is examined by a three-hour formal examination in the Summer Term. The examination paper is split into two sections with six questions in each section; students have to answer four questions, with at least one from each section.

### Ec1425

#### Economic Principles

**Teacher Responsible:** Professor P. R. G. Layard, Room S84 and Professor N. Stern.

**Course Intended Primarily for** B.Sc. (Econ.) Part II; B.Sc. c.u.; Dip. Econ.; Dip. Acc. and Fin.; Dip. Bus. Studies.

**Scope:** An intermediate course in micro-economic and macro-economic analysis.

**Syllabus: Microeconomics:** The principles of the economic analysis of the market mechanism. The determination of relative prices, the allocation of resources and the distribution of income. Welfare economics.

**Macroeconomics:** The goods market (simple Keynesian analysis); the goods and money markets (IS/LM; the demand and supply of money, aggregate supply and demand; inflation and unemployment; the financing of budget deficits; the open economy; consumption; investment; the business cycle and stabilization policy. The treatment will involve diagrammatic techniques and elementary algebra, but more severe mathematical treatment will not be required.

**Pre-Requisites:** The course is designed to follow introductory courses in Economics based on text books such as P. A. Samuelson, *Economics*; or R. G. Lipsey, *Positive Economics*. Students who have not previously studied Economics should read either of these books before commencing **Economic Principles**.

**Teaching Arrangements:**

Lectures: Ec111(i) **Micro-Economic Theory** 20 Lent Term, by Professor N. Stern. Ec111(ii) **Macro-Economic Theory** 20 Michaelmas Term, by Professor Layard.

Classes Ec111(a) 24 Sessional.

Classes will be largely devoted to discussion of problems designed to strengthen students' understanding of analytical methods. Students are urged to attempt the assigned problems before attending classes. At least five pieces of written work will be required and marked by class teachers.

**Reading List:** Micro: D. Laidler, *Introduction to Micro-economics* (2nd edn.), and/or J. Hirshleifer, *Price Theory and its Applications* (2nd edn.); J. R. Gould, *Additional Notes* covering some parts of the lectures and available in the Teaching Library.

### Ec1426

#### Principles of Economics Treated Mathematically

**Teacher Responsible:** Dr. F. A. Cowell, Room S475  
**Course Intended Primarily for** B.Sc. (Econ.) Part II; B.Sc. course unit; Diploma in Economics; Diploma in Econometrics; M.Sc. preliminary year.

**Scope:** The aim of the course is to provide students with a basic grounding in microeconomic and macro-economic analysis.

**Syllabus: Microeconomics:** Standard optimisation methods are used to analyse the theory of production, the theory of the firm, the theory of consumer behaviour; the comparative statics properties of equilibrium models are analysed. An outline of general equilibrium analysis is provided with specific discussion in a two-sector model. There is an elementary treatment of topics such as imperfect markets, uncertainty and welfare economics.

**Macroeconomics:** The basic macroeconomic model incorporating a goods market, asset market and labour market is set up and its comparative statics discussed. The consumption function, investment behaviour and the demand for and supply of money are discussed in greater detail. The model is extended to incorporate the government and international trade. Elementary dynamics models of output, employment and prices are analysed.

**Pre-Requisites:** A knowledge of mathematics covering basic algebra, basic differential and integral calculus (including partial derivative differentiation), elementary linear algebra, simple differential and difference equations. (See *Mathematical Background*, below.) An appropriate first year economics course is an advantage but not essential.

**Teaching Arrangements:** Lectures: Ec113(i) **Microeconomics**, one a week in the Michaelmas and Lent Terms by Dr. F. Cowell. Ec113(ii) **Macroeconomics**, one a week in the Michaelmas and Lent Terms by Dr. J. Moore. Accompanying the lectures is a set of classes (Ec113a) which are intended for further discussion of issues raised in lectures and for discussion of problem sets issued by the lectures.

**Written Work:** In the Michaelmas and Lent Terms a one-hour mock examination will be held based on that

The above are required reading. In addition: D. de Meza and M. Osborne, *Problems in Price Theory* is valuable for practice in analytical methods.

Macro: R. Dornbusch & S. Fischer, *Macro-economics*, is the recommended text. The material of the course is also covered in G. Ackley, *Macroeconomics*, W. Branson, *Macroeconomics* or M. Perlman, *Macroeconomics*.

**Supplementary Reading List:** A limited amount may be recommended in the lecture courses.

**Examination Arrangements:** There is a three-hour formal examination in the Summer Term. The examination paper is divided into two parts, micro and macro, with six questions in each part. Candidates are required to answer two questions from each part. All questions carry equal weight. Copies of previous years' papers are available in the library.

term's work. Students are strongly advised to prepare for these two tests diligently since the experience gained in them will be of considerable value in preparing for the formal examinations in the Summer. Students are also strongly encouraged to work through all the examples and exercises provided by the lecturers.

**Reading List: Microeconomics:** There is no single textbook which covers the course at the right level of difficulty. However, H. Gravelle & R. Rees, *Microeconomics*, Longmans, provides a good coverage. Slightly advanced, but very thorough is E. Malinvaud, *Lectures in Microeconomic Theory*.

Students with strong mathematics can find a more rigorous analysis in H. Varian, *Micro Economic Analysis*, Norton.

Other detailed reading will accompany the course notes.

**Macroeconomics:** The best textbook for the course is: R. Dornbusch & S. Fischer, *Macroeconomics* (3rd edn.).

Dornbusch and Fischer make little use of mathematics. A text covering many of the topics of the course at an appropriate mathematical level is: P. Burrows & T. Hitiris, *Macroeconomic Theory: A Mathematical Introduction*.

Students with strong mathematics can find a more rigorous analysis in D. J. Ott, A. F. Ott & J. H. Yoo, *Macroeconomic Theory*. Many other text books cover the course syllabus (without being especially mathematical). For example: W. H. Branson & J. H. Litvack, *Macroeconomics* (2nd edn.); T. F. Dernberg & D. M. McDougall, *Macroeconomics* (5th edn.); M. Perlman, *Macroeconomics* (2nd edn.).

Detailed guidance will be given in the lectures.

#### Mathematical Background

It is assumed that students will be familiar with basic mathematics, to the level of, say, G. C. Archibald & R. G. Lipsey, *A Mathematical Treatment of Economics*; A. C. Chiang, *Fundamental Methods of Mathematical Economics*; T. Yamane, *Mathematics for Economists*.

**Examination Arrangements:** There is a three-hour examination in the Summer Term based on the full syllabus covered by the lecture courses. The paper contains 12-14 questions grouped in two or three sections. Candidates are required to answer four questions, choosing at least one from the microeconomics section and at least one from the macroeconomics section. The questions are set in such a way as to test analytical, computation and descriptive skills. Students are encouraged to check previous years' examination papers for guidances on the style of questions.

### Ec1430

#### Introduction to Econometrics and Economic Statistics

**Teachers Responsible:** Dr. C. R. S. Dougherty, Room S184, Professor A. Harvey, Room S218A and Dr. C. M. Phillips, Room S207.

**Courses Intended Primarily for** B.Sc. (Econ.) Part II; M.Sc. Economics preliminary year; Diploma in Economics.







**Teaching Arrangements:** Lectures: Ec147

**Economic Institutions Compared,** 30 lectures by Dr. Estrin and Professor Wiles.

Classes: Ec147a, a sufficient number of classes for each student to present one paper (usually three classes each lasting one term).

**Written Work:** See classes above.

**Reading List:** Here is the basic list: M. Bornstein, *Comparative Economic Systems, Models and Cases*; R. L. Carson, *Comparative Economic Systems*; A. Nove, *The Soviet Economic System*; B. Ward, *The Socialist Economy*. A very much longer list of optional readings is circulated.

**Examination Arrangements:** The normal three-hour, four questions out of thirteen, exam.

**Note:** It is fair to expect that subjects lectured on will have questions in the examination. There will always be at least two questions on: the Soviet state sector; the Yugoslav socialist sector; collective farms and communes; peasants; convergence and the managerial revolution. Of these five subjects students are advised to read up only four. The particular questions may be about enterprise behaviour, labour behaviour, income distribution, resource allocation, inflation, etc. There will also be miscellaneous other questions.

### Ec1500

#### Problems of Applied Economics

**Teacher Responsible:** Dr. F. van der Ploeg, Room S584  
Course Intended Primarily for B.Sc. (Econ.) Part II, special subjects Economics, Analytical and Descriptive; Monetary Economics; Industry and Trade; International Trade and Development; Economic Institutions and Planning; and Diploma in Economics.

**Scope:** The aim of the course is to demonstrate the application of economic principles to a selection of current issues.

**Syllabus:** The course is a synthesis of both theoretical and empirical analysis and is in two parts.

#### 1. Macroeconomics (12 lectures)

I. Causes of unemployment: (a) trade unions, benefits and unemployment, (b) involuntary unemployment.

II. Monetary disinflation in an open economy: (a) price-expectations augmented Phillips-curve, (b) critical discussion of the New Classical Macroeconomics, (c) real exchange rate overshooting in a small open economy, (d) the Thatcher experiment and the U.K. economy.

III. North Sea oil – A blessing or a curse?: (a) efficient depletion of exhaustible resources (Hotelling), (b) neo-classical analysis of de-industrialisation, (c) learning-by-doing and Keynesian critique, (d) overshooting explanations of the "Dutch Disease".

IV. Political economy: (a) Marxian crisis theory, (b) government ideology and re-election efforts in the political business cycle.

#### 2. Microeconomics (10 lectures)

I. Poverty: (a) problems of defining and measuring poverty, (b) the usefulness of concepts of relative as against absolute deprivation.

II. Famines: (a) the theory of exchange entitlements as a theory of famines and (b) as a theory of poverty and income distribution.

III. Other topics to be decided.

**Pre-Requisites:** A knowledge of economic principles of second-year standard and a knowledge of economic statistics and techniques.

**Teaching Arrangements:** There are two parts to the lecture course (Ec112): Ten lectures in the Michaelmas Term and twelve lectures in the Lent/Summer Terms. There are weekly classes throughout the year (Ec112a).

**Reading List:** There is no textbook covering the entire course and the reading consists mainly of articles and sections of books assigned for each topic. Essential preliminary reading for macroeconomics are R. Dornbusch and S. Fischer, *Macroeconomics*, chapters 1–19 and R. Jackman, C. Mulvey and J. Trevithick, *The Economics of Inflation*, chapters 3, 4, 5 and 9. During the course, D. Demery et al., *Macroeconomics*, the articles in C. Greenhalgh, R. Layard and A. Oswald, *Causes of Unemployment* and S. M. Sheffrin, *Rational Expectations*, chapters 1, 2 and 6 provide useful material. More detailed literature will be provided in a separate reading list. For microeconomics the provisional reading list includes A. B. Atkinson, *The Economics of Inequality* and A. K. Sen, *Poverty and Famines*, although additional reading will be provided during the course.

**Examination Arrangements:** There is a three-hour examination covering the entire course. Students are expected to answer four questions.

### Ec1506

#### Advanced Economic Analysis

**Teacher Responsible:** Dr. J. Moore, Room S680

Course Intended Primarily for B.Sc. (Econ.) 3rd year.

**Scope:** A series of lectures introducing recent developments in economic theory which have fundamentally changed our understanding of macroeconomic fluctuations and related issues.

**Syllabus:**

I. The Neoclassical Synthesis, and The Reappraisal of Keynes. Price versus Quantity Adjustment, Comparative Policy Effectiveness.

II. Labour Market Adjustment: unions, contracts, contracts with limited information, ability screening, work incentives, search, bargaining, and other topics.

III. Rational expectations in macroeconomics.

IV. Further topics in rational expectations theory.

V. An Introduction to Capital Theory.

**Pre-Requisites:** Economic Principles, Basic Mathematics for Economists, Introductions to Econometrics and Economic Statistics.

**Teaching Arrangements:** There is a single lecture course, Ec131. There will be two lectures a week in the Michaelmas Term; the first fifteen are by Dr. J. Moore and cover topics I and II. The remaining five, by Dr. C. Dougherty, deal with topic V. There will be one lecture a week in the Lent Term on topics III and IV. There will be one class (Ec131a) each week throughout the first two terms.

**Reading:** There is no suitable textbook. Instead, the course is built round a small number of readings, mostly articles. These will be made available in lectures. Useful discussion, and lists of reference can be found in ch. 7 of P. J. N. Sinclair, *The Foundations of*

*Macroeconomic and Monetary Theory* (1984); Chs. 2 and 3 of S. M. Sheffrin *Rational Expectations* (1983); Chs. 1–3, 7 and 8 of C. R. S. Dougherty *Interest and Profit*.

**Examination Arrangements:** There is a single three-hour examination in the Summer Term. The paper is undivided and students are required to answer four questions from about twelve.

### Ec1507

#### Public Finance

**Teacher Responsible:** Professor A. B. Atkinson, Room R407

Course Intended Primarily for B.Sc. (Econ.) 3rd year.  
**Scope:** A course on theoretical and applied public finance.

**Syllabus:** The role of the state and implications of different approaches. Design of taxation and expenditure policies. Working of the system in practice. Analysis of the allocative and distributional effects of taxes and spending.

A number of current issues will be discussed: effect of taxes on labour supply, the tax treatment of husband and wife, income versus expenditure taxation, corporation tax reform, design of social security, and the state role in providing health. The main institutional references will be to the U.K. but some attention will also be given to other countries, especially the U.S.A.  
**Pre-Requisites:** Knowledge up to second year economic principles level.

**Teaching Arrangements:**

Lectures: Ec137 **The Economics of Public Finance** (Professor Atkinson) 20 lectures Michaelmas and Lent Terms.

Ec138 **Current Issues in Public Finance** (Dr. N. Barr), 5 lectures, Michaelmas Term.

Classes: Ec137(a) 20 classes, Michaelmas/Lent Terms involving written work.

**Reading List:** J. A. Kay & M. A. King, *The British Tax System* (3rd edn.); A. R. Prest & N. A. Barr, *Public Finance in Theory and Practice* (6th edn.); R. A. Musgrave & P. B. Musgrave, *Public Finance in Theory and Practice* (4th edn.); C. V. Brown and P. M. Jackson, *Public Sector Economics*; A. B. Atkinson & J. E. Stiglitz, *Lectures in Public Economics*.

**Examination Arrangements:** One 3 hour paper.

### Ec1513

#### Principles of Monetary Economics

**Teacher Responsible:** R. A. Jackman, Room S376

Course Intended Primarily for B.Sc. (Econ.) 3rd year, special subject Monetary Economics; also available to other 3rd year B.Sc. (Econ.) students and for the Diploma in Economics.

**Scope:** The course provides an introduction to monetary theory, to the effects of monetary variables on the macroeconomic system and to the theory of balance of payments adjustment.

**Syllabus:** Monetary Theory: the nature and function of money. The banking system and financial intermediation. Classical monetary theory and the Keynesian revolution. Modern theories of the demand for money. The control of the money supply, the

transmission mechanism of monetary policy and the impact of money on economic activity. The monetarist counter-revolution: neutrality, inflation and rational expectations. The theory of monetary policy. International Monetary Theory: the concept of the balance of payments. The monetary approach, and the balance of payments adjustment under fixed and flexible exchange rates. International capital mobility and stabilisation policy.

**Pre-Requisites:** Students are expected to be familiar with intermediate economic theory. (For example, in macroeconomics, they should be familiar with a text at the level of R. Dornbusch & S. Fischer, *Macroeconomics*.) A knowledge of elementary mathematical techniques used in economics is also expected.

**Teaching Arrangements:** Ec139, 30 Michaelmas and Lent Terms.

Additionally there are 18 classes (Ec139a), starting in the sixth week of the Michaelmas Term, continuing up to the third week of the Summer Term.

**Written Work:** Students should expect to write three essays during the course, to be handed in to, and marked by, their class teacher. Setting essay topics is the responsibility of class teachers, although a list of suggested topics will be distributed in the lectures. Exercises may also be set. Students may write additional essays for their tutors.

**Reading List: Monetary Theory:** The only comprehensive textbook for the course is: C. A. E. Goodhart, *Money, Information and Uncertainty*. However, this book is quite difficult in places, and students may find it more helpful to study D. Laidler, *The Demand for Money* (2nd edn.) and M. J. Artis & M. K. Lewis, *Monetary Control in the United Kingdom*.

The following may also be helpful, particularly for General Course students: D. Wrightman, *An Introduction to Monetary Theory and Policy* (2nd edn.).

**International Monetary Theory:** R. Dornbusch, *Open Economy Macroeconomics*; R. Mundell, *International Economics*.

**Examination Arrangements:** There will be one three-hour written paper. In the past the paper has contained fourteen questions of which four are to be attempted.

### Ec1514

#### Monetary Systems

**Teacher Responsible:** Mr. R. F. G. Alford, Room S378  
Course Intended Primarily for B.Sc. (Econ.) Part II and Dip. Econ.

**Scope:** Most of the course is concerned with the British monetary system: the development and current role of the main groups of banks and money markets; bank behaviour, banking problems and bank supervision; British monetary policy, its problems and development over recent years and its future prospects. Some attention will be given to international monetary experience and the role of international monetary institutions.

**Pre-Requisites:** This is a third year course for students taking the B.Sc. (Econ.) and they will have taken the

second year economics course **Economic Principles or Principles of Economics Treated Mathematically**. Other students should have taken two years of economics at university level.

**Teaching Arrangements:**

Lectures: Ec141 **The British Monetary System**, (20 lectures, Mr. Alford, Michaelmas Term)  
Classes Ec141(a) (15 classes, Mr. Alford, Michaelmas and Lent Terms.)

Ec142 **Monetary Systems Seminar** 10 seminars of 1½ hours duration, Michaelmas and Lent Terms.

**Written Work:** Written work will consist of class papers which will be set by the class teacher.

**Reading List:** suitable preliminary reading would be: K. Wilson, *British Financial Institutions*; A. R. Prest & D. J. Coppock (Eds.), *The UK Economy*, latest edn., chapter 2 excl. Section 4.

A more detailed reading list will be given out during the course.

**Examination Arrangements:** There is a three-hour examination in the Summer Term. The paper normally contains about 14 questions, and candidates have to answer four questions.

### Ec1520

#### International Economics

**Teacher Responsible:** Mr. Max Steuer, Room S183  
**Course Intended Primarily for** B.Sc. (Econ.) Part II: Dip. Econ.

**Scope:** The aim of this course is to introduce the student to international trade theory and international monetary economics.

**Syllabus:**

*International Trade Theory:* This part of the course strives to explain the pattern of trade observed in the world and to account for the prices at which goods are traded. Positive and normative aspects of international markets are examined. Use is made of the theory of comparative advantage and of rival theories of international trade. Relations between trade and domestic markets for both goods and factors are examined in terms of the theory of trade according to factor endowments.

The course studies the effect of tariffs on international trade, and also other means of influencing the international flow of goods. Among the other means are quotas, subsidies and agreements between governments. Concepts such as the optimum tariff and the effective rate of protection are examined. Economic integration between countries is studied, particularly the effects of customs unions.

Commodity schemes are examined from the point of view of stabilization of price and output, and as means of generating revenue. The role of direct foreign investment in international transactions is examined. Particular attention is paid to the effects of multinational firms on host countries.

A variety of other topics are discussed including the economics of illegal transactions in international trade, especially smuggling. And attention is given to such puzzles as intra-industry trade where countries appear to be exporting and importing the same product.

*International Monetary Economics:* Balance-of-

Payments Definitions: Discusses the components as well as overall measures of the balance-of-payments.

Adjustment Theory: The question of the existence of an automatic mechanism in the international economy which brings about balance-of-payments equilibrium for each of the constituent economies is treated under this heading. Obstacles to the smooth functioning of such a mechanism are also considered.

Devaluation: The conditions under which a devaluation will improve the balance-of-payments and the effect of such a policy on the various macroeconomic variables are discussed.

Flexible Exchange Rates: The determination of exchange rates, the theoretical arguments for and against flexible exchange rates in comparison with fixed rates, and the practical success of flexible exchange rates over the period of floating are the issues dealt with under this topic.

Stabilization Policy: Here the efficacy of fiscal and monetary policies in determining levels of income and employment under both fixed and flexible exchange rates is discussed.

The International Monetary System: This section covers the history and development of the international monetary system since the Second World War.

**Pre-Requisites:** Students are assumed to have taken the equivalent of the undergraduate course **Economic Principles**. The lectures involve little mathematics, although use is made of geometry.

**Teaching Arrangements:** Lectures: Ec145

**International Economics.** One hour a week during the Michaelmas and Lent Terms for a total of twenty hours.

Classes: Ec145a, one hour a week, beginning approximately in the second week of the Michaelmas Term and continuing until just after the beginning of the Summer Term for a total of twenty hours. Ec145b, six hours of revision classes given during the Summer Term by the lecturers.

**Reading List:** There are a number of text books which are suitable. A selection is: B. Sodersten, *International Economics*, Macmillan, 1980; R. E. Caves & R. W. Jones, *World Trade and Payments* (3rd edn.), Little Brown, 1981; C. P. Kindleberger & C. M. Lindhert, *International Economics* (7th edn.), Irwin, 1982; R. H. Heller, *International Trade: Theory and Empirical Evidence* (2nd edn.), Prentice-Hall, 1983; H. G. Johnson, *International Trade and Economic Growth*, Harvard, 1961; W. M. Corden, *The Theory of Protection*, Oxford, 1971; H. G. Grubel, *International Economics*, Irwin, 1977; B. Hindley, *Theory of International Trade*, Weidenfeld & Nicolson, 1974; A.E.A., edited by R. E. Caves & H. G. Johnson, *Readings in International Economics*, Allen & Unwin, 1968. Other readings will be given during the course.

### Ec1521

#### Economic Development

**Teacher Responsible:** Professor H. Myint and Professor N. Stern

**Course Intended Primarily for** B.Sc. (Econ.), Diploma in Economics.

**Scope:** The aim of the course is to give a general analytical introduction to the economics of the

underdeveloped countries and their problems of economic development.

**Syllabus:**

(1) Concepts and theories concerning the nature of underdevelopment and development; statistical background relating to the broad patterns of economic growth and changes in economic structure; savings and capital output ratios; aggregate production functions; and income distribution.

(2) Problems of domestic economic organisation; characteristics of factor and product markets; economic dualism; problems of production; marketing and technological change in the agricultural sector.

(3) External aspects of economic development: the relationship between international trade theory and the practical external economic problems of the less developed countries; protection and domestic industrialisation; export problems of primary products and manufactures; problems of foreign investment; international aid and the reform of the international economic order.

**Pre-Requisites:** A 3rd year Course. Students must have completed the course on **Economic Principles** or possess equivalent knowledge of modern economic analysis.

**Teaching Arrangements:** Ec146. 20 lectures Michaelmas and Lent Terms, 20 classes (Ec146a) Michaelmas and 5 revision classes (Ec146b) Summer Term.

**Reading List:** No one book covers the entire syllabus. Students may use a brief introduction by H. Myint, *The Economics of Developing Countries*, Hutchinson, 1980, in conjunction with either of the following larger books: I. M. D. Little, *Economic Development Theory, Policy and International Relations*, A Twentieth Century Book, 1982; G. M. Meier, *Leading Issues in Economic Development*, Oxford University Press, 1976; M. P. Todaro, *Economic Development in the Third World* (2nd edn.), Longmans, 1982.

They should also consult the annual *World Development Reports* of the World Bank.

In addition, a longer reading list will be provided with essay topics for the classes.

**Examination Arrangements:** There will be a three-hour formal examination in the Summer Term, based on the full syllabus of the lectures and tutorial classes. Students will normally be required to answer four questions out of a wide range of topics.

### Ec1527

#### Planning

**Teacher Responsible:** Dr. S. Estrin, Room S581  
**Course Intended Primarily for** Final Year B.Sc. (Econ.) and Diploma in Economics.

**Scope:** The course covers the institutions, theory, techniques and actual practice of central planning, indicative planning, and development planning.

**Syllabus:** In any one year, the course will cover a selection from: The history of ideas and practice of macroeconomic planning. The aims, institutions and instruments of command-type and indicative planning. Mathematical methods of plan preparation at the enterprise and national levels. The role of bargaining. Implementation problems. Planning under market

socialism: the theory and experiments. Derivation and use of shadow prices in development planning and project appraisal. Reference will be made to the planning experience of the USSR, Hungary, Yugoslavia, China, France and India.

**Pre-Requisites:** The course is self-contained. Students find it helpful however to have the equivalent of an A level in Mathematics or have completed an introductory course in that subject at university.

**Teaching Arrangements:** These are two lectures (Ec148) weekly in the Michaelmas and Lent Terms. Accompanying the lectures is a set of classes (Ec148a) which are intended for further discussion of the issues raised in the lectures and to delve in greater depth into the planning experiences of particular countries.

**Written Work:** There will be common weekly or bi-weekly problem sets or essay-type questions. These will be marked and discussed by the class teacher.

**Reading List:** G. M. Hoal, *Theory of Economic Planning*; M. Cave & P. Hare, *Alternative Approaches to Economic Planning*; S. Estrin & P. M. Holmes, *French Planning in Theory and Practice*; A. Nove & D. M. Nuti (Eds.), *Socialist Economics*; P. Wiles, *The Political Economy of Communism*; M. Ellman, *Soviet Planning Today*; C. Blitzer et al., *Economy Wide Models and Development Planning*; I. Little & J. Mirrlees, *Project Appraisal and Planning for Developing Economies*.

**Examination Arrangements:** This course is examined by a three hour formal examination paper in the Summer Term. Students are expected to answer four questions.

### Ec1540

#### History of Economic Thought

**Teacher Responsible:** Dr. M. Perlman, Room S675  
**Course Intended Primarily for** B.Sc. (Economics) and Diploma in Economics.

**Scope:** The aim of the course is to examine the theoretical development in some of the major problems confronting economists over the past two hundred years or so.

**Syllabus:** How the problem of 'value' has been approached and 'resolved' over the past two hundred years or so; theories of wages, profits and rent and their interaction with the problem of value; international values - from absolute advantage to reciprocal demand; the development of monetary and interest rate theories and how monetary factors interact with the real economy.

**Pre-Requisites:** This is a third year subject and the student must have completed the course on **Economic Principles**, or have equivalent knowledge of modern economic analysis.

**Teaching Arrangements:** Ec130. 20 lectures Michaelmas and Lent Terms and 20 classes (Ec130a) Michaelmas and Lent Terms and 5 revision classes Summer Term.

The lectures will give a broad survey of the History of Economic Thought from the eighteenth to the late nineteenth century. The classes will concentrate on a reading of the texts of major classical writers, particularly Hume, Adam Smith, Ricardo, Mill and some of the neo-classical economists.

**Reading List:** Apart from the selected original texts, the following general histories may be consulted: D. P. O'Brien, *The Classical Economists*, Oxford University Press; P. Deane, *The Evolution of Economic Ideas*, Cambridge University Press; J. Viner, *Studies in the Theory of International Trade*; L. Robbins, *The Theory of Economic Policy in English Classical Political Economy*; T. W. Hutchinson, *Review of Economic Doctrines*; J. J. Spengler & W. R. Allen (Eds.), *Essays in Economic Theory*; G. Stigler, *Production and Distribution Theories*.

**Examination Arrangements:** There will be a three-hour formal examination in the Summer Term based on the full syllabus covered by the lectures and classes. Students are required to answer four questions out of a wide range of choices covering the syllabus.

### Ec1541

#### Selected Topics in the Economics of Industry and Trade

**Teacher Responsible:** Dr. C. M. E. Whitehead Room S579

**Course Intended Primarily for** B.Sc. (Econ.) Part II, Industry and Trade group.

**Scope and Syllabus:** The topics selected differ from one year to another. Topics in recent years have included: cartel behaviour; franchising; futures trading; nationalised industries; privatisation; multi-national enterprises; transfer pricing; fisheries; monopoly, competition and product variety and quality; research and development; licensing of economic activities; industrial policy. New topics are introduced each year.

**Pre-Requisites:** Students should have completed the **Economics of Industry** (or equivalent course in the case of General Course students).

**Teaching Arrangements:** There is one lecture course and an accompanying set of classes. Lectures: Ec133, (24 lectures, Michaelmas, Lent and Summer Terms). Classes: Ec133a, (12 fortnightly, Michaelmas, Lent and Summer Terms).

**Selected Topics in the Economics of Industry and Trade**, 25 lectures, Sessional. D. de Meza, C. Whitehead, B. S. Yamey, J. R. Gould, S. Estrin.

Students are expected to write four essays during the year, and contribute to the class discussion.

**Reading List:** There is no textbook suitable for the course. Detailed suggestions for reading will be given in the lectures at the beginning of each topic.

**Examination Arrangements:** There is a three-hour formal examination in the Summer Term. Candidates select four questions from at least eight. All questions carry equal marks.

### Ec1542

### Ec2428

#### Economics of Investment and Finance Theory of Optimal Decisions (See also Study Guide Ec1453)

**Teacher Responsible:** Professor L. P. Foldes, Room S182

**Course Intended Primarily for** B.Sc. (Econ.) Part II; B.Sc. Course unit 2nd and 3rd year; M.Sc. final year.

**Teaching Arrangements and Examinations:** A single course of lectures and classes, called Ec135 **Economics of Investment and Finance**, may be taken for two distinct examinations, namely **Economics of Investment and Finance** at the B.Sc. and **Theory of Optimal Decisions** at the M.Sc. The B.Sc. examination usually takes place some weeks earlier, so that B.Sc. students usually leave the course early in the Summer Term whereas M.Sc. students follow the course to the end. Otherwise the syllabus is the same. In each case the examination is a single three-hour paper, though in the past the B.Sc. paper has called for answers to four questions whereas the M.Sc. paper has called for three, with plenty of choice in each case. Answers are usually required in the form of essays but in some cases these involve mathematics. Details vary from year to year and are subject to change at the discretion of the examiners.

**Lectures and Classes:** Lucien Foldes, Sessional; three hours each week (Ec135) including a class (Ec135a). **Scope:** An introduction to problems of risk in investment. The emphasis of the course is on probabilistic methods in both theory and applications.

**Syllabus:** 1. *General Syllabus:* A selection from the following topics: Formulation of problems of intertemporal choice and concepts of income, capital and interest. Optimal policies for accumulation, depletion and replacement of assets. Appraisal and control of projects. Treatment of risk in the theory of value and capital. Spot and forward markets, sure and contingent contracts. Selection of risk assets, including risk pooling, diversification and insurance. Portfolio selection and pricing in the case of quoted securities. Speculative prices as random processes. The cost of corporate capital, including the effects of dividend policy, gearing, taxation and inflation. Comparison between private and public investment appraisal. 2. *Possible Topics for 1985-86:* Optimal policies for accumulation and depletion in conditions of risk. Portfolio selection and pricing of quoted securities: single-period and multi-period models. Concepts of equilibrium and efficiency for security markets. Speculative prices as random processes. Treatment of risk in the theory of value and capital. Contingent contracts. Appraisal of large capital projects in conditions of risk - choice of criteria and methods of calculation. Exploration for mineral deposits. Cost of capital. Sequences of projects and gambler's ruin. Risk pooling, insurance, diversification. Properties of special utility functions and probability distributions used in investment appraisal.

**Pre-Requisites:** This course was designed to follow Ec134, **Theory of Business Decision**. In the case of B.Sc. (Econ) students specialising in Industry and Trade, attendance at lectures and classes in Ec134 in the second year is a formal pre-requisite although students are not required to have taken the examination. Other categories of students should have a background in such topics as expected utility, probability, information purchased and investment standard of Ec134, and naturally the pre-requisites for that course apply to this one also (see Study Guide Ec1453). Sometimes students who have not previously covered the material of Ec134 manage by attending

parts of the lecture course for Ec134 while studying Ec135, but this involves additional work for a course which is in any case demanding. The lectures for Ec135 have substantial mathematical content, and although all special techniques are explained as part of the course a reasonable degree of familiarity with elementary calculus, set theory and probability is necessary.

**Written and Class Work:** Students may be asked to report on literature in class. They are encouraged to write a number of short essays in preparation for the examinations. In the case of M.Sc. students choosing Theory of Optimal Decisions as their special subject, the course teachers will normally also act as Tutor.

**Reading List:** The course does not follow any single text, but it is useful to read relevant chapters of a standard work to complement the lectures. The first two items on the list below are suitable; most students will prefer the first. The third item is a more elementary text which is useful as an introduction to the subject. The other items are works to which reference may be made during the course or which are suitable as further reading for students wishing to pursue particular topics in depth. Further journal articles will be selected for discussion as the course proceeds.

T. E. Copeland & J. F. Weston, *Financial Theory and Corporate Policy*, Addison-Wesley; E. Fama, *Foundations of Finance*, Blackwell; M. Bromwich, *The Economics of Capital Budgeting*, Penguin; J. Hirshleifer, *Investment Interest and Capital*, or articles in *JPE*, 1959 and *QJE*, November 1965 and May 1966; L. E. Bussey, *The Economic Analysis of Industrial Projects*, especially chapters 11-12; K. J. Arrow & R. C. Lind, 'Uncertainty and the Evaluation of Public Investment Decisions' (*AER*, June 1970); also Foldes & Rees, 'Note', *AER*, March 1977; M. Allais, 'Method of Appraising Economic Prospects of Mining Exploration over Large Territories - Algerian Sahara Case Study' (*Management Science*, July 1957); (French original in *Revue d'Industrie Minerale*, Special Issue *IR*, January 1956. The original and a corrected version of the published translation are in the library. L. P. Foldes, 'Martingale Conditions for Optimal Saving - Discrete Time' (*Journal of Mathematical Economics*, 1978); W. F. Sharpe, *Portfolio Theory and Capital Markets or Investment*; J. Mossin, *Theory of Financial Markets*; P. Dasgupta & G. M. Heal, *Economic Theory and Exhaustible Resources*; P. Masse, *Optimal Investment Decisions*; J. J. Clark, T. J. Hindeland & R. E. Pritchard, *Capital Budgeting: Planning and Control of Capital Expenditure*; C. W. J. Granger, *Empirical Studies of Capital Markets: A Survey* in Szegö-Shell, *Mathematical Methods in Investment and Finance*, 1972; C. W. J. Granger & O. Morgenstern, *Predictability of Stock Market Prices*, Heath-Lexington; D. B. Hertz & H. Thomas, *Risk Analysis and its Applications* (Wiley, 1983).

### Ec1543

#### Economics of the Welfare State

**Teacher Responsible:** Dr. N. A. Barr, Room S578  
**Course Intended Primarily for** B.Sc. (Econ) Part II 2nd or 3rd year;

I Economics Analytical and Descriptive 5 & 6 (1)  
II Mathematical Economics and Econometrics 7 (1)

III Monetary Economics 6 (j)

IV Industry and Trade 6 & 7 (o)

V International Trade Development 7 (t)

VI Economic Institutions and Planning 6

**Scope:** The course uses standard intermediate micro-economic theory to analyse the welfare state; what are its objectives; should it exist and if so in what form; how efficient and equitable are existing institutions; what possibilities exist for reform?

**Syllabus:** The course investigates economic aspects of the welfare state, interpreted broadly to include social insurance, retirement pensions, non-contributory benefits, health care, education and housing. The objectives of the welfare state are discussed, followed by analysis of instruments at the state's disposal for achieving those objectives. The focus of the course is on the underlying economic principles; institutions are not emphasised though, where appropriate, reference will be made to those of the U.K. and other countries, especially the United States.

**Pre-Requisites:** **Economic Principles** (Ec111) or an equivalent course in intermediate microeconomic theory.

**Teaching Arrangements:** There is one lecture course and an accompanying set of classes. Lectures: Ec144 **The Economics of the Welfare State**, 24 lectures (10 Michaelmas Term, 10 Lent Term, 4 Summer Term). Classes: Ec144(a) 23 Sessional.

Ec144 The lectures cover the whole of the syllabus described above. The first twelve lectures (Dr. N. A. Barr, S578) set out the theoretical approach and analyse the cash side of the welfare state; the last twelve (Dr. J. Le Grand, R405) analyse health care, education and housing. There is no single textbook; a course outline and reading list is distributed at the start of the course referring to the readings below.

Ec144(a) There are 23 classes, which are used to amplify the lectures, to deal with any questions arising from them and to discuss specific issues not covered in detail by the lectures.

**Written Work:** The class teachers will normally set and mark not fewer than four pieces of written work from each student during the course.

**Reading List:** There is no textbook; reference will be made, *inter alia*, to the following: A. J. Culyer, *The Political Economy of Social Policy*, Martin Robertson, 1980; A. R. Prest & N. A. Barr, *Public Finance in Theory and Practice*, Weidenfeld & Nicolson, 1985; L. D. McClements, *The Economics of Social Security*, Heinemann, 1978; J. G. Cullis & P. A. West, *The Economics of Health*, Martin Robertson, 1979; M. Blaug, *An Introduction to the Economics of Education*, Penguin, 1970; R. V. F. Robinson, *Housing Economics and Public Policy*, Macmillan, 1979.

**Examination Arrangements:** There is a three hour formal examination in the Summer Term based on the full syllabus. Students are required to answer four questions out of about ten. The assessment for the course is based entirely on the examination result.



econometric models currently in use in microeconomics and macroeconomics with a view to tackling economic problems.

**Syllabus:** This course comprises four sets of ten lectures (Ec117-120) each on: (i) **Microfoundations of Macroeconomics** (Dr. J. H. Moore); (ii) **Econometrics of Individual Behaviour** (Mr. S. E. Pudney); (iii) **Cost Benefit Analysis** (Dr. S. Glaister); (iv) **Econometric Topics in Macroeconomics** (Mr. J. J. Thomas). Students are expected to take at least three out of these four topics. The examination is a written paper which is designed to test students' ability to answer questions arising from at least three out of four topics (usually four questions from any three sections).

There are twenty classes in the course giving five classes on each topic which will be taught during 1985-86 by the lecturers.

**Teaching Arrangements:** Michaelmas and Lent Terms, 40 lectures and 20 classes.

**Microfoundation of Macroeconomics:** These lectures deal with certain recent developments in business cycle theory. The particular focus is on general equilibrium models in which agents have less than full information. Rational expectations models and contract models are examined in some detail, then compared and contrasted.

**Reading List:** The course is centred on a number of key articles, the details of which will be given in lectures. Useful background material can be found in chapters 1, 2 and 3 of S. M. Sheffrin, *Rational Expectations* (1983).

**Econometrics of Individual Behaviour:** The need to combine sound economic theory with appropriate statistical techniques is central to the practice of econometrics. Topics will be taken from available examples in the published literature to illustrate this. Topics will include Demand Analysis and Labour Market Behaviour. These lectures are intended as an introduction to the econometric techniques (such as Logit, Probit and Tobit analysis) which are particularly useful in microeconomics.

**Reading List:** M. Desai, *Applied Econometrics*, Philip Allan, 1976. Additional reading list will be provided with the lecture course.

**Cost Benefit Analysis:** This course will outline the theoretical foundations of applied welfare economics and deal with case studies of actual application of CBA in areas such as valuation of time and life, choice of transport modes, project appraisal.

**Reading List:** R. Layard, *Cost Benefit Analysis*, Penguin.

**Econometric Topics in Macroeconomics:** This course will deal with the manner in which macroeconomic theory has thrown up themes for economic testing. Topics such as inflation, unemployment, monetarist models, rational expectations and the natural rate hypotheses will be treated.

**Reading List:** M. Desai, *Testing Monetarism*; R. Jackman, A. Trevithick & C. Mulvey, *The Economics of Inflation*.

**Examination Arrangements:** Three hour written paper which will cover all four sections of the course and students are expected to answer three out of four questions.

## Ec2402

**Macroeconomics I**

**Teacher Responsible:** Dr. C. R. Bean, Room S480

**Course Intended Primarily for** final year M.Sc. Econ. **Scope:** The aim of the course is to give a wide-ranging survey of modern macroeconomics. While the course will require the use of mathematical methods, the overall presentation will be less technical than **Macroeconomics II**. The course will cover many of the same topics as **Macroeconomics II** but in less depth and less prior knowledge will be assumed.

**Pre-Requisites:** Undergraduate economics major or equivalent. A knowledge of differential calculus will also be assumed.

**Syllabus:** The course will cover the following topics: **Static Aggregate Demand and Supply:** an overview of the Keynesian and Classical models and a discussion of the role of fiscal and monetary policy;

**Stock-flow dynamics:** implications of the introduction of the government budget constraint and asset accumulation for the efficacy of fiscal and monetary policy;

**Disequilibrium Macroeconomics:** fixed price models and the effects of rationing;

**New Classical Macroeconomics:** the equilibrium approach to business cycles stressing the role of imperfect information, the 'policy ineffectiveness' proposition, and empirical tests thereof;

**Macroeconomics in the open economy:** fiscal and monetary policy under fixed and flexible exchange rates and the implications of capital mobility including 'overshooting' models of exchange rate behaviour;

**Consumption:** the life-cycle permanent-income model, including empirical testing, and the effects of social security;

**Investment:** flexible accelerator, neo-classical and 'q' models;

**Financial markets:** inventory theoretic and portfolio approaches to the demand for money;

**Labour Markets:** models of the Phillips curve and implicit contract models.

**Teaching Arrangements:** The basic course consists of 40 hours of lectures (Ec214) in the Michaelmas and Lent Terms. There will be 24 weekly one hour classes (Ec214a) in small groups.

**Written Work:** Exercises are set for each class, although only four of these will be taken in and marked.

**Reading List:** There are no texts which cover the material of the course. W. H. Branson, *Macroeconomic Theory and Policy* is useful for parts of the course, but the general level is rather more advanced. D. K. H. Begg, *The Rational Expectations Revolution in Macroeconomics* and S. M. Sheffrin *Rational Expectations* are also useful. The primary source of reading is published articles, however, and a full list will be available at the start of the course.

**Examination Arrangements:** A three hour exam. A quarter of the marks are given for five (out of six) short questions, and the remainder for three (out of nine) long questions. The exam will cover both terms' material.

## Ec2403

**Macroeconomics II**

**Teachers Responsible:** Dr. C. Pissarides

**Course Intended Primarily for** M.Sc. Final year Economics. While open to any M.Sc. student, the course caters primarily for those who already have a good background in macroeconomics and plan to do post-M.Sc. research in the subject. It assumes a working knowledge of the mathematical techniques commonly used in modern macroeconomics.

**Scope:** The course does not aim to be as comprehensive in its coverage as Ec2402 (**Macroeconomics I**). Rather fewer topics will be covered at greater length with more rigour and in greater depth.

**Syllabus:** Among the topics included are: a more advanced treatment of aggregate demand and aggregate supply including disequilibrium macroeconomics; microfoundations of macroeconomics such as applications of efficient markets theory to consumption and investment; contract theory, search theory and the implications of imperfect and asymmetric information for labour markets and credit markets; liquidity constraints, credit rationing and other capital market imperfections; overlapping generations models and their applications to monetary and fiscal theory and policy; dynamic rational expectations models and the modern theory of economic policy, including rules vs. discretion, time inconsistency, etc.

**Teaching Arrangements:** Ec215 40 Michaelmas and Lent 24 classes.

**Written Work:** Two pieces of written work are set each term.

**Examination Arrangements:** A three hour exam. A quarter of the marks are given for five (out of six) short questions, and the remainder for three (out of nine) long questions. The exam will cover both terms' material.

## Ec2404

**Microeconomics I**

**Teacher Responsible:** Dr. S. Glaister, Room S277

**Course Intended Primarily for** Final year M.Sc. Economics.

**Scope:** The aim of the course is to develop the basic tools for analysing problems of resource allocation used by economists working in research, government and business. The course deals with positive and normative problems. It aims to include modern developments without being overly mathematical, and to develop a capacity to apply economic concepts to real-world problems. The coverage of this course is not as wide as **Microeconomics II** and the technical requirements are lower. The depth of the analysis is, however, at an equivalent level.

**Pre-Requisites:** Undergraduate economics major or equivalent. A knowledge of multivariate calculus is assumed.

**Syllabus:** There are four broad headings. *Consumer Theory:* as well as the standard material this will include such topics as labour supply and incentives, first and second best, efficient pricing policy, intertemporal allocation, uncertainty. *The Competitive*

*Firm:* as well as standard material this will cover the objectives of the firm, cost and profit functions, uncertainty, investment. *Imperfect Competition:* this will include monopoly, oligopoly, product differentiation, imperfect information, and a range of applications. *General Equilibrium, Trade and Welfare:* the two sector model of general equilibrium, the Heckscher-Ohlin paradigm, monopolistic competition and international trade. Since this is a new course, the fine details are not yet settled and other topic may be included. Students will be given the opportunity to express their view concerning course content.

**Teaching Arrangements:** The basic course consists of 40 hours of lectures (Ec212) in the Michaelmas and Lent Terms. There will be 24 weekly 1-hour classes (Ec212a) in smallish groups.

**Written Work:** Exercises are set for each class but only 3 of these will be taken in and marked.

**Reading List:** The course will draw on a variety of texts, the main ones being: H. R. Varian, *Microeconomic Analysis* (2nd edn.), Norton; P. R. G. Layard & A. A. Walters, *Microeconomic Theory*, McGraw-Hill; H. Gravelle & R. Rees, *Microeconomics*, Longman; A. B. Atkinson & J. E. Stiglitz, *Lectures in Public Economics*, McGraw-Hill; A. Deaton & J. Muellbauer, *Economics and Consumer Behaviour*, Cambridge University Press.

More detailed readings will be given at the beginning of the course and some notes will be provided where text book coverage is inadequate.

**Examination Arrangements:** A 3-hour exam. Half the marks given for 10 short compulsory questions, and half for 2 other questions (chosen from about 6). The exam will be drawn roughly equally from both terms' material.

## Ec2405

**Microeconomics II**

**Teachers Responsible:** Professor A. B. Atkinson (Coordinator), Room R407 (Secretary, Ms. Jane Dickson, R411). Professor M. Morishima, Room R410 (Secretary Ms. D. Clark, R411)

**Course Intended Primarily for** Final year M.Sc.

**Scope:** The aim of the course is to provide a firm grounding in micro-economic theory. It will emphasise those areas which are of particular value in fields such as labour economics, public economics, international trade and the theory of development. It will also seek to identify areas where the present theoretical treatment is unsatisfactory and new approaches are needed.

**Syllabus:** The first part of the course (taught by Professor Atkinson) will deal with the micro-economics of the household (including consumption and labour supply) and of the firm. The second part of the course (taught by Professor Morishima) will deal with general equilibrium theory, stability and dynamics, and welfare economics.

**Pre-Requisites:** Good undergraduate knowledge of economic theory. Calculus required.

**Teaching Arrangements:** The basic course consists of 20 two-hour lectures (Ec213) and 20 one-hour classes (Ec213a) in small groups.

**Written Work:** Exercises are set for each class, of which 3 will be taken in and marked (Michaelmas

Week 5, Lent Week 1 and Lent Week 7). There will in addition be a 1-hour mock exam at the start of the Summer Term.

**Examination Arrangements:** There is a three-hour examination, based on the material from all parts of the course.

**Reading List:** *General.* The course will draw on a variety of sources, including the following texts: H. R. Varian, *Microeconomic Analysis* (2nd edn.), Norton; E. Malinvaud, *Lectures on Microeconomic Theory*, North Holland; A. B. Atkinson & J. E. Stiglitz, *Lectures on Public Economics*, McGraw-Hill; H. Gravelle & R. Rees, *Microeconomics*, Longman; A. Deaton & J. Muellbauer, *Economics and Consumer Behaviour*, Cambridge University Press; M. Morishima, *The Economic Theory of Modern Society*, Cambridge University Press.

### Ec2410

#### Methods of Economic Investigation I

**Teacher Responsible:** James Davidson

**Course Intended Primarily for** M.Sc. in Economics. Its purpose is to present and illustrate the techniques of empirical investigation in economics. Knowledge of calculus, linear algebra, probability and statistics are assumed to the level of the September Courses in Mathematics and Statistics. Some knowledge of elementary econometrics will obviously be useful although not absolutely essential.

Note that those students with an inadequate Mathematics or Statistics background will be attending the September Courses taught by **Dr. Kuska** and **Dr. Magnus**. These cover the Mathematics and Statistics which are strictly necessary for all three compulsory papers on the M.Sc. in Economics.

**Teaching Arrangements:** There are 2 lectures (Ec216) per week taught by **Hugh Wills** in the Michaelmas Term and **James Davidson** in the Lent Term and 1 lecture (Ec216) per fortnight taught by **Jim Thomas**. There is one class per week (Ec216a) associated with the lectures and Class Group allocation which takes place at the start of the Michaelmas Term. Exercises are provided each week and are discussed in the classes. In order to have any chance of completing the course successfully, these exercises must be attempted. Special test exercises will be set at three points during the year. These will be carefully marked and the results made available.

**Text Books:** Theory: An elementary text which will be most useful for the course is M. Stewart & K. Wallis, *Introductory Econometrics*, Basil Blackwell. A number of theoretical topics are not adequately covered in this or indeed in any other elementary text and so supplementary notes will also be provided. Another useful elementary text is J. Kmenta, *Elements of Econometrics*, Macmillan.

More advanced texts are H. Theil, *Principles of Econometrics*, North Holland and A. Harvey, *The Econometric Analysis of Time Series*, Phillip Allen. **Applications:** Some use will be made of K. Wallis, *Topics in Applied Econometrics*, Blackwell; R. E. Lucas & T. J. Sargent (Eds.), *Rational Expectations and Econometric Practice*; M. Desai, *Applied Econometrics*.

#### Main Course Outline: (Wills)

1. Regression models with fixed regressors (simple and multiple). Least squares. Goodness of fit and hypothesis testing.
2. Regression models with stochastic regressors and asymptotic theory.
3. The method of maximum likelihood and its relationship to least squares, discrete dependent variable models.
4. An example of simple regression and hypothesis testing: testing the Capital Asset Pricing Model.
5. The partitioned regression model, omitted and added variables, misspecification.
6. An example of the omitted variable problem. The omission of ability in the determination of the rate of return of schooling.
7. Heteroskedasticity and Generalized Least Squares.
8. Measurement Errors and Instrumental Variables.
9. Multicollinearity.
10. The analysis of time series. Basic concepts; the autoregressive process asymptotic theory.
11. Regression models in time series. Distributed lags; autocorrelated disturbances; lagged dependent variables.
12. Diagnostic tests, model selection.
13. Simultaneous equations. Structural and reduced forms; dynamic systems; exogeneity and causality.
14. Estimation of simultaneous equations; Two Stage Least Squares; identification.
15. Rational expectations – theory and econometric practice.
16. A case study; the consumption function.

#### Course Outline: (Thomas)

This section of the paper is concerned with practical econometrics and covers the use of the standard computer packages in econometrics including practical exercises.

**Examination Arrangements:** There is a three hour formal examination in the Summer Term. The format will be the same as last year. There will be approximately ten questions, the first of which will be compulsory and account for 50 per cent of the marks. Two other questions have to be answered and these will be similar to those in last years. The compulsory question will have short problems.

If there are any problems please talk to either **Mr. Davidson** or **Dr. Wills**.

### Ec2411

#### Methods of Economic Investigation II

**Teacher Responsible:** Mr. J. Davidson

**Course Intended Primarily for** M.Sc. (Economics), as advanced alternative to **Methods of Economic Investigation I**.

**Syllabus:** The lectures for this course are drawn from advanced undergraduate options. The course segments are (i) 30 hours from **Econometric Theory** (SM232), and 20 classes, Michaelmas and Lent Terms; (ii) **Econometrics of Individual Behaviour** (Ec117), 10 lectures and 5 classes, Michaelmas Term; (iii) **Econometric Topics in Macro-Economics** (Ec120), 10 lectures and 5 classes, Lent Term. Segments (ii) and (iii) may be regarded as alternatives and students are not

### Ec2425

#### History of Economic Thought

**Teacher Responsible:** Dr. M. Perlman, Room S675  
**Course Intended Primarily for** M.Sc. (Economics), M.Sc. (Economic History).

**Scope:** The course traces the development of monetary and macroeconomic theory from about the middle of the eighteenth until the beginning of the twentieth century. It examines the recurring theoretical debates in the light of modern economic analysis and the very similar modern controversies.

**Syllabus:** The major authors studies are Hume, Cantillon, Thornton, Ricardo, Senior, J. S. Mill, Wicksell and Marshall. Two important monetary controversies, the Bullionist and Currency Banking School controversies, will be examined in detail.

**Teaching Arrangements:** Ec221. 20 lectures Michaelmas and Lent Terms; 20 seminars devoted to the analytical reading of texts.

**Reading List:** Apart from the original texts, the following general histories may be consulted: M. Blaug, *Economic Theory in Retrospect* (3rd edn.), Cambridge University Press; D. P. O'Brien, *The Classical Economists*, Oxford University Press; P. Deane, *The Evolution of Economic Ideas*, Cambridge University Press; J. Schumpeter, *History of Economic Analysis*; J. Viner, *Studies in the Theory of International Trade*; L. Robbins, *Robert Torrens and the Evolution of Classical Economics*; T. W. Hutchinson, *Review of Economic Doctrines*; J. R. Hicks, *Critical Essays in Monetary Theory*.

**Examination Arrangements:** There will be a three-hour formal examination in the Summer Term based on the full syllabus covered by the lectures and classes. Students are required to answer three questions out of a wide range of choices covering the syllabus.

### Ec2426

#### International Economics

**Teacher Responsible:** Teacher to be announced

**Course Intended Primarily for** M.Sc. in Economics.

**Scope:** The aim of the course is to assist the student in understanding the theory, history and institutions of the international economy.

**Syllabus: Introduction to International Trade and International Monetary Economics. Trade Theory:** The simplest Ricardian Model of international trade followed by a development of the Heckscher-Ohlin-Samuelson model and its basic theorems.

**Monetary Theory:** An introductory survey of the development of balance-of-payments theory.

**History and Institutions:** A brief history of the international economy followed by discussions of the more important international institutions and financial markets.

**The Theory of International Trade and Commercial Policy:** The first part of this course explores the implications of relaxing the major assumptions of the basic model developed in the introductory lectures. The course then turns to issues of commercial policy and protection, quotas and other non-tariff barriers, customs unions, and tariff structure.

expected to prepare both for examination, although they are encouraged to audit the lectures. See the relevant undergraduate study guides for further details, under **Econometric Theory** Ec1575 and **Topics in Quantitative Economics**, Ec1579.

**Pre-Requisites:** Students should normally have completed an undergraduate course in econometrics or statistical theory. Knowledge of linear algebra, calculus and statistical theory is assumed. The first 10 lectures of **Econometric Theory** (SM232) should be revision and this material is not examined, but students are encouraged to attend these lectures. See **Mr. Davidson** if you are in any doubt about your eligibility.

**Examination Arrangements:** There is a three hour examination in the Summer Term. The examination paper is in three sections, with questions on course segments (i), (ii) and (iii) respectively. Four questions must be answered, at least one on segment (i) and any three others.

*N.B.* This examination takes place at the same time as the B.Sc. Econometric Theory examination, and so may be a little earlier than the other M.Sc. papers.

### Ec2420

#### Advanced Economic Theory

**Teacher Responsible:** Professor M. Morishima, Room R410 (Secretary, Miss Debbie Clark, R411)

**Course Intended Primarily for** M.Sc. in Economics.

**Scope:** The aim of the course is to discuss various theories of economic dynamics, in order to enable students to examine economic phenomena from the system-analytic point of view.

**Syllabus:** The main points will be classical, neo-classical and Keynesian views of economic dynamism; capital formation and money; existence and stability of equilibrium; flex-price and fixed-price models; disequilibrium analysis; econometric analysis of growth.

**Pre-Requisites:** Third-year undergraduate knowledge of economic principles.

**Teaching Arrangements:** Lectures and classes (Ec219) by Professor **Michio Morishima** in the Michaelmas and Lent Terms.

**Written Work:** Two essays will be required during the year to be marked and discussed by **Professor Morishima**.

**Reading List:** There is no textbook covering the course. Detailed reading lists are provided for each section of the course. Books which students may like to consult include: M. Morishima, *Economic Theory of Modern Society*; *Marx's Economics*; *Walras' Economics*; J. R. Hicks, *Capital and Growth*; *Capital and Time*; E. Malinvaud, *The Theory of Unemployment Reconsidered*; *Profitability and Unemployment*; J. Steindl, *Maturity and Stagnation in American Capitalism*.

**Examination Arrangements:** There is a three-hour examination. The paper is divided into four parts, each containing two questions. Students are expected to answer three questions, not more than one from each part.

**International Monetary Economics:** The course begins with treatments of monetary, Keynesian and asset-market models of the international macroeconomy. It continues with a coverage of the following topics: macroeconomic adjustment under flexible exchange rates when domestic prices are 'sticky', the exchange rate and the current account, monetary and fiscal policy with fixed and flexible exchange rates, the efficiency of the foreign exchange market, and relative prices and macroeconomic adjustment in the open economy.

**Pre-Requisites:** Students are assumed to have completed a good undergraduate course in economic principles.

**Teaching Arrangements:**

**Ec222 Introduction to International Trade and International Monetary Economics.** Lectures: (i) Theory, 10 hours; (ii) History and Institutions, 10 hours. No classes.

**Ec223 The Theory of International Trade and Commercial Policy.** Lectures: 15 hours.

Classes: Ec223a, 15 hours.

**Ec224 International Monetary Economics.** Lectures: 15 hours. Classes: Ec224a, 15 hours. In the classes Ec223a, each student is expected to present a paper applying international trade theory to some aspect of international economic relations. For Ec224a, sheets of problems and topics will be distributed and students are expected to discuss these in the classes. In addition, several pieces of written work will be assigned during the course.

**Reading List:** Complete reading lists will be distributed at the beginning of each lecture course. R. Solomon, *The International Monetary System 1945-1981*, Harper & Row, 1982; A. I. MacBean & P. N. Snowden, *International Institutions in Trade and Finance*, George Allen & Unwin, 1981; R. E. Caves & R. W. Jones, *World Trade and Payments*, Little Brown, 1981; R. E. Caves & H. G. Johnson (Eds.), *Readings in International Economics*, George Allen & Unwin, 1968; H. G. Johnson, 'Optimal Trade Intervention in the Presence of Domestic Distortions' in R. E. Baldwin et al (Eds.), *Trade, Growth and the Balance of Payments*, Rand McNally, 1965; R. G. Lipsey, 'The Theory of Customs Unions' (*E.J.*, September 1960); E. Tower, 'Commercial Policy Under Fixed and Flexible Exchange Rates' (*Q.J.E.*, August 1973); R. Dornbusch, *Open Economy Macroeconomics*, Basic Books, 1980; M. Mussa, 'Macroeconomic Interdependence and the Exchange Rate Regime' in R. Dornbusch & J. Frenkel (Eds.), *International Economic Policy*, John Hopkins, Baltimore, 1979; W. H. Buiter & M. Miller, 'Real Exchange Rate Overshooting and the Output Cost of Bringing Down Inflation' (*European Economic Review*, May/June 1982); R. Dornbusch & S. Fischer, 'Exchange Rates and the Current Account' (*A.E.R.*, December 1980).

**Examination Arrangements:** There is a single three hour examination in the Summer Term. All students are required to answer questions on the material in Ec222, but those on either Ec223 or Ec224 may be omitted if students prefer to specialize.

Ec2428

### Theory of Optimal Decisions

See Economics of Investment and Finance Ec1542

Ec2429

### Labour Economics

**Teacher Responsible:** Professor R. Layard, Room S84  
**Course Intended Primarily for** M.Sc. (Econ.) final year and M.Phil.

**Scope and Syllabus:** The course tries to explain the pattern of wages (and wage inequality) and the pattern of employment and unemployment. The aim is to throw light on public policy issues relating to income distribution and employment. But the main focus is on the use of theory and evidence (from the U.K. and the U.S.) to explain what is actually going on. The main topics concerned are:

(i) The supply of labour: Hours of work. Women's labour force activity. Incentive effects of taxes and income maintenance. Human capital and earnings inequality. The supply of skilled manpower, and occupational choice. Optimal redistribution of income.  
(ii) The demand for labour; Substitution between types of labour and capital. The effect of real wages and of aggregate product demand upon the level of employment. Specific training and short-run fluctuations in employment.

(iii) Unemployment and wage inflation: Models of unemployment, voluntary and involuntary. The role of unions and implicit contracts in determining aggregate wages and employment. The role of search. The role of unemployment benefits. Explaining the path of employment and inflation in the 1970s and 1980s. Explaining the structure of unemployment and its duration (by age and occupation). Manpower policy (employment subsidies, public employment and training).

**Pre-Requisites:** Economics degree or equivalent. Calculus required.

**Teaching Arrangements:** There is one two-part lecture course (Ec227).

(i) Labour Supply, Demand, Unemployment and Wage Inflation. (Professor R. Layard, S84) 25 Lectures, Michaelmas and Lent Terms.

(ii) Microeconomic Foundations of Unemployment (Dr. J. Moore, S680) 10 Lectures. Lent Term.

There will be 10 classes spread over 3 terms associated with these lectures.

In addition there are 2 optional elements:

(i) Manpower Development Planning (Dr. C. Dougherty, S184) Ec251, 10 lectures, Michaelmas Term.

(ii) Unemployment Seminar Ec452 (Professor R. Layard S84 and Mr. R. Jackman, S376) 25 meetings Sessional. This is a research seminar run by the Centre for Labour Economics, which you are welcome to attend when you like.

**Written Work:** Students will write 4 short essays during the year. Professor Layard will supervise all students taking the course.

**Reading List:** The main reading for the course consists of recent journal articles. Some idea of the material is

provided by: B. Fleischer & T. Kneisner, *Labour Economics: Theory and Evidence*; Z. Hornstein et al. (Eds.), *The Economics of the Labour Market*; E. S. Phelps (Ed.), *Microeconomics Foundations of Employment and Inflation Theory*; and the special issues on Unemployment in the *Review of Economic Studies* 1982, and *Oxford Economic Papers*, reprinted as C. A. Greenhalgh, R. Layard and A. Oswald, *The Economics of Unemployment*.

A more detailed reading list is available from Professor R. Layard. (For the reading list for Course Ec251, see separate entry.)

**Examination Arrangements:** There will be one three-hour written paper. 3 questions to be attempted out of about 8 (1 question may be answered on Ec251 but this is not required).

Ec2340

### Monetary Economics

**Teacher Responsible:** Professor C. Goodhart and Dr. D. Webb

**Course Intended Primarily for** M.Sc. in Economics and M.Sc. in Econometrics and Mathematical Economics.

**Scope:** The course aims to develop the student's ability to undertake research in monetary economics by studying a number of current issues both theoretical and applied.

**Syllabus:** Demand for Money: the simple Baumol-Tobin model of the transactions demand for money, and extensions to short-run adjustments, uncertainty, and the demand for money by firms. Empirical evidence from the United States and United Kingdom.

Portfolio Selection and Asset Pricing: selection between many assets with different risks when agents are risk averse. Partial equilibrium results and extensions to the determination of asset prices in general equilibrium. Capital market efficiency. Empirical evidence presented by Fama and others. Financial Intermediation: portfolio selection by financial institutions under uncertainty about returns and transaction costs. The supply of money as the outcome of this process. Empirical evidence from the United Kingdom. Rational Expectations and the Effectiveness of Monetary Policy; the Lucas-Sargent proposition that when agents form expectations rationally and prices are flexible only unanticipated monetary policy influences output. Tests of this proposition by Barro and others. Derivation of a Phillips curve from this model. The Real Interest Rate and Inflation; examination of the question whether anticipated inflation can influence the real rate of interest. The role of rational and adaptive expectations. Evidence by Fama and others. Disequilibrium Theory; models with fixed prices and quantity constraints, the effectiveness of monetary and fiscal policy, wealth effects, neutrality and the long run impact of economic policy. Money and Growth: the structure of monetary growth models, the Tobin effect, the demand for money and other assets. Liquidity Constraints: capital market imperfections, theory of deposit-taking financial institutions, theory of the firm under uncertainty, competitive models with Keynesian features, front-end loading and the costs of inflation.

**Pre-Requisites:** Students are assumed to have done the equivalent of the undergraduate course **Economic Principles**. Only rudimentary knowledge of mathematics is assumed though more would be helpful.  
**Teaching Arrangements:** There are thirty-five hours of lectures (Ec228) and ten hours of classes (Ec228a). There are two hours of teaching per week; these time slots are used for lectures or classes as appropriate. Students will be expected to write at least one term paper, which will be marked by the lecturers, during the year. They will also be set regular exercises in the form of short essays and analytical problems. These exercises will be discussed in the classes and students are expected to have prepared the answers in advance. Students may also wish to attend course Ec229, **International Banking and Euro-Markets** (10 lectures, Lent Term) given by Mr. Alford; there is no examination for this course.

**Reading List:** The following items are central to the course but are by no means comprehensive. Students should consult the complete reading list handed out in the lectures. M. Miller & D. Orr, 'A Model of the Demand for Money by Firms' (*Quarterly Journal of Economics*, 80, 1966); G. Akerlof, 'Irving Fisher on His Head: The Consequence of Constant Threshold-Target Monitoring of Money Balances' (*Quarterly Journal of Economics*, 93, 1979); S. Goldfeld, 'The Demand for Money Revisited' (*Brookings Papers on Economic Activity*, 3, 1973 and also *BPEA*, 3, 1976); K. Arrow, 'The Theory of Risk Aversion' in K. Arrow *Aspects of the Theory of Risk-Bearing* and also *Essays in the Theory of Risk Bearing*; E. Fama, *Foundations of Finance*, chs. 8 & 9; J. Baltensperger, 'Alternative Approaches to the Theory of the Banking Firm' (*Journal of Monetary Economics*, 6, 1980); D. Gale, *Money: in General Equilibrium*, Nisbet/Cambridge University Press, Cambridge, 1981; *Money and Disequilibrium*, Nisbet/Cambridge University Press, Cambridge, in preparation.

**Examination Arrangements:** The assessment for this course depends entirely on a three-hour formal examination in the Summer Term. The paper contains ten questions of which four must be answered. No credit is given for answering more than four questions and candidates will be penalized for incomplete answers.

Ec2432

### Economics of Transport

**Teacher Responsible:** Dr. Stephen Glaister, Room S587

**Course Intended Primarily for** M.Sc. in Economics.

**Scope:** The paper is one of the several options available as the fourth paper to candidates for the M.Sc. in Economics. The course covers the applications of economics and quantitative methods to the various transport industries, including road, rail, urban transport systems, aviation and (subject to availability of teachers) shipping and ports. The course will only be given if there are sufficient candidates who are interested.

**Syllabus:** The course comprises a series of short courses.





Nugent, *Economics of Development*; C. J. Bliss & N. H. Stern, *Palampur: The Economy of an Indian Village*; K. Dervis, J. de Melo & S. Robinson, *General Equilibrium Models for Development Policy*; A. Sen, *Poverty and Famines, An Essay on Entitlement and Deprivation*; L. Taylor, *Macro Models for Developing Countries*; M. Gersovitz, C. F. Diaz-Alejandro, G. Rahis & M. R. Rosenzweig, *The Theory and Experience of Economic Development*; L. G. Reynolds, *Agriculture in Development Theory*.

Most of the specific reading for the course comes from the recent journal literature.

**Examination Arrangements:** The final grade is assigned solely on the basis of performance in a three hour written examination held towards the end of the Summer Term. Students are asked to write on four questions from a list of twelve.

### Ec2442

#### Theory and Implementation of Detailed Planning and Development Planning

**Teacher Responsible:** Dr. S. Gomulka

**Course Intended Primarily for** M.Sc. in Economics final year.

**Scope:** Part A of the course gives the background in social institutions and ownership to detailed planning (U.S.S.R.) and rather detailed planning (France). It also discusses the planner's implementation problem. Part B covers the theory, techniques and actual practice of macroeconomic planning; all these in reference to (mainly) centrally planned economies, some developing countries and France.

#### Syllabus:

**Part A:** Resource allocation models. Planning versus forecasting. Normative planning versus indicative planning. Implementation models: Hierarchies of administrative power, including banks. Property. The level of development and the type of planning. Political power and size of country as factors in planning. The aggregation problem. Disaggregation by decentralization by quasi-markets. Shadow prices, ordinary prices, passive prices. Prices and physical commands; prices and decentralization. Growth versus choice. Location versus commodity-structure as hierarchical principles. Inflation and planner's tension.

**Part B:** Aggregative planning: policy variables and alternative development strategies. Multi-sectorial planning: consistency models of the Leontief input-output type and optimal models of the programming type. Detailed planning of the Soviet type: the method of product, labour and investment balances. Planning as a bargaining process under limited information: micro and macroeconomic implications. Macroeconomic econometric models for centrally planned economies: Sovmod and others. Market socialism of the Lange-Taylor-Brus type and market communism of the Arrow-Hurwicz-Malinvaud type. Western indicative planning and the French Fi-Fi model.

**Part C:** Development policies and their relation to (i) plan implementation mechanisms; (ii) the contents of plans.

**Pre-Requisites:** Any M.Sc. Economics student should be able to follow.

#### Teaching Arrangements:

**Part A:** Ten one-hour lectures (Ec247i) by Professor Peter Wiles and Dr. S. Estrin.

**Part B:** Eighteen one-hour lectures (Ec247ii) by Dr. S. Gomulka.

**Part C:** Seven one-hour lectures (Ec247iii) by Professor Wiles and Dr. Estrin.

**Seminars:** On the **Economic Problems of the Communist World** (Ec246), meets fortnightly, and **Planning and Comparative Economics** (Ec248), meets also every other week. The seminars' conveners: Dr. S. Gomulka, Dr. S. Estrin and Professor Peter Wiles. The seminars discuss topics related to the course and students are advised to attend.

Students may find it useful to attend also Ec245 Soviet Economic Development.

**Written Work:** There are no classes, but students are expected to prepare essays for their supervisors.

**Reading List: Part A:** E. Devons, *Planning in Practice*; P. Bauchet, *Planning: the French Experience*; L. Berni (Ed.), *Planning and Socialist Economy*; H. Levine in Bornstein & Fufeld (Eds.), *The Soviet Economy, A Book of Readings*; D. Liggins, *National Economic Planning in France*.

**Part B:** Blitzer-Clark-Taylor (Eds.), *Economy-Wide Models and Development Planning* especially the contributions by Taylor and by Clark, Oxford University Press, 1975; Carter-Brody, *Application in Input-Output Analysis* Vols. 1 and 2, North-Holland Publishing Company, 1970; M. Ellman, *Planning Problems in the U.S.S.R.*, Cambridge University Press; D. Green & C. Higgins, *SOVMOD I: A Macroeconomic Model of the Soviet Union*, 1977; G. Healm, *The Theory of Planning*, North-Holland Publishing Company; L. Johansen, *Lectures on Macroeconomic Planning*, Vols. 1 and 2, 1977; J. Kornai, *Mathematical Planning of Structural Decisions*, chaps. 1-3, North Holland Publishing Company; J. Kornai, *Economics of Shortage*, 1980; D. Liggins, *National Economic Planning in France*; E. Malinvaud, 'Decentralised Procedures for Planning' in E. Malinvaud & Bachardach (Eds.), *Activity Analysis in the Theory of Growth and Planning*; Nove-Nuti (Ed.), *Socialist Economics*, Part I, 1972.

Articles by Lange, Brus-Laski, Dobb, Domar and Kornai.

Lists of journals papers and optional references are circulated.

**Examination Arrangements:** The examination paper is in two sections, A and B, containing questions corresponding to Parts A and B above. Students are required to answer one question from section A and two questions from section B. All questions have equal weight.

### Ec2455

#### Marx, Walras and Keynes in the Light of Contemporary Economic Analysis

**Teacher Responsible:** Professor Desai

**Course Intended Primarily for** M.Sc. (Economics) but also available for M.Sc. (Econometrics and Mathematical Economics)

**Scope:** The aim of this course is to treat critically the questions of methodology and of model construction in classical and modern economics with special attention to theory of value and monetary theory.

**Syllabus:** The course is in two parts. Part 1 deals with the theory of value in the classical economists, Marx, and the early marginalists; and the methodology of all these economists, the neo-classical economists and Keynes. Part 2 deals with attempts in the economic literature to construct a theory of a monetary economy. It covers the theories of Marx, Walras, Wicksell, Hayek, Myrdal and Keynes.

**Pre-Requisites:** None.

**Teaching Arrangements:** 25 lectures (Ec253), one each week in Michaelmas, Lent and Summer Terms plus a seminar (Ec254) of one and a half hours for ten weeks in which students will be expected to present papers on the course material.

**Reading List:** There are no set textbooks in this course and the reading list is updated each year to take into account new developments. Selections from the reading lists of recent years are given below but relevant reading lists will be made available at the beginning of the course.

1. *Value and Methodology:* P. A. Samuelson, in *Journal of Economic Literature*, June 1971; Piero Mini, *Philosophy and Economics*, Ch. 13; M. Friedman, 'The Methodology of Economics' in his *Essays in Positive Economics*; P. Wiles, in *Journal of Post-Keynesian Economics*, 1979; K. Marx, *Capital*, Vol. I/1-3, Vol. III/12; D. Ricardo, *Principles of Political Economy and Taxation*, Chs. 1, 2, 4, 5, 6, 30.

2. *Theory of a Monetary Economy:* M. Desai, *Marxian Economics*; F. Hayek, *Prices and Production*; M. Keynes, *Treatise on Money*, Vol. 1, *General Theory of Employment, Interest and Money*; K. Marx, *Capital*, Vols. 1-3; G. Myrdal, *Monetary Equilibrium*; L. Walras, *Elements* Translated by Jaffe; K. Wicksell, *Interest and Prices*; *Lectures on Political Economy*.

**Examination Arrangements:** A three hour written examination in the Summer Term along with other M.Sc. examinations.

### Ec2465

#### Economic Inequality

**Teacher Responsible:** Professor A. B. Atkinson, Room R407

**Course Intended Primarily for** M.Sc. in Economics

**Scope:** The aim of the course is to show how economic analysis can be applied to the distribution of income and wealth.

**Syllabus:** Principles of economic justice. Measurement of inequality. Measurement of poverty. Models of the distribution of income and wealth. Theories of the distribution of earnings.

**Pre-Requisites:** Third-year undergraduate knowledge of economic principles.

#### Teaching Arrangements:

Lectures: Ec258 by Professor Atkinson and Dr. F. A. Cowell commencing in the Michaelmas Term.

Seminar on **Economic Inequality** (Ec259) organised by Professor Atkinson and Dr. Cowell. Classes organised by Dr. Cowell.

**Reading List:** A. B. Atkinson, *The Economics of Inequality*; A. K. Sen, *On Economic Inequality*; F. A. Cowell, *Measuring Inequality*; J. E. Meade, *The Inheritance of Inequalities*; A. B. Atkinson (Ed.), *Wealth, Income and Inequality*.

**Examination Arrangements:** There is a three-hour examination. Students are expected to answer three questions out of eight.

### Ec2470

#### The Economics of Technological Change and Long-Term Growth

**Teacher Responsible:** Dr. S. Gomulka

**Course Intended Primarily for** Final Year M.Sc. in Economics.

**Scope:** The course covers an integrated (microeconomic) theory of innovation and market structure, an integrated (macroeconomic) theory of innovation, international diffusion and long-term growth and a treatment of institutional and cultural factors in technological change.

#### Syllabus:

**Microeconomics:** the aim is to show how basic ingredients, such as demand conditions, R & D technological possibilities, the nature of the capital market and patent regulations affect both the industrial concentration and the rate of innovative activity.

**Macroeconomics:** measures of innovation and measurement problems, optimal rate and direction of technological change, variation in technological levels and mechanisms of international technological transfer, models of innovation and growth in the technology-importing country, technological unemployment and cycles, a theory of international variation in innovation and productivity growth.

**Pre-Requisites:** No particular pre-requisites. The first two courses are theoretical in orientation, but their level of mathematics and economic theory is comparable to that of the main M.Sc. micro and macro courses.

**Teaching Arrangements:** Lectures: There are two sections in the course and a seminar.

(i) **Microeconomics:** Ec260 **The Relationship Between Industrial Structure and Technological Change**. 18 lectures Michaelmas and Lent Terms given by Mr. D. de Meza and Dr. T. Horsley.

(ii) **Macroeconomics:** **Inventive Activity, Diffusion and the Dynamics of Long-Term Growth**. 13 lectures Michaelmas and Lent Terms given by Dr. S. Gomulka.

**Written Work:** There are no classes, but students are expected to present seminar papers and prepare essays for their supervisors.

**Reading List: Microeconomics:** M. Kamien & N. Schwarz, *Market Structure and Innovation*, Cambridge University Press, 1982; P. Stoneman, *The Economic Analysis of Technological Change*, Oxford University Press, 1983; K. Arrow, 'Economic Welfare and the Allocation of Resources to Inventions' in R. R. Nelson (Ed.), *The Rate and Direction of Inventive Activity*; B. Spencer & J. Brander, 'International R & D Rivalry and Industrial Strategy' in *Review of Economic Studies*, 1983; P. Dasgupta & J. Stiglitz, 'Industrial Structure and the Nature of Innovative Activity' in *Economic Journal*, 90, 1980; P. Dasgupta

& J. Stiglitz, 'Uncertainty, Industrial Structure and the Speed of R & D' in *Bell Journal*, Spring 1980; D. Fudenberg, 'Pre-emption Leapfrogging and Competition in Patent Races' in *European Economic Review*, 22, 1983; D. Fudenberg & J. Tirole, 'The Fat-Cat Effect, The Puppy-Dog Ploy and the Lean and Hungry Look' in *American Economic Review*, May 1984; J. Reinganum 'Practical Implications of Game Theoretic Models of R & D' in *American Economic Review*, May 1984; P. Tandon, 'Optimal Patents with Compulsory Licences' in *Journal of Political Economy*, Vol. 90, No. 3, 1982.

**Macroeconomics:** Required reading - some ten papers by Findly, Gomulka, Nelson-Winter, Phelps and others. Also S. Gomulka, *Inventive Activity: Diffusion and the Stages of Economic Growth*; W. D. Nordhouse, *Invention, Growth and Welfare*.

**Examination Arrangements:** The examination is in three sections. Four questions should be answered, at least one from the first two sections and not more than one from the final part. All questions have equal weight.

### Ec2495

#### Topics in Economic Analysis

**Teacher Responsible:** Professor M. A. King, Room S404

**Course Intended Primarily for** M.Phil. or Ph.D. students in Economics.

**Scope:** The aim of the course is to cover recent developments in Economic Analysis, both theoretical and applied; with the particular aim of suggesting areas for fruitful research.

**Teaching Arrangements:** There will be six units, each consisting of ten hours of lectures comprising the course **Topics in Economic Analysis** (Ec410).

**Reading List:** A separate reading list will be supplied for each section at the time of the course.

**Examination Arrangements:** There will be a three hour examination. The paper will be in six sections, and candidates will be expected to answer four questions, drawn from at least two sections.

### Ec2510

#### The Economics of Regional and Urban Planning

**Teachers Responsible:** Mr. R. A. Jackman, Room S376 (Secretary, Ms. J. Canfield Room S478) and Dr. C. M. E. Whitehead, Room S579

**Course Intended Primarily for** M.Sc. Regional and Urban Planning Studies

**Scope:** The course examines the economic principles and techniques necessary for the analysis of regional and urban structure and uses these principles to examine regional and urban problems and to evaluate policies which have been employed to alleviate these problems. The course relates mainly to the industrialized nations of Europe and North America with some discussion of the particular problems of developing nations.

**Pre-Requisites:** Students should normally have completed an introductory course in Economics. A

higher level of attainment will enable the student to cover the material in more depth. Students without this background must attend Ec101 **Economics A2** as a pre-requisite.

**Syllabus:** Industrial and residential location decisions. The determination of urban rents and land values. The structure of the urban area. The determination of income, growth and decline of cities and regions. The possible convergence of disparities between regions. Urban and regional factor markets. The role of trade and factor mobility. The rationale of government intervention. Public goods, externalities and other causes of market failure. Methods of intervention: land use controls, regulations and standards, taxation and subsidy. Financing the public sector: grants, property taxation, other local taxes. Pricing and investment decisions in the public sector. The principles of cost-benefit analysis and their application to public sector decision making. Local public finance. Urban housing and transport problems and policies. The rationale of regional policies. Instruments of regional policy.

**Teaching Arrangements:**

Ec400 **Elements of Urban and Regional Economics** 15

hours lectures, C. M. E. Whitehead, Michaelmas Term.

Ec400a **Elements of Urban and Regional Economics** 10

hours classes, S. Roper, Michaelmas Term.

Ec401 **Seminar in Regional and Urban Economics** 15

1½ hour seminars, R. A. Jackman and others, Lent and Summer Terms.

Ec235 **Cost-Benefit Analysis** 6 hours lectures,

Professor C. D. Foster, Lent Term.

Ec234 **Urban and Transport Economics** 10 1½ hour

seminars, Professor C. D. Foster, S. Glaister, R. A. Jackman, C. M. E. Whitehead, Lent Term.

In addition students may wish to attend Ec149

**Economics and Geography of Transport** Professor C. D. Foster and K. R. Sealy, Michaelmas and Lent

Terms.

**Written Work:** Students are expected to prepare seminar papers and to do regular exercises for the class.

**Reading List:** The recommended text books for Ec400 are: R. W. Vickerman, *Urban Economics* and H. Armstrong & J. Taylor, *Regional Economic Policy and its Analysis*. In addition students may wish to refer to A. J. Harrison, *Economics of Land Use Planning*; B. Walker, *Welfare Economics and Urban Problems*; K. Willis, *Economics of Town and Country Planning*; H. Richardson, *Elements of Regional Economics*; H. Dunkerley (Ed.), *Urban Land Policies: Issues and Opportunities*. Reading on specific topics may be provided at the lectures.

Texts for Ec235 include: R. Layard (Ed.), *Cost Benefit Analysis*; R. Sugden & A. Williams, *The Principles of Practical Cost-Benefit Analysis*; D. W. Pearce and C. A. Nash, *The Social Appraisal of Prospects*.

A detailed reading list for each seminar topic covered in Ec401 will be provided at the beginning of the course.

**Examination Arrangements:** There will be a three-hour formal examination in the Summer Term. The examination paper normally contains nine questions of which three must be attempted. Students are also required to sit a short examination covering Ec101 and Ec400 at the beginning of the Lent Term.

### Ec2515

#### The Economics of European Integration

**Teacher Responsible:** A. Marin, Room S566

**Course Intended for** M.Sc. (Econ.) in European Studies, Paper 3(e).

**Scope:** This course may be taught if there is sufficient demand by those for whom the economic analysis and content of Ec256 are too simple.

### Ec2516

#### The Economic Organisation of the European Community

**Teacher Responsible:** A. Marin, Room S566

**Course Intended Primarily for** M.Sc. (Econ.) in European Studies, Paper 1 and 2(c).

**Scope:** As title.

**Syllabus:** The course covers various economic aspects of the EEC. These include the gains/losses from formation of a common market, the European Monetary System, the Common Agricultural Policy, competition and regional policy, relations with non-members.

**Pre-Requisites:** Students who have not previously studied economics should also take Ec257 during the Michaelmas Term to acquire the necessary background.

**Teaching Arrangements:** Twenty lectures (Ec255) will be given by Mr. Marin and there will be fifteen seminars (Ec256). Some of the seminars will be given by students. A mid-year examination is given to help assess students progress (see M.Sc. description).

**Reading List:** A detailed reading list will be given out at the beginning of term. Many of the topics are covered in D. Swann, *The Economics of the Common Market*; P. Robson, *The Economics of European Integration*; A. El Agra (Ed.), *The Economics of the European Community*.

**Examination Arrangements:** A written 3-hour formal examination in the Summer Term, with three questions to be answered out of ten.

### Ec2520

#### Economics for M.Sc. Sea-Use

**Teacher Responsible:** David de Meza, Room S681

**Course Intended Primarily for** students for M.Sc. in Sea-Use.

**Scope:** Application of economic analysis to explaining the pattern of marine resource use and to designing rational management policies.

**Syllabus:** Economics of exhaustible resources: fish, offshore oil and gas, manganese nodules. Cost benefit analysis, particularly applied to port pricing and investment. Externalities as applied to pollution control.

**Teaching Arrangements:** Two meetings of two hours per week during Lent Term and also parts of Michaelmas and Summer Terms. The meetings will combine lecture and discussion.

**Written Work:** Two essays and preparation for class discussion.

**Reading List:** L. Anderson, *The Economics of Fisheries Management*; P. Dasgupta, *The Control of Resources*; R. Eckert, *The Enclosure of Ocean Resources*; E. Benathan & A. Walters, *Port Pricing*; A. Fisher, *Resource and Environmental Economics*.

**Examination Arrangements:** Written 3 hour examination in Summer Term. 50% of marks for choice of six from twelve short questions, remaining marks for two from six longer questions.

### Ec2550

#### Advanced Quantitative Economics I

**Teacher Responsible:** Mr. S. E. Pudney, Room S283

**Course Intended Primarily for** M.Sc. (Econometrics) Final Year.

**Scope:** The course is intended (a) to introduce students to new developments in applied econometrics research in some central fields of econometrics paying particular interest to new methodology, (b) to give students experience of seminar presentation. It is complementary to **Advanced Quantitative Economics II** which specialises on economic model building particularly in the field of macro-economics.

**Syllabus:** The seminar explores recent journal articles covering estimation and testing of models drawn from various fields of micro economics. The lectures provide background material for the seminar.

**Pre-Requisites:** A knowledge of econometric theory and applied econometrics corresponding to the undergraduate courses at LSE. Students must be prepared to read journal articles with difficult mathematical and statistical content.

**Teaching Arrangements:**

Ec302(i): Graduate Seminar for **Advanced Quantitative Economics I: S. E. Pudney**. Lent Term 10 two-hour seminars. All students attending the course are required to present papers and act as discussants in the seminar. The number of occasions per student depends on the number of students in the seminar but is normally three times in the term.

Ec303(i): **Advanced Quantitative Economics I S. E. Pudney**, Lent Term. 10 lectures.

**Reading List:** Since this course is an attempt to cover recent research in applied econometrics, no textbook is entirely up-to-date. Background reading from textbooks such as Deaton & Muellbauer, *Economics of Consumer Behaviour* and M. J. Desai, *Applied Econometrics* might be regarded as pre-requisites for the course. The student will not be expected to read the whole literature of the subjects covered, and might be expected to read one or two journal articles on two-thirds of the topics, but to read more widely on topics where he is presenter or discussant.

**Examination Arrangements:** There is a three-hour formal examination in the Summer Term. Eight questions are based on the work of the Michaelmas Term from courses Ec302(i) and Ec303(i). Three questions are based on the first half of the course Ec304. Students are required to write three questions.

**Ec2551****Advanced Quantitative Economics II**

**Teacher Responsible:** Dr. C. R. Bean, Room S480  
**Course Intended Primarily** for students taking the M.Sc. in Econometrics and Mathematical Economics although the lectures may be of interest to M.Phil. and Research Fee students.

**Scope:** This course aims to familiarise the student with a broad range of topics which illustrate the use of quantitative techniques in economics research. There is some emphasis on modern macro-economics, particularly in the lecture course, but in the seminars a wide variety of other subjects are dealt with.

**Syllabus:**

*The lecture course* (Ec303(ii)) (10 hours Michaelmas Term)

This course will be concerned with an analysis of the extent to which existing theoretical and empirical work helps up to understand major movements in macro variables. Among the topics which will be considered are:

1. Equilibrium Models of the Economy; Rational Expectations; Anticipated and unanticipated Changes.
2. Explanations of aggregate fluctuations in output, prices and unemployment in the context of the above, and a comparison with 'disequilibrium' or Keynesian models.
3. Intertemporal models of consumer behaviour and empirical tests thereof.
4. Implicit contract models of the labour market under both perfect and imperfect information.
5. Testing the efficiency of financial markets.

*The seminar series* (Ec302(ii)) (20 hours Michaelmas Term).

These seminars will cover a variety of topics and will be presented by the students. Furthermore, those students writing projects are invited to discuss their results in this seminar. The topics which will be discussed, the order in which they will be taken and who will do what will be decided at a meeting towards the end of the Michaelmas Term, and at the first meeting of the seminar. Students are encouraged to choose a topic in which they are particularly interested. Below I have listed a selection of potential topics. Any other area of economics which comes under the broad heading of Quantitative Economics will be considered, however, although I do reserve for myself a final right of veto.

**Possible Topics****Incentives**

1. The impact of taxes on the supply of labour.
2. The impact on unemployment insurance on the level of unemployment.
3. Company profitability and growth and managerial remuneration.
4. Incentives and labour turnover – why do people change jobs.

**Macroeconomic Theory and Policy**

1. The role of expectational errors in determining supply fluctuations.
2. Business cycles as an equilibrium or disequilibrium phenomenon.
3. Unemployment as an equilibrium or disequilibrium phenomenon.

4. The ineffectiveness of monetary policy.
5. Contracts, wage stickiness and unemployment.
6. Cost push, unemployment and monetary accommodation.

**Other Topics**

1. The determinants of individual earnings – genes, environment, education, luck, etc.
  2. The effect of trade unions on pay, productivity and turnover.
  3. Firm behaviour under uncertainty – what do firms maximise, if anything?
  4. Testing theories of exchange rate determination.
- The seminar programmes for the last three years are made available to M.Sc. students at the start of the academic year.

**Reading List:** There is no central text. A full reading list will be available at the beginning of the session.

**Examination Arrangements:** There is a three-hour examination towards the end of the Summer Term. Four questions have to be answered and students have a free choice from around twelve questions on the paper. Typically four questions are based on the Lent Term lecture course and eight questions on the seminar series.

**Ec2560****Advanced Econometric Theory I**

**Teacher Responsible:** Professor P. M. Robinson, Room S577

**Course Intended Primarily** for for M.Sc. (Econometrics) Final Year and M.Sc. (Statistics).

**Scope:** The courses are intended for students with a considerable background in econometric theory (either at the undergraduate level or in the preliminary year of the M.Sc. (Econometrics)) to provide (a) a general review of econometric theory at a more advanced level, and (b) an introduction to the statistical analysis of time series.

**Syllabus:****Advanced Econometric Theory:**

1. Asymptotic statistical theory: convergence in probability and distribution, stochastic orders of magnitude, laws of large numbers and central limit theorems for sums of independent and dependent random variables.
2. Linear simultaneous equations system: structural and reduced forms, identities, lagged endogenous variables.
3. Identifiability: observational equivalence, global and local identifiability, multicollinearity, system and equation identifiability under linear and non linear constraints.
4. Estimations of simultaneous equations systems, subsystems and single equations: Gaussian pseudo-maximum likelihood, minimum distance, two and three stage least squares, instrumental variable and other estimators, their asymptotic statistical properties.
5. Hypothesis testing: Wald, Lagrange multiplier and likelihood ratio test: statistics, their relationship and asymptotic properties, testing overidentifying constraints, testing for misspecification.

**Basic Time Series Analysis:** basic structure of time series, stationarity autocorrelation, ARMA models, filtering and testing, linear forecasting, regression with

autocorrelated errors, tests of serial independence, Wold decomposition.

**Pre-Requisites:** A background in statistical theory and econometric theory similar to our undergraduate courses **Probability and Distribution Theory** and **Econometric Theory**.

**Teaching Arrangements:** There are two lecture courses, with classes associated with one of the courses, **Advanced Econometric Theory**.

**Ec316 Advanced Econometric Theory.** Professor P. M. Robinson 25 lectures: 10 in the Michaelmas and Lent Terms, 5 in the Summer Term.

**Ec316a Class for Advanced Econometric Theory.** Professor P. M. Robinson. 20 classes: 5 in the Michaelmas Term (beginning 6th week), 10 in the Lent Term and 5 in the Summer Term.

**SM257 Basic Time Series Analysis.** J. Durbin and A. Harvey. 20 lectures, Michaelmas Term. The lectures for Ec316 are arranged to take place in two successive hours each week. Each second lecture is intended to be more informally conducted with the possibility of questions, discussion, and some problem setting.

**Written Work:** Problems will be set regularly in connection with Ec316. Solutions which are handed in will be reviewed.

**Reading List:**

**Advanced Econometric Theory:** A list of books will be handed out at the start of the course. The most relevant books are perhaps C. R. Rao, *Linear Statistical Inference and its Applications*; R. J. Serfling, *Approximation Theorems of Mathematical Statistics*; E. Malinvaud, *Statistical Methods of Econometrics*; P. Schmidt, *Econometrics*; P. C. B. Phillips and M. R. Wickens, *Exercises in Econometrics* Vols. I and II.

**Basic Time Series Analysis:** E. J. Hannan, *Time Series Analysis*; A. Harvey, *Time Series Models*.

Students might be expected to buy G. Judge *et al.* and A. Harvey.

**Examination Arrangements:** There is a three-hour formal examination in the Summer Term. The paper is divided into two parts. Part I is based on **Asymptotic Theory for Econometrics** and **Advanced Econometric Theory I**. It contains eight questions, two of which are intended to be particularly relevant to the former course. Part II contains four questions on the **Basic Time Series Analysis** course. Candidates are required to answer four questions, at least two questions from Part I of the paper.

**Ec2561****Advanced Econometric Theory II**

**Teacher Responsible:** Dr. J. Magnus, Room S479

**Course Intended Primarily** for M.Sc. (Econometrics).  
**Scope:** This paper covers a set of courses given by different members of staff with interests in different special topics in econometrics and the statistical analysis of time series.

**Syllabus:** The courses consist of a set of short lecture courses of 10 hours plus a rather longer course "Further Time Series Analysis" of 20 hours. The topics are as follows.

**Ec319 Matrix Differential Calculus.** Jan Magnus. 10 lectures. Michaelmas Term. Matrices, differentials,

optimization (general), typical optimization problems, the linear model, maximum likelihood, comparative statics, other applications, L-structures, (0,1), matrices, Jacobians, inequalities.

**Ec320 Statistical Forecasting and Control.** A. C. Harvey. 10 lectures. Michaelmas Term. State space models, Kalman filter, forecasting and control theory.

**Ec321 Non-Linear Techniques in Econometrics.** J. Davidson. 10 lectures. Michaelmas Term. Numerical methods of non-linear optimisation, identification, maximum likelihood and minimum distance estimators, non-linear simultaneous equation models.

**Ec317 Finite Sample Properties.** J. D. Sargan. 10 lectures. Lent Term. Exact distribution for simple time series and single equation estimators, the Imhof procedure, asymptotic expansions of moments, Edgeworth and  $X^2$  approximations.

**SM258 Further Time Series Analysis.** Professor J. Durbin. 20 lectures. Lent Term. Spectral methods, multivariate models, causality.

**Pre-Requisites:** Intended for the student with a good general background in econometric theory and time series analysis. Normally only for the student who is also taking the paper "Advanced Econometric Theory I".

**Teaching Arrangements:** The short courses follow each other through the year using the same weekly hours and locations. A student might expect to take up to about 40 hours on these lectures to have an adequate choice in the examination. The actual course identifiers and teachers are given above. The numbers taking the courses are expected to be sufficiently small that some informal interaction and problem solving will be organised by the teacher.

**Reading List:**

**Matrix Differential Calculus:** References will be provided at the start of the course.

**Statistical Forecasting and Control:** A. Harvey, *Time Series Models*; G. Chow, *Analysis and Control of Dynamic Economic Systems*; B. D. O. Anderson & J. B. Moore, *Optimal Filtering*.

**Non-Linear Techniques in Econometrics:** S. M. Goldfield & R. E. Quandt, *Non-Linear Methods in Econometrics*.

**Finite Sample Theory:** A list of articles will be given at the start of the course.

**Further Time Series Analysis:** P. Bloomfield, *Fourier Analysis of Time Series*; A. C. Harvey, *Time Series Models*.

**Examination Arrangements:** There is a three-hour formal examination in the Summer Term. The paper is divided up into parts corresponding to each separate course. One question is set per five hours of lecturing. Students are required to answer four questions, to be selected from at least two parts of the paper.

**Ec2563****Advanced Econometrics**

**Teacher Responsible:** Professor P. M. Robinson, Room S577 (Secretary, Jean Canfield, S566)

**Course Intended Primarily** for M.Sc. (Statistics)

**Scope:** The courses are intended for students with a strong background in econometric theory (they provide

a general review of econometric theory at an advanced level).

**Syllabus:**

1. Asymptotic statistical theory: convergence in probability and distribution, stochastic orders of magnitude, laws of large numbers and central limit theorems for sums of independent and dependent random variables.

2. Linear simultaneous equations system: structural and reduced forms, identities, lagged endogenous variables.

3. Identifiability: observational equivalence, global and local identifiability, multicollinearity, system and equation identifiability under linear and nonlinear constraints.

4. Estimation of simultaneous equations systems, subsystems and single equations: Gaussian pseudo-maximum likelihood, minimum distance, two and three stage least squares, instrumental variable and other estimators, their asymptotic statistical properties.

5. Hypothesis testing: Wald, Lagrange multiplier and likelihood ratio test statistics, their relationship and asymptotic properties, testing over-identifying constraints, testing for misspecification.

**Pre-Requisites:** A background in statistical theory and econometric theory similar to our undergraduate courses, **Probability and Distribution Theory** and **Econometric Theory**.

**Teaching Arrangements:** There is one lecture course, with associated classes.

**Ec316 Advanced Econometric Theory. Professor P. M. Robinson** 25 lectures: 10 in the Michaelmas and Lent Terms, 5 in the Summer Term.

**Ec316a Class for Advanced Econometric Theory. Professor P. M. Robinson** 20 classes: 5 in the Michaelmas Term (beginning 6th week), 10 in the Lent Term and 5 in the Summer Term.

**Written Work:** Problems will be set regularly in connection with Ec316. Solutions which are handed in will be reviewed.

**Reading List:**

*Advanced Econometric Theory:* A list of books will be handed out at the start of the course. The most relevant books are perhaps C. R. Rao, *Linear Statistical Inference and its Applications*; R. J. Serfling, *Approximation Theorems of Mathematical Statistics*; E. Malinvaud, *Statistical Methods of Econometrics*; P. Schmidt, *Econometrics*; P. C. B. Phillips and M. R. Wickens, *Exercises in Econometrics Vols I and II*; A. C. Harvey, *The Econometric Analysis of Time Series*.

**Examination Arrangements:** There is a three hour formal examination in the Summer Term. Candidates are required to answer four questions out of eight. Candidates are not permitted to answer the time series questions, which make up part II of the paper.

**Ec2570****Advanced Mathematical Economics I**

**Teacher Responsible:** To be announced

**Courses Intended Primarily for** M.Sc. in Econometrics and Mathematical Economics and M.Sc. in Economics.

**Scope:** These papers introduce the student to a number

of related topics in advanced economic theory which are currently the subject of research interest.

**Pre-Requisites:** Students are expected to be familiar with the material covered in the undergraduate paper **Mathematical Economics**. Some of the lectures assume familiarity with calculus, linear algebra and elements of analysis.

**Teaching Arrangements:** There are 5 lecture courses of 10 hours each.

**Ec305 Introduction to General Equilibrium** (Ten hours, Michaelmas Term)

**Ec306 Topics in Advanced Mathematical Economics** (Ten hours, Michaelmas Term)

**Ec310 Organization and Information** (Ten hours, Lent Term)

**Ec311 Public Economics** (Ten hours, Michaelmas Term)

**Ec312 Intertemporal Economics** (Ten hours, Lent Term)

All students should attend the fortnightly seminar in **Mathematical Economics** (Ec314) as well as the **Theoretical Economics Workshop** at the International Centre for Economics and Related Disciplines.

**Syllabus and Basic References:** **Introduction to General Equilibrium:** This course begins with a revision of the elements of the Arrow-Debreu model and then applies these to the question of existence of equilibrium. It goes on to consider the question of existence of equilibrium. It goes on to consider how these methods can be applied to the analysis of a variety of situations; equilibrium when there are fixed prices and quantity rationing, equilibrium over time, stochastic equilibria and so on. The emphasis is on the structure of these models and on the nature and existence of equilibrium. **Basic Reference:** G. Debreu, *Theory of Value* (Wiley, 1959).

**Topics in Advanced Mathematical Economics:** Debreu-Scarf theorem; markets with a continuum of traders; monopolistic competition and product differentiation.

**Basic Reference:** W. Hildenbrand & A. Kirman, *Introduction to Equilibrium Analysis: Variation on Themes of Walras and Edgeworth*, (North Holland).

**Organization and Information:** A theory of organization will be developed with special attention to differential information possessed by agents. Organization coordination will be discussed in the context of the theory of teams, to be followed by the problem of incentives arising due to moral hazard and adverse selection.

**Basic References:** K. J. Arrow, *The Limits of Organization*; C. B. McGuire & R. Radner (Eds.), *Decision and Organization*.

**Public Economics:** The programming approach to optimality and equilibrium. The Diamond-Mirrlees Theorems, productive efficiency and optimal taxation. Externalities and public goods. Revelation of preferences and incentive compatibility. Accounting prices and Social Benefit-Cost analysis.

**Intertemporal Economics:** Exhaustible resources, optimum population growth and intergenerational equality.

**Examination Arrangements:** In AME I the entire assessment is based on the candidate's performance in

a three-hour examination held in the Summer Term. The paper is divided into five sections. Each section corresponds to one of the lecture courses offered for that paper and contains three questions relating to that course. Candidates must answer four questions chosen from at least three sections. No credit is given for attempting more than four questions or for attempting more than the permitted number of questions from each section. Candidates are expected to answer all questions fully and will be penalized for not answering any part of a question.

**Ec2590****Preliminary Year Macroeconomics**

**Teacher Responsible:** To be announced.

**Course Intended Primarily for** students admitted to the M.Sc. Economics Preliminary Year programme.

**Scope:** The aim of the course is to provide students with a grounding in macroeconomics sufficient to proceed directly to Ec2402 or Ec2403.

**Syllabus:** Analysis of the determination of the level of employment, the price level and its rate of change, and exchange rates. The first part of the course will focus on the similarities and contrasts between Keynesian and classical models of the economy. The second half will develop the properties of more recent syntheses of these models.

**Pre-Requisites:** Admission to the Preliminary Year M.Sc. programme.

**Teaching Arrangements:** There is one lecture course (Ec203) consisting of 20 lectures in the Michaelmas and Lent Terms and 24 accompanying classes (sessional).

**Reading List:** R. Dornbusch and S. Fischer,

*Macroeconomics* is the recommended text. Supplementary readings will be recommended at the beginning of the course.

**Examination Arrangements:** One two-hour closed-book written examination held in the Summer Term.

**Ec2591****Preliminary Year Microeconomics**

**Teacher Responsible:** Dr. M. Perlman, Room S675

**Course Intended Primarily for** students admitted to the M.Sc. Economics Preliminary Year programme.

**Scope:** The aim of the course is to provide students with a grounding in microeconomics sufficient to proceed directly to Ec2404 or Ec2405.

**Syllabus:** The allocation of resources under a system of exclusive private property rights. The effects of interventions by Government in the functioning of that system. Economic bases for the normative assessment of the private property rights system, of imperfections in it, and of deviations from it.

**Pre-Requisites:** Admission to the Preliminary Year M.Sc. programme.

**Teaching Arrangements:** There is one lecture course (Ec202) consisting of 20 lectures in the Michaelmas and Lent Terms and 24 accompanying classes (sessional).

**Reading List:** The main textbook for the course is D. Laidler, *Introduction to Microeconomics*. Further reading will be given at the beginning of the course. Those students who have had very little economics previously are strongly advised to read the relevant chapters of Lipsey before going on to the assigned readings.

**Examination Arrangements:** One two-hour closed-book written examination held in the Summer Term.

**ECONOMIC HISTORY**

The section is in two parts. The first part lists the lectures and seminars given by the department. The list provides a cross reference to the Study Guide(s) in which the syllabus and the reading list associated with the lecture or seminar can be found. The second part contains the Study Guides, presented in Study Guide number sequence.

**Lectures and Seminars**

<i>Lecture/ Seminar Number</i>			<i>Study Guide Number</i>
EH100	<b>The Economic History of Great Britain and the U.S.A., 1850-1939</b> Mr. D. E. Baines and Mr. J. Potter	24/MLS	EH1600
EH101	<b>Modern British Society in Historical Perspective</b> Professor T. C. Barker, Dr. P. Earle, Dr. E. H. Hunt, Mr. M. Falkus, Professor L. Hannah and Dr. P. Johnson	24/MLS	EH1601
EH102	<b>Society and Economy of Early Modern England</b> Dr. P. Earle	20/ML	EH1626
EH103	<b>Economic and Social History of Britain from 1815</b> Dr. E. H. Hunt	20/ML	EH1630
EH104	<b>Family and Community in Britain Since 1830</b> Dr. P. Johnson	20/ML	EH1631
EH106	<b>Economic History of the U.S.A. from 1783</b> Mr. J. Potter and Dr. S. J. Kleinberg	28/MLS	EH1641; EH2615; EH2660
EH107	<b>Modern British Business in Historical Perspective, 1900-1980</b> Dr. G. G. Jones and others	25/MLS	EH1660
EH108	<b>Economic History of England, 1216-1603</b> Dr. A. R. Bridbury	20/ML	EH1620
EH109	<b>A Comparative Study of Modern Economic Development in Russia, Japan and India</b> Mr. M. Falkus and Dr. G. G. Jones	20/ML	EH1643
EH110	<b>Latin America and the World Economy</b> Dr. C. M. Lewis	24/MLS	EH1644
EH111	<b>Introduction to Quantitative Methods in Economic History</b> Mr. J. Potter and Dr. W. P. Kennedy	22/MLS	EH111
EH113	<b>Economic and Social History of England, 1377-1485</b> Dr. A. R. Bridbury	24/MLS	EH1720; EH2640
EH114	<b>The Economy and Society of London, 1600-1800</b> Dr. P. Earle	20/ML	EH1726; EH2646
EH115	<b>The Peopling of America</b> Mr. J. Potter	25/MLS	EH1727

<i>Lecture/ Seminar Number</i>			<i>Study Guide Number</i>
EH116	<b>The Development of the International Economy, 1870-1914</b> Mr. M. Falkus	25/MLS	EH1728
EH117	<b>Problems in Quantitative Economic History</b> Dr. W. P. Kennedy	25/MLS	EH1750
EH118	<b>Britain and the International Economy, 1919-64</b> Mr. D. E. Baines	25/MLS	EH1740; EH2655
EH119	<b>The Economy of England, 1350-1500</b> (Intercollegiate Class) Dr. A. R. Bridbury	30/MLS	EH1770
EH120	<b>Life and Labour in London, 1880-1920</b> Dr. P. Johnson	20/ML	EH1729
EH130	<b>British Labour History, 1815-1939</b> Mr. D. E. Baines and Dr. E. H. Hunt	25/MLS	EH2700; Id4222
EH131	<b>History of Transport from the Turnpike to the Motorway</b> Professor T. C. Barker	25/MLS	EH2701; Gy2824
EH132	<b>The Sources and Historiography of the Economic History of England, 1350-1500 — Seminar</b> Dr. A. R. Bridbury	25/MLS	EH2600
EH133	<b>The Sources and Historiography of the Economic History of England in the 17th Century — Seminar</b> Dr. P. Earle	25/MLS	EH2605
EH134	<b>The Sources and Historiography of British Economic History from the later 18th Century — Seminar</b> Professor T. C. Barker and Dr. W. P. Kennedy	24/MLS	EH2610
EH135	<b>Workshop in Economic History Research</b> Dr. W. P. Kennedy and others	12/MLS	EH135
EH136	<b>The Sources and Historiography of the Economic History of the U.S.A., 1890-1930 — Seminar</b> Mr. J. Potter and Dr. S. J. Kleinberg	30/MLS	EH2615
EH138	<b>Economic History of the 16th and 17th Centuries — Seminar</b> Dr. P. Earle	12/MLS	EH138
EH139	<b>Seminar on Modern Economic History</b> Professor T. C. Barker and Mr. M. Falkus	10/ML	EH139
EH140	<b>The Population of the United States of America from Colonial Times to the Present</b> Mr. J. Potter	25/MLS	EH2710

Lecture/  
Seminar  
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EH141	<b>Economic History of the U.S.A. since 1873 — Seminar</b> Mr. J. Potter and Dr. S. J. Kleinberg	24/MLS	EH2660
EH142	<b>Aspects of Latin American Economic History Since Independence — Seminar</b> Dr. C. M. Lewis, Mr. M. Falkus	26/MLS	EH2715
EH143	<b>Quantitative Economic History Discussion Group</b> Mr. D. E. Baines, Dr. W. P. Kennedy and Professor Floud	12/MLS	EH143
EH144	<b>Modern Business History — Seminar</b> Professor L. Hannah	10/M	Ac2002; Ac2003
EH145	<b>The Latin American Experience of Economic Imperialism</b> Dr. C. M. Lewis, Mr. M. Falkus and Dr. G. G. Jones	20/ML	EH2780
EH146	<b>Growth, Poverty and Policy in the Third World Since 1850</b> Dr. C. M. Lewis	25/MLS	EH2790
EH147	<b>The Brazil Workshop</b> Dr. C. M. Lewis	12/MLS	EH147
	<b>Long Essay in Social or Economic History</b> All members of the Economic History Department		EH1799

## Study Guides

EH111  
**Introduction to Quantitative Methods in Economic History**

Teachers Responsible: **Mr. J. Potter**, Room C420 and **Dr. W. P. Kennedy**, Room C319 (Secretary, Mrs. Barbara Mistry, C321, Ext. 368)

Course Intended Primarily for B.Sc. (Econ.) Part II; graduate students in Economic History and others interested.

Syllabus: Will be given during the course.

Teaching Arrangements: 22 lectures (EH111), Sessional.

Recommended Reading: Will be given during the course.

Examination Arrangements: This course is not examined.

## EH135

**Workshop in Economic History**

Teachers Responsible: **Professor T. C. Barker**, Room C222, **Dr. W. P. Kennedy**, Room C319 and others (Secretary, Ms. Jenny Law, C419)

Course Intended Primarily for Research students and M.Sc.

Teaching Arrangements:

(i) For Research students:

Fortnightly, Michaelmas and Lent Terms.

(ii) For M.Sc.:

Fortnightly. Sessional.

Examination Arrangements: This course is not examined and is not intended as preparation for any particular examination.

## EH138

**Economic History of the Sixteenth and Seventeenth Centuries (Seminar)**

Teacher Responsible: **Dr. Peter Earle**, Room C422 (Secretary, Ms. Jenny Law, C419)

Course Intended Primarily for Research students.

Teaching Arrangements: Fortnightly seminars (EH138), Michaelmas, Lent and Summer Terms, at the Institute of Historical Research.

Examination Arrangements: This course is not examined and is not intended as preparation for any particular examination.

## EH139

**Seminar on Modern Economic History**

Teacher Responsible: **Professor T. C. Barker** Room C222, and **Mr. M. E. Falkus**, Room C314 (Secretary Ms. Jenny Law, C419)

Course Intended Primarily for Research students.

Teaching Arrangements: Fortnightly seminars (EH139), Michaelmas and Lent Terms, at the Institute of Historical Research.

Examination Arrangements: This course is not examined and is not intended as preparation for any particular examination.

## EH143

**Quantitative Economic History Discussion Group**

Teachers Responsible: **Dr. W. P. Kennedy**, Room C319 and **Mr. D. E. Baines**, Room C414 (Secretary, Mrs. Barbara Mistry, C321, Ext. 368) and **Professor R. Floud**, Birkbeck College.

Course Intended Primarily for any interested students.

Teaching Arrangements: Fortnightly seminars (EH143), Sessional.

Examination Arrangements: This course is not examined and is not intended as preparation for any particular examination.

## EH147

**Brazil Workshop**

Teacher Responsible: **Dr. C. M. Lewis**, Room C320 (Secretary, Mrs. T. Truman, C321, Ext. 368)

Course Intended Primarily for Research students.

Teaching Arrangements: Fortnightly seminars (EH147), Sessional.

Examination Arrangements: This course is not examined and is not intended as preparation for any particular examination.

## EH1600

**Economic History of Great Britain and the USA 1850-1939**

Teachers Responsible: **Mr. D. E. Baines**, Room C414 and **Mr. J. Potter**, Room C420 (Secretary, Mrs. Tess Truman, C321, Ext. 368).

Course Intended Primarily for B.Sc. (Econ.) Part I but it may be taken at Part II level.

Scope: The course compares the economic development of Britain and the USA and the changes in the relationship between them. The course also examines the growth of the international economy and its breakdown after the First World War.

Syllabus: The British and American economies in 1850. The effects of differences in their economic and social environment. The Southern slave economy. The long and short run effects of the American Civil War in the USA. Changes in the economic relationships between the two countries. The causes of westward expansion in the USA. The growth of an international market in agricultural products and its effects on the British and American economies. The finance of industry in Britain and America. Reasons for the dominance of British trade before the First World War. The relative efficiency of British and American industry and the growth of mass production. The causes and consequences of immigration into the USA. The long and short run effects of the First World War. Changes in the role of government. The British and American economies in the 1920s. The causes of the American slump of 1929 and the international crisis. British and American recovery from the 1930s depression. A comparison of the growth of trade unions.

Pre-Requisites: There are no formal pre-requisites for the course and no previous knowledge is assumed. It is assumed that most students will also concurrently be following a course in economics.

**Teaching Arrangements:** Lectures: There is one lecture course (EH100) with 24 lectures in the Michaelmas, Lent and Summer Terms. The lectures are shared by **Mr. Baines** and **Mr. Potter**. **Mr. Baines** lectures on Britain and the international economy and **Mr. Potter** on the USA – usually in alternate weeks. A lecture programme will be circulated at the first meeting. Classes: The lectures are accompanied by weekly classes (EH100a) sessional. Classes are given by several different teachers. They do not necessarily deal with the same topics each week but they all cover the same ground.

**Written Work:** Students are expected to present five essays or class papers during the year.

**Reading List:** The following are particularly useful. B. W. Poulson, *Economic History of the United States*; R. M. Robertson & G. M. Walton, *History of the American Economy*; P. Mathias, *The First Industrial Nation*; D. H. Aldcroft, *The British Economy Between the Wars*.

Other useful books are:

A. G. Kenwood & A. L. Locheed, *The Growth of the International Economy, 1820-1960*; J. Potter, *The American Economy between the World Wars*; M. Jones, *American Immigration*; E. Hobsbawm, *Industry and Empire 1750-1950*; A. W. Coats and R. M. Robertson (Eds.), *Essays in American and Economic History*; L. J. Williams, *Britain and the World Economy, 1919-70*; A. Milward, *The Economic Effects of the World Wars on Britain* (Pamphlet); P. Fearon, *The Origins of the Great Slump, 1929-33* (Pamphlet); R. Floud & D. McClosky (Eds.), *The Economic History of Britain Since 1700 Volume 2 1860 to the 1970s*.

(There is a fuller reading list available and list of class topics in the Library.)

**Examination Arrangements:** There is a 3 hour examination containing 10 questions of which 4 have to be answered. About half of the questions are comparative.

Both Part I and Part II students take the same examination but Part II candidates are marked to a higher standard.

Past examination papers are available from C419.

### EH1601

#### Modern British Society in Historical Perspective

**Teacher Responsible:** Professor T. C. Barker, Room C222 (Secretary, Ms. Jenny Law, C419)

**Course Intended Primarily for** B.Sc. (Econ.) Part I students.

**Scope:** The course examines in outline the historical background to the institutions and problems of present-day British society.

**Syllabus:** The course is in two parts. The first part provides an outline of British economic and social history since c. 1700, concentrating particularly on the past hundred years; the second part examines various modern institutions and problems in their historical context. Social, economic and demographic background to the Industrial Revolution; social and economic effects of the Industrial Revolution; the

demographic transition after 1870; changes and problems in British society and economy, 1870-1914; effects of World Wars on British society; the interwar years; social and economic change and problems since the Second World War; the changing nature of poverty; rise of big business; immigration; trade unions; unemployment; the growth of leisure and the media; motorization; changing role of women; class, the State and society.

**Pre-Requisites:** None.

**Teaching Arrangements:** Lectures: Weekly lectures (EH101) will be given by a variety of lecturers, each of whom is a specialist in his subject.

Classes: Each lecture is followed by a class (EH101a) in which students will have the opportunity to discuss the lecture, having read further about its subject-matter in the interval. Each class will have the same teacher throughout the session. Students are expected to prepare essays to be handed in at class and marked by class teachers. Each student should write four or five essays in the session.

**Reading List:** There is no single textbook which covers the whole course satisfactorily and the lectures themselves are intended to serve this purpose. The following is a list of general books which can be used to provide background to the detailed readings which are provided for each week's class topic.

E. H. Hunt, *British Labour History, 1815-1914*; Theo Barker & Michael Drake (Eds.), *Population and Society in Britain, 1850-1980*; François Bedarida, *A Social History of England 1851-1975*; Harold Perkin, *Origins of Modern English Society, 1780-1880*; Eric Hobsbawm, *Industry and Empire: an Economic History of Britain since 1750*; S. Pollard, *Development of the British Economy, 1914-67*; A. S. Milward, *Economic Effects of the World Wars on Britain*; A. Marwick, *Britain in the Century of Total War: war, peace and social change, 1900-67*; J. F. Wright, *Britain in the Age of Economic Management*; Eric J. Thompson (Ed.), *Social Trends*, No. 10 (Central Statistical Office 1980); A. H. Halsey, *Change in British Society*.

**Supplementary Reading List:** A detailed handout will be issued at the beginning of the course. This lists lectures and class topics and the readings for each class. Xeroxed copies of the specified readings will be available on request at the Reserve Counter in the Main Library.

**Examination Arrangements:** There is a three-hour formal examination after the end of the course in which four questions have to be answered out of a choice of twelve. Previous years' examination papers are available from C419.

### EH1620

#### Economic History of England 1216-1603

**Teacher Responsible:** Dr A. R. Bridbury, Room C315 (Secretary, Mrs Tess Truman, C321, Ext. 368)

**Course Intended Primarily** to be taken as an original paper by B.Sc. (Econ.) students in their second or third year.

**Scope:** This paper surveys the interaction of market forces with a feudal social structure that shows what

developments took place in town and countryside when violent demographic changes dissolved many feudal ties and industrialisation created new opportunities in society. It then shows how society responded to a renewal of demographic pressure in the sixteenth century.

**Syllabus:** Manorial structures and estate management; peasant life and village communities; the function and influence of towns; internal and foreign trade; industrial organisation; pestilence and famine; the dissolution of the manorial demesne and the rise of the copyholder; the expansion of clothmaking; the impact of Reformation and enclosure movements on the land; social and economic consequences of inflation and demographic recovery.

**Pre-Requisites:** No previous knowledge of the subject is necessary.

**Teaching Arrangements:** The course consists of weekly lectures (EH108) and classes (EH108a) throughout the Michaelmas and Lent Terms. Students are encouraged to hand in short papers on topics prepared for discussion in class as often as they can find time to prepare them. None of these papers is read out in class.

**Written Work:** At least one thoroughly prepared essay per term.

**Reading List:** An annotated reading list will be provided at the start of the course. There are two good introductory studies: J. Bolton, *The Medieval English Economy*; E. Miller & J. Hatcher, *Medieval England*. For important work on particular problems, see:

E. M. Carus-Wilson, *Essays in Economic History*, Vol. II; Eileen Power, *The Medieval Wool Trade*; Z. Razi, *Life, Marriage and Death in a Medieval Parish*; R. A. L. Smith, *Canterbury Cathedral Priory*; P. D. A. Harvey, *A Medieval Oxfordshire Village*.

**Examination Arrangements:** Three-hour formal examination.

### EH1626

#### Society and Economy of Early Modern England

(Not available 1986-87)

**Teacher Responsible:** Dr. Peter Earle, Room C422 (Secretary, Ms. Jenny Law, C419)

**Course Intended Primarily for** B.Sc. (Econ.) students specialising in Economic History 2nd year; other B.Sc. (Econ.) students as optional course 2nd or 3rd year.

**Scope:** The course examines in outline the social and economic history of England between the late sixteenth and early nineteenth centuries.

**Syllabus:** Demography, social structure and mobility; village life and town life; the family and the role of women in society; education, literacy, popular culture and recreation; ideology and mentality, law and order, crime and social conflict. The organization of work and the labour market; agriculture, protoindustrialization, urbanization and the beginning of industrialization; inland and foreign trade and communications and the growth of a consumer society.

**Pre-Requisites:** None.

**Teaching Arrangements:**

Lectures: Weekly lectures (EH102 ML) given by Dr. Earle.

Classes: Weekly classes (EH102a ML) also given by **Dr. Earle**.

Some classes are broadly linked to the lectures, some are designed to cover topics not discussed in lectures. Each week, two or more students are required to prepare a paper and to lead a discussion on a specific topic. Each student is expected to do some background reading for each class and to prepare four or five papers in the course of the session.

**Reading List:** There is no satisfactory textbook covering the whole course. Textbooks, both in social and economic history tend to cover either the period up to about 1700 or the period of the Industrial Revolution (roughly 1700-1850). Students are recommended to buy at least two textbooks to cover the whole period but to make their choice after they have sampled the books in the library. Peter Laslett, *The World We Have Lost*; Keith Wrightson, *English Society, 1580-1680*; B. A. Holderness, *Pre-Industrial England: Economy and Society, 1500-1700*; M. Anderson, *Approaches to the History of the Western Family, 1500-1914*; L. Stone, *The Family, Sex and Marriage in England, 1500-1800*; Rosemary O'Day, *Education and Society, 1500-1800*; E. A. Wrigley & R. S. Schofield, *The Population History of England, 1541-1871*; D. Cressy, *Literacy and the Social Order: Reading and Writing in Tudor and Stuart England*; Keith Thomas, *Religion and the Decline of Magic: Studies in Popular Beliefs in Sixteenth and Seventeenth-Century England*; M. Spufford, *Small Books and Pleasant Histories: Popular Fiction and its Readership in Seventeenth-Century England*; Peter Mathias, *The First Industrial Nation*; Roy Porter, *English Society in the Eighteenth Century*; R. W. Malcolmson, *Life and Labour in England, 1700-1780*; Harold Perkin, *The Origins of Modern English Society, 1780-1880*; Peter Earle, *The World of Defoe*; Douglas Hay et al., *Albion's Fatal Tree: Crime and Society in Eighteenth-Century England*; J. S. Cockburn (Ed.), *Crime in England, 1550-1800*; E. J. Hobsbawm, *The Age of Revolutions, 1789-1848*; Clive Emsley, *British Society and the French Wars, 1793-1815*; Neil Kendrick (Ed.), *The Birth of a Consumer Society*; Geoffrey Holmes, *Augustan England: Professions, State and Society, 1680-1730*.

**Supplementary Reading List:** Students should note that most of the books recommended above are textbooks or books of a general nature that provide an introduction to the course. In preparing class papers and essays, students will be expected to be familiar with the more specialized literature – often recent articles in periodicals – on specific topics. A detailed reading list will be handed out together with the list of topics at the beginning of the course.

**Examination Arrangements:** Three-hour formal examination in the Summer Term.

### EH1630

#### Economic and Social History of Britain from 1815

**Teacher Responsible:** Dr. E. H. Hunt, Room C415 (Secretary, Ms. Jenny Law, C419)

**Course Intended Primarily for** B.Sc. (Econ.) Part II; B.Sc. c.u.

**Syllabus:** The course surveys the main aspects of British economic and social history since 1815 with some emphasis upon the reasons for Britain's economic pre-eminence up to the 1870s and the causes of economic decline over the last century. For further details see the list of lecture and class topics available from **Dr. Hunt** or Jenny Law.

**Pre-Requisites:** This is a non-specialist survey course taken by second and third-year undergraduates, some of whom are not taking any other courses in economic history. Most of those who take the course have some prior knowledge of Britain's recent history and some acquaintance with economics, but the course has been taken successfully by students with neither.

**Teaching Arrangements:** Classes (EH103a) and lectures (EH103) are held weekly and students should attend both. Class topics are generally complementary to the lecture syllabus and some classes supplement particular lectures. For times of classes and lectures, and room numbers, see the posted timetables.

**Written Work:** A minimum of 4 essays or written class papers is required.

**Reading List:** The course reading list is deposited in the Library and copies are available from **Dr. Hunt** or Jenny Law. As in most history courses, students are not expected to read deeply upon every part of the syllabus, but to read selectively, concentrating upon topics appropriate to their academic and vocational interests. For this reason there is no "minimal reading list" although the books and articles that are likely to be found especially useful are indicated on the course reading list. These indicated items should be found in the Teaching Library as well as the Main Library. Recommended general books, of interest to students who want to anticipate, or to sample, the course, are the following. These are also the books that students are most likely to find worth buying.

P. Mathias, *The First Industrial Nation* (1983); D. H. Aldcroft, *The British Economy Between the Wars 1815-1914*, (1981); L. J. Williams, *Britain and the World Economy 1919-70* (1971); M. J. Weiner, *English Culture and the Decline of the Industrial Spirit* (1981). The booklets by Alford, Gourvish, Milward, Musson and Saul in the Macmillan *Studies in Economic and Social History* series.

**Examination Arrangements:** A three hour formal examination in the Summer Term. Four questions to be selected from a wide choice of questions. Past examination papers can be obtained from C419.

### EH1631

#### Family and Community in Britain Since 1830

**Teacher Responsible:** **Dr. Paul Johnson** (Secretary, Mrs. Tess Truman, C321, Ext. 368)

**Course Intended Primarily for** B.Sc. (Econ.) students specialising in Economic History 2nd year; other B.Sc. (Econ.) students as optional course 2nd or 3rd year.

**Scope:** The course examines the impact on British society of urban growth and industrial development since 1830.

**Syllabus:** Social change is studied by looking at developments in the structure and function of family and community groups from the early years of the industrial revolution to the modern 'post-industrial' world. Among the topics covered are: Urban development and class formation; children's employment; education and social control; domestic servants and female workers; prostitution and the 'double standard'; middle-class suburban development; town planning; the remaking of the working class 1870-1914; professional sport and commercialised leisure; religion and the decay of urban churches; the people's health; urban poverty and rural romanticism; the decline in fertility and the liberation of women; philanthropy and self-help; municipal socialism; the role of the workplace in community development; the social impact of the First World War; long-run changes in relative welfare; unemployment and demoralisation; holidays and landladies; the mass media; the decline of aristocratic influence; 'traditional' communities and the rise of the nuclear family; the welfare state.

**Pre-Requisites:** None.

**Teaching Arrangements:** There are weekly lectures (EH104) and classes (EH104a) in the Michaelmas and Lent Terms. A list of class topics will be distributed at the start of the course.

**Reading List:** A detailed reading list covering class and lecture topics will be handed out at the start of the course. Students are not expected to look at all the works listed, but they should cover their selected topics in considerable depth. The following books provide a brief introduction to the course: Theo Barker & Michael Drake (Eds.), *Population and Society in Britain, 1850-1980*; Francois Bedarida, *A Social History of England 1851-1975*; A. H. Halsey, *Change in British Society*; Paul Thompson, *The Edwardians*; John Scott, *The Upper Classes*; Standish Meacham, *A Life Apart*; J. H. Treble, *Urban Poverty in Britain*; Robert Roberts, *The Classic Slum*; Maud Pember Reeves, *Round About A Pound A Week*.

**Examination Arrangements:** There is a three-hour formal examination in the Summer Term. The paper contains 12 questions, any four of which are to be attempted.

### EH1641

#### Economic History of the USA from 1783

**Teachers Responsible:** **Mr. J. Potter**, Room C420 and **Dr. S. J. Kleinberg**, Room C316 (Secretary, Mrs. Barbara Mistry, C321, Ext. 368)

**Course Intended Primarily for** B.Sc. (Econ.) VIII Economic History; B.Sc. (Econ.) Other Part II students; B.Sc. c.u.

**Scope:** Following a brief introduction to the American economy during the Colonial Period, the course examines American economic experience as a case study in economic development and studies the main themes of American economic history from the achievement of nationhood to the present.

**Syllabus:** Economic problems and policies in the first decades of the American republic. Consideration of factors influencing American economic development before and during the Civil War; the frontier and access

to natural resources; supply of capital and the evolution of financial institutions; supply and recruitment of labour; invention and innovation.

Developments in transport, agriculture and industry; the financing and construction of canals and railroads; the disposal of public lands and the westward movement; the first phase of growth in manufacturing. Governments and economic life; federal and state finance; role of governments in the growth of the economy. The USA and the outside world; Atlantic economy; trade and shipping; migration and capital importation; economic fluctuations.

The aftermath of the Civil War. The completion of railroad building and territorial settlement. Agricultural expansion: foreign and domestic markets.

Population: immigration; geographic dispersion and occupational structure; labour and trade unions.

Regional variations: economic problems of the agrarian West and South; growth of industries in new areas; distribution and marketing. The capital market. Urbanisation. The rise of modern industry in the U.S.A.; changes in industrial structure; mass production and mass marketing. New means of transport and new forms of industrial energy.

Role of governments in economic life. Protest movements; populism and progressivism and the response of government. The First World War and its consequences. The U.S. economy in the 1920s: achievements and problems. Economic and other aspects of the New Deal. The American economy since 1945.

**Pre-Requisites:** An outline knowledge of American history is desirable, but not essential. Similarly, familiarity with simple economic concepts is desirable, but not essential. B.Sc. (Econ.) Part II students who have taken the course EH100 as Part I (**The Economic History of Great Britain and the USA 1850-1939**) are not debarred from taking this course at Part II, but EH100 is not an essential pre-requisite. General Course students may take both EH100 and EH106.

**Teaching Arrangements:** The course is divided into three parts and students taking the final examination must take all three parts. Part i and Part ii of the course are available to Single-Term students during the Michaelmas and Lent Terms respectively.

**Part (i) 1790-1865;** Michaelmas Term: one lecture and one class per week.

**Part (ii) 1865-1930;** Lent Term: one lecture and one class per week.

**Part (iii) since 1930;** Summer Term: Eight or more meetings of 1½ hours consisting of talks on selected topics by different speakers followed by discussion; meetings held thrice weekly during the first three weeks of the Summer Term. Classes will also continue for the first four weeks of the Summer Term.

Lectures (EH106) and classes (EH106a) for Part (i) and Part (ii) of the course are given by **Mr. Potter** and **Dr. Kleinberg**. In Part (iii) of the course lectures will also be given by outside speakers.

**Written Work:** All students joining the classes for the course will be required to give class papers and submit written essays to their class teacher.

**Reading List:** (Textbooks)

W. Brownlee, *Dynamics of Ascent: History of the American Economy* (2nd edn.), 1979; L. W. Davis, J.

R. T. Hughes & D. M. McDougall, *American Economic History*, 1961; L. E. Davis & others, *American Economic Growth*, 1972; E. C. Kirkland, *A History of American Economic Life* (4th edn.) 1969; S. P. Lee & P. Passell, *A New Economic View of American History*, 1979; A. W. Niemi, *U.S. Economic History* (2nd edn.) 1980; B. W. Poulson, *Economic History of the United States*, 1981; R. M. Robertson & G. M. Walton, *History of the American Economy*, 1979; H. N. Schieber, H. G. Vatter & H. U. Faulkner, *American Economic History*, 1976; S. Ratner, J. H. Soltow & R. Sylla, *The Evolution of the American Economy*, 1979.

**Examination Arrangements:** One three-hour examination held in June. The examination paper consists of twelve questions out of which any four must be answered.

### EH1643

#### A Comparative Study of Modern Economic Development in Russia, Japan and India

**Teachers Responsible:** **Mr. M. E. Falkus**, Room C314 and **Dr. Geoffrey Jones**, Room C313 (Secretary, Mrs. Barbara Mistry, C321, Ext. 368)

**Course Intended Primarily for** B.Sc. (Econ.) 2nd or 3rd Year.

**Scope:** The paper surveys the economic development of Russia, India and Japan over the last two hundred years.

**Syllabus:** The course will cover the broad trends in the economic development of Russia, Japan and India during the 19th and 20th centuries. The emphasis will be comparative, and the course will concentrate on the particular problems of economic growth. Particular attention will be paid to the impact of the international economy, and to the political environment in which development has taken place.

**Pre-Requisites:** None.

**Teaching Arrangements:** Lectures: There are weekly lectures (EH109) in the Michaelmas, Lent and Summer Terms. These lectures are designed to provide a course outline, and attendance is strongly advised.

Classes: There are also weekly classes (EH109a), which are broadly linked to the lectures but which are designed to discuss topics in more detail than the lectures. The general format is that in each class a student presents a paper on a specific topic, which is followed by a general discussion. Attendance at every weekly class is expected, and students are also expected to have some background reading before the class. A list of the class topics covered in the course, and the recommended reading for each topic, will be given out at the first class of the course. All lectures and classes are taken either by **Dr. G. Jones** or **Mr. Falkus**. The teachers may cover different topics in their classes, a procedure which helps to reduce pressure on specific reading material in any one week. The teachers are available to see students during their office hours (see notices on their doors), or at other times by appointment.

**Written Work:** Students will be expected to present one essay to their class each term, which will be handed in for marking after the class. In addition, students are



encouraged to write at least two other essays during the course.

**Reading List:** There is no general textbook covering the whole course. However, there are a number of books providing good general surveys of the economic development of the three countries (those marked with an asterisk\* are in cheap paperback editions and the student may find it convenient, although not absolutely necessary to purchase their own copies).

\*G. C. Allen, *A Short Economic History of Modern Japan*; \*N. Charlesworth, *British Rule and the Indian Economy, 1800-1914*; P. Chaudhuri, *The Indian Economy: Poverty and Development*; \*M. Falkus, *The Industrialisation of Russia, 1700-1914*; \*J. Hirschmeier & T. Yui, *The Development of Japanese Business* (2nd ed., 1981); W. W. Lockwood, *The Economic Development of Japan*; T. Nakamura, *The Postwar Japanese Economy*; \*A. Nove, *An Economic History of the USSR*; \*R. K. Ray, *Industrialisation in India, 1914-1947*; B. R. Tomlinson, *The Political Economy of the Raj, 1914-1947*.

**Supplementary Reading List:** It is important for students to note that the books on the recommended reading list are only designed to provide a general introduction to the course. In preparing class papers and essays, student will be expected to be familiar with the more specialised literature – often recent articles in journals – on specific topics. The class reading lists circulated at the beginning of the year will provide the references to this literature.

**Examination Arrangements:** There is a three-hour formal examination in the Summer Term. The paper contains 17 questions, of which four are to be answered. About one quarter of the questions are comparative, and the rest of the questions are on one of the three countries. The questions are closely related to the topics covered in the classes. Copies of previous years' papers are available from C419.

## EH1644

**Latin America and the World Economy**

**Teacher Responsible:** Dr. Colin M. Lewis, Room C320 (Secretary, Mrs. Tess Truman, C321, Ext. 368)

**Course Intended Primarily for** B.Sc. (Econ.), B.Sc. c.u.

**Scope:** The course examines the nature of Latin America's evolving relationship with the international economy since the mid-nineteenth century.

**Syllabus:** Locating current development problems within an historical context, the programme will test recent controversies – from the Platt/Steins dependency debate to the discussion about the new international economic order – with reference to specific issues and case-studies. The principal themes addressed include: the political economy of incorporation within the world economy – alternative development strategies; domestic structures and patterns of overseas trade; population and natural resource; urbanisation; migration and social change; agriculture – land usage and agrarian reform; industrialisation – national capital and multinational corporations; wars, depressions and crises; the state, ECLA and regional co-operation; foreign economic policy; authoritarian regimes – economic policies and performance.

**Pre-Requisites:** None.

**Teaching Arrangements:** Parallel programme of lectures (EH110) and class (EH110a) (one hour each per week) MLS.

Lectures: Weekly data handouts.

Classes: Weekly pre-circulated synopses of discussion topics.

**Written Work:** Four items of written work (class papers/vacation essays) to be produced during the session.

**Reading List:** C. Abel & C. M. Lewis (Eds.), *Latin America: Economic Imperialism and the State*; B. Albert, *South America and the World Economy*; F. H. Cardoso & E. Faletto, *Dependency and Development in Latin America*; K. Duncan, & I. Rutledge (Eds.), *Lands and Labour in Latin America*; R. French-Davis & E. Tironi (Eds.), *Latin America and the New International Order*; E. V. K. Fitzgerald et al., *The State and Economic Development in Latin America*; C. Furtado, *Economic Development of Latin America*; A. O. Hirschman, *A Bias for Hope*; Rh. O. Jenkins, *Dependent Industrialisation in Latin America*; D. C. M. Platt (Ed.), *Business Imperialism*; S. J. & B. H. Stein, *The Colonial Heritage of Latin America*; M. P. Todaro, *Economic Development in the Third World*; V. L. Urquidí & R. Thorp (Eds.), *Latin America in the International Economy*.

**Supplementary Reading List:** Detailed biographies will be distributed in connection with the lecture.

**Examination Arrangements:** One three-hour examination.

## EH1660

**Modern British Business in Historical Perspective**

**Teacher Responsible:** Dr. Geoffrey Jones, Room C313 (Secretary, Mrs. Barbara Mistry, C321, Ext. 368)

**Course Intended Primarily for** B.Sc. (Econ.) Part II; B.Sc. c.u.; Dip. Acct.; Dip. Bus. Studies; others welcome.

**Syllabus:** This course attempts to integrate the writings of economists, sociologists, historians and others on the rise of "managerial capitalism" in the context of the twentieth century history of British business. Comparisons are made with the experience of other countries, particularly with Germany and America. Topics include the historical background to the rise of the corporate economy; advantages and disadvantages of large scale enterprise; rising industrial concentration; the divorce of ownership and control; multinationals; technology and science in business; the role of the state; the professionalisation of management and the recruitment of business leaders; developments in labour management; and the social responsibility of business. The course includes case studies of major British firms as well as a thematic treatment of major issues in interpreting the modern corporation.

**Pre-Requisites:** None.

**Teaching Arrangements:** EH107 weekly lectures from the 1st week of the Michaelmas Term to the 5th week of the Summer Term. The first term focuses on Britain's economic decline and the background to British business history; subsequently more specific themes

are investigated. As no textbook for this new topic is available, lectures are essential.

EH107a classes related to the above, starting in the second week of the Michaelmas Term.

**Written Work:** Two orally-delivered papers and two separate written essays are required from each student in connection with the seminars.

**Reading List:** A full list will be distributed at the opening lectures and classes. It is also available from the Economic History Department (C321 where there is also a selection of the reading available) and the Business History Unit (R427).

The following are among the major recommendations: A. D. Chandler & H. Daems (Eds.), *Managerial Hierarchies*; J. Child, *The Business Enterprise in Modern Industrial Society*; C. Erickson, *British Industrialists: Steel and Hosiery, 1850-1950*; L. Hannah, *The Rise of the Corporate Economy*; S. J. Prais, *The Evolution of Giant Firms in Britain*; R. S. Sayers, *A History of Economic Change in England 1880-1939*; B. Supple (Ed.), *Essays in British Business History*; J. F. Wright, *Britain in the Age of Economic Management: An Economic History Since 1939*.

**Examination Arrangements:** There is a three-hour final examination in the Summer Term for the B.Sc. (Econ.). 4 out of 17 questions must be answered, and the assessment for the course is based upon the examination.

EH1720  
EH2640**Economic and Social History of England 1377-1485**

**Teacher Responsible:** Dr. A. R. Bridbury, Room C315 (Secretary, Mrs. Tess Truman, C321, Ext. 368)

**Course Intended Primarily for** B.Sc. (Econ.) Part II students and for M.Sc. students.

**Scope:** This course examines the adaptation forced upon the feudal structure by the violent demographic upheavals caused by the Black Death. It studies the effects of these upheavals upon each of the classes of society as well as upon the towns and upon government interests. And it surveys the economy that emerged from this fourteenth-century crisis, its demography, its village life, its commercial and industrial developments, its conflicts, and its regulation by central and local government.

**Syllabus:** Wage and price history; labour legislation; popular disturbances; the disappearance of the manorial demesne; changes in farming patterns; industrial development; urban protest and renewal; the life-style of the aristocratic, middle and peasant classes in the fifteenth-century; the Black Death as a demographic regulator; foreign policy and government finance; economic and social implications of foreign and civil war; the regulation of economic and social life; the role of aliens.

**Pre-Requisites:** It would be an advantage to have taken the paper **Economic History of England 1216-1603** before tackling this special subject.

**Teaching Arrangements:** There are 24 weekly classes (EH113) only.

**Written Work:** At least two thoroughly prepared essays per term.

**Reading List:** A full reading list will be provided at the start of the course.

**Examination Arrangements:** The examination consists of one three-hour paper.

EH1726  
EH2646**The Economy and Society of London, 1600-1800**

(Not available 1986-87)

**Teacher Responsible:** Dr. Peter Earle, Room C422 (Secretary, Ms. Jenny Law, C419, Ext. 371)

**Course Intended Primarily for** B.Sc. (Econ.) students specializing in Economic History 3rd year; M.Sc. students specialising in Economic History. Other students are welcome.

**Scope:** Social, economic and some cultural history of London in the seventeenth and eighteenth centuries. A specialized course which requires wide reading in contemporary printed sources.

**Syllabus:** Demography, immigration, health and medicine; economic growth and change, the industries of London, finance, banking and the rise of the City, inland trade and inland transport, the port and overseas trade, changes in consumption and the retail business; the rise of the professions, the merchant community, artisans and journeymen, poor relief and charity; apprenticeship, changing roles of London Livery Companies, government of the metropolis; topography, building, social structure and social geography; education and the growth of literacy; crime and police; the rise of the newspaper, entertainment and the commercialisation of leisure.

**Pre-Requisites:** Undergraduates are expected to have taken the course **Society and Economy of Early Modern England** in their second year.

**Teaching Arrangements:** Two-hour seminars (EH114) in C422. Time to be arranged at beginning of session.

**Reading List:** Very wide reading in both modern historical literature and in contemporary printed sources is necessary for success in this course. The list below is designed to provide a general background only. N. Brett-James, *The Growth of Stuart London* (1935); J. Summerson, *Georgian London* (3rd edn., 1978); G. Rude, *Hanoverian London, 1714-1808* (1971); D. George, *London Life in the Eighteenth Century* (1925); R. Finlay, *Population and Metropolis* (1981); P. G. M. Dickson, *The Financial Revolution in England* (1967); P. Earle, *The World of Defoe* (1976); G. Holmes, *Augustan England: Professions, State and Society, 1680-1730* (1982); P. Rogers, *Grub Street* (1972); N. McKendrick, *The Birth of a Consumer Society* (1982); R. C. Latham & W. Matthews, *Samuel Pepy's Diary* (1970-82); D. Defoe, *A Tour Through the Whole Island of Britain* (Everyman, 2 vols., 1927); D. Defoe, *The Complete English Tradesman* (1727); R. Campbell, *The London Tradesman*, (1747); A. S. Turberville, *Johnson's England* (1933).

**Supplementary Reading List:** A detailed list will be given to students at the beginning of the course.

**Examination Arrangements:** Three-hour formal examination in which three questions are to be answered.

EH1727

**The Peopling of America**

**Teacher Responsible:** Mr. J. Potter, Room C420 (Secretary, Mrs. Barbara Mistry, C321, Ext. 368)

**Course Intended Primarily for** B.Sc. (Econ.) Part II Papers 4 & 5, Special Subject, Economic History, 3rd Year. Other B.Sc. (Econ.) options. It is possible to write a Project as Paper 6 within the syllabus of the course. **Scope:** The course studies demographic aspects of American History since the first Census of 1790. Its intention is to examine the complexities of the question asked by de Crevecoeur in 1782: "What is an American?"

**Syllabus:** An introduction to the study of the population of America since 1790. Topics studied include: population growth rates and their variations and determinants over time and among regions; natural growth and immigration; the family in American life; age and sex structures, causes and consequences; slavery; ethnic groups, the frontier, internal mobility; urbanisation; the changing role of women. Case studies will be taken from among the topics listed. Emphasis will be placed on changes over time, and on geographical and ethnic diversity.

**Pre-Requisites:** The course assumes prior knowledge of the main outlines of American history. It will be an advantage, but not a requirement, for students to have taken, or be taking, Course EH106 and/or EH100. Prior knowledge of demographic theories and statistical methods is not necessary, but students are required to make use of statistical materials from the US Censuses.

**Teaching Arrangements:** The course is taught in seminars (EH115) of 90 minutes, meeting weekly during the Michaelmas and Lent Terms and for about five weeks of the Summer Term.

Lectures: There will be a combination of lectures and student papers throughout the year.

**Written Work:** All students are expected to submit at least two written essays, and two oral presentations to the class. One of the oral reports is a project based on direct use of one or more of the US Censuses.

**Reading List:** A full list is provided for all participants. The following bibliography is not inclusive, but is intended to indicate the standard and nature of the course. D. J. Bogue, *Population of the United States* (1985); K. Conzen, *Immigrant Milwaukee, 1836-80* (1976); N. F. Cott & E. H. Pleck (Eds.), *A Heritage of Her Own* (1979); C. N. Degler, *At Odds: Women and the Family in America from the Revolution to the Present* (1980); R. W. Fogel & S. L. Engerman, *Time on the Cross* (1974); C. N. Glaab & T. Brown, *The Black Family in Slavery and Freedom, 1730-1925* (1976); O. Handlin, *Boston's Immigrants, 1790-1865* (1941); T. K. Haroven & M. A. Vinovskis, *Family and Population in Nineteenth Century America* (1978); T. K. Haroven (Ed.), *Anonymous Americans* (1971); M. Holli & P. d'A. Jones, *The Ethnic Frontier* (1977); *Ethnic Chicago* (1981); P. D. McClland & R. J. Zeckhsusen, *Demographic Dimensions of the New Republic* (1982); Yans McLaughlin, *Family and Community: Italian Immigrants to Buffalo, 1880-1930* (1971); T. R. Malthus, *An Essay on the Principle of*

*Population* (1798); H. S. Nelli, *The Italians in Chicago, 1880-1930* (1970); G. Osofsky, *Harlem: The Making of a Ghetto* (1967); J. Potter, "The Growth of Population in America, 1700-1860" in D. V. Glass & D. E. C. Eversley, *Population in History* (1965); C. J. & I. R. Taeuber, *The Changing Population of the United States* (1958); S. Thernstrom, *Poverty and Progress: Social Mobility in a Nineteenth Century City* (1969); Y. Yasuba, *Birth Rates of the White Population in the United States, 1800-1860* (1962).

**Examination Arrangements:** One three-hour examination taken in June, requiring four questions to be answered.

**Project:** (Paper 6). The subject must be agreed with Mr. Potter in advance and a typed manuscript submitted to the Examinations Office by 1 May.

EH1728

**The Development of the International Economy 1870-1914**

**Teacher Responsible:** Mr. M. Falkus, Room C314 (Secretary, Mrs. Barbara Mistry, C321, Ext. 368)

**Course Intended Primarily for** B.Sc. (Econ.) students specialising in Economic History 3rd year, but other students are welcome.

**Scope:** The theme of this course is the growth and development of the international economy, concentrating on international trade, capital movements, and migration. Particular attention is paid to the economic relationships which evolved between the developed and less developed areas of the world.

**Syllabus:** The course will involve a study of the commodity and geographical structure of world trade; commercial policy; the development of international communications; the impact of transport improvements; international economic fluctuations and price movements; exports and imports of capital; the international currency system and the adoption of the gold standard; the 'staple' approach to the development of temperate lands; international migration; the international diffusion of innovation; the economic policies of colonial powers; the concept of "centre and periphery" in development; the spread of international labour movements; the early growth of multinational companies.

**Teaching Arrangements:** 25 weekly seminars, (EH116).

**Reading List:** A detailed reading list will be given at the beginning of the course. The following is a basic list of books: A. Kenwood & A. Lougheed, *The Growth of the International Economy, 1820-1960* (1971); W. Ashworth, *A Short History of the International Economy since 1850* (3rd edn., 1975); W. Woodruff, *Import of Western Man* (1966); M. R. Davie, *World Immigration* (1936); J. B. Condliffe, *The Commerce Nations* (1951); M. de Cecco, *Money and Empire: The International Gold Standard, 1890-1914* (1974); D. A. Farnie, *East and West of Suez: The Suez Canal in History* (1969); H. Feis, *Europe, the World's Banker, 1870-1914* (1930); A. J. Latham, *The International Economy and the Underdeveloped World, 1865-1914* (1978); M. E. Fletcher, "The Suez Canal and World Shipping" *Journal of Economic History*, 18, (1958); A. R. Hall (Ed.), *The Export of Capital from Britain,*

*1870-1914* (1968); W. A. Lewis (Ed.), *Tropical Development, 1880-1913* (1970); P. Lamartine Yates, *Forty Years of Foreign Trade* (1959); S. B. Saul, *Studies in British Overseas Trade, 1870-1914* (1960); C. G. Simkin, *The Traditional Trade of Asia* (1968); J. Forbes Munro, *Africa and the International Economy, 1800-1969* (1976); G. S. Graham, "The Ascendancy of the Sailing Ship, 1850-85" *Economic History Review*, 9 (1956); B. Thomas, *Migration and Economic Growth* (2nd edn., 1973).

**Examination Arrangements:** Three-hour formal examination.

EH1729

**Life and Labour in London, 1880-1920**

**Teacher Responsible:** Dr. Paul Johnson, Room C413 (Secretary, Mrs. Tess Truman, C321, Ext. 368)

**Course Intended Primarily for** B.Sc. (Econ.) students specializing in Economic History 3rd year. Other students are welcome.

**Scope:** The aim of this third-year course is to integrate the different aspects of social, economic and urban history by studying the development of London from the late Victorian period to the end of the First World War. Social life in the capital will be looked at by reference to the physical structure of the city and the economic functions of its inhabitants. Much of the course work will be based on original source material held in the L.S.E. Library.

**Syllabus:** The course will begin by examining the economic foundation of London life, the labour market, focusing on casual work and the sweated trades. It will move on to study some of the social consequences of the economic environment - poverty, overcrowding and disease - making particular use of Charles Booth's major survey of social life in the capital. Responses to social distress from charitable and religious organizations will be looked at, as will some of the broader changes in sanitation, housing and suburban development. The internal dynamics of working class community life will be examined by studying the growth of pubs and music halls, and by looking at the impact of Jewish immigration into East London. The complexity of class division will be seen through the actions of progressives in London County Council politics, the popular response to state events like coronations and funerals, and the ambivalent literary image of the East End purveyed by popular writers. The course will conclude with an assessment of the impact of the Great War on economic and social life in London.

**Pre-Requisites:** Undergraduates will normally be expected to have taken in their second year either *Economic and Social History of Britain from 1815* (EH1630) or *Family and Community in Britain since 1830* (EH1631).

**Teaching Arrangements:** There will be twenty two-hour (EH120) seminars in Michaelmas and Lent Terms. During the course, students will be expected to write 4 papers.

**Reading List:** A detailed reading list will be given to students at the beginning of the course; the books listed below will provide a good introduction:

Gareth Stedman Jones, *Outcast London* (1971); Donald J. Olsen, *The Growth of Victorian London* (1976); Anthony S. Wohl, *The Eternal Slum* (1977); Paul Thompson, *Socialists, Liberals and Labour* (1967); H. J. Dyos, *Victorian Suburb* (1961); Asa Briggs, *Victorian Cities* (1963); Raphael Samuel, *East End Underworld* (1981); Jerry White, *Rothschild Buildings* (1980).

**Examination Arrangements:** There will be a three-hour formal examination in the Summer Term, in which three questions are to be answered.

EH1740

EH2655

**Britain and the International Economy 1919-64**

**Teacher Responsible:** Mr. D. E. Baines, Room C414 (Secretary, Mrs. Tess Truman, C321, Ext. 368)

**Course Intended Primarily for** B.Sc. (Econ.) Part II Special Subjects Economic History, and Economics and Economic History 3rd year.

Other B.Sc. (Econ.) options.

M.Sc. Economic History.

Other students may attend with permission.

**Scope:** The course examines the development of the British economy since the First World War; the main changes in the international economy and their effect on Britain.

**Syllabus:** The long run effects of the First World War on Britain. The Gold Standard. Long run trends in British economic performance. The World Financial Crisis and the decline of international trade in the 1930's. British recovery in the 1930's and the significance of government policy. Changes in economic thought and its implementation. The nature of the war economy 1939-45. Bretton Woods and the post-war financial settlement. The United States in the World Economy. Economic management under the post-war Labour and Conservative governments. International trade and the Third World. The comparative economic performance of European countries, Housebuilding and housing policy. Regional income differentials. Trends in the structure of industry and business. Changes in social policy and the distribution of income.

**Pre-Requisites:** There are no formal requirements but students should have some background in economics and/or economic history. This course is a compulsory element in the special subject *Economics and Economic History*. Students taking this option will already have taken at least 2 Economics and 2 Economic History courses. Students will find it helpful to attend the lectures in *Economic and Social History of Britain since 1815*.

**Teaching Arrangements:** A minimum of 20 2-hour seminars (EH118) in the Michaelmas and Lent Terms. Papers to be discussed are xeroxed and circulated in advance. The M.Sc. and B.Sc. (Econ.) students attend the same class but if numbers are too great there will be separate classes.

**Written Work:** Students are expected to present at least 3 papers during the course. In addition, Mr. Baines will set and mark individual essays if required.

**Reading List:** The reading list is too long to give here but it can be consulted in the Library. There is a main reading list of about 25 books and 15 articles and a supplementary list of a further 60 books and 50 articles. *Some of the most useful books:* (\*=probably the best to purchase).

\*J. F. Wright, *Britain in the Age of Economic Management*, 1979; \*S. Pollard, *The Development of the British Economy, 1914-64*, 1967; R. Nurske, *International Currency Experience*, 1944; \*W. M. Scammel, *The International Economy since 1945*, 1980; \*C. P. Kindleberger, *The World in Depression, 1929-39*, 1973; B. W. E. Alford, *Prosperity and Depression*, 1972; S. Howson, *Domestic Monetary Management in Britain, 1919-38*, 1975; D. Winch, *Economics and Policy*, 1969; L. Hannah, *The Rise of the Corporate Economy*, 1976; A. S. Milward, *The War Economy, 1939-45*, 1977; G. D. N. Worswick & P. M. Adey, *The British Economy, 1945-50*, 1952; *The British Economy in the 1950's*, 1962; A. K. Cairncross, *Factors in Economic Development*, 1962; J. C. R. Dow, *The Management of the British Economy, 1945-1960*; R. M. Titmuss, *Problems of Social Policy*; H. G. Johnson, *The World Economy at the Crossroads*, 1965; L. J. Williams, *Britain and the World Economy, 1919-1970*, 1971; A. Boltho (Ed.), *The European Economy*, 1982; R. C. O. Matthews, C. H. Feinstein, K. T. C. Odling-Smee, *British Economic Growth, 1856-1973*, 1982; J. Foreman-Peck, *A History of the World Economy*, 1983; A. Milward, *The Reconstruction of Europe, 1945-51*, 1984.

**Articles:** M. E. Falkus, 'US Economic Policy and the Dollar Gap of the 1920's' *Economic History Review*, 1971; J. Dowie, 'Growth in the Inter-War Period: Some More Arithmetic' *Economic History Review*, 1968; D. Williams, 'London and the 1931 Financial Crisis' *Economic History Review*, 1963; R. Nurkse, 'International Investment Today in the Light of Nineteenth Century Experience' *Economic Journal*, 1954; R. C. O. Matthews, 'Why Growth Rates Differ' *Economic Journal*, 1969.

**Examination Arrangements:** There is one 3 hour examination. The paper for B.Sc. (Econ.) students is taken in June. It contains about 16 questions of which 3 are to be answered. The paper for the M.Sc. students is taken in September. It contains about 12 questions of which 3 are to be answered. Past examination papers are available from Mr. Baines or C419.

## EH1750

**Problems in Quantitative Economic History**

**Teacher Responsible:** Dr. W. P. Kennedy, Room C319 (Secretary, Mrs. Barbara Mistry, C321, Ext. 368)

**Course Intended Primarily for** B.Sc. (Econ.) Part II - Special Subject, Economics and Economic History.

**Scope:** The course is designed to encourage independent research work and to aid students in the preparation of an essay of approximately 10,000 words on a topic of their choice within the broad field of quantitative economic history.

**Syllabus:** A general consideration of the analytical formalization of problems in economic history followed

by detailed examination of the research work of individual students.

**Pre-Requisites:** Intermediate level economic and statistical analysis.

**Teaching Arrangements:** The course is taught over a two-year period in a series of fortnightly seminars (EH117), each 1½ to 2 hours long. In the five seminars held in the Michaelmas Term, second-year students attempt to evaluate various analytical arguments that have been advanced to account for British economic experience over the last two centuries and to assess the quantitative significance of the various arguments and their supporting assumptions. Beginning in the Lent Term, the fortnightly seminars are attended by both second and third-year students and are devoted to consideration of the research projects of the third-year students. During the Michaelmas Term, third-year students will have been preparing preliminary drafts of their project and discussing their work individually with the course supervisor. The remaining seminars in each Session will be devoted to consideration of possible research topics by second-year students, enabling them to begin fruitful work sometime during the long vacation before their final year.

**Written Work:** In the Lent Term, second year students will be expected to complete several exercises, most of which will require the use of computer packages. For the final seminars of each Session, second-year students must present brief outlines (3-5 pages in length) of their proposed project, although they are not bound subsequently to adhere to that outline. Third-year students are expected to provide members of the Seminar with preliminary drafts of their projects.

**Reading List:** Each student is expected to prepare for himself or herself, in consultation with the course supervisor and other members of staff, the bibliography for his or her project. The readings used by second-year students during the Michaelmas Term are as follows: N. F. R. Crafts, "English Economic Growth in the Eighteenth Century: A Re-Examination of Deane and Cole's Estimates" *Economic History Review*, Vol. 29, May, 1976, 226-235; D. N. McCloskey, "Did Victorian Britain Fail?" *Economic History Review*, Vol. 23, December, 1970, 446-459; S. B. Webb, "Tariffs, Cartels, Technology and Growth in the German Steel Industry, 1879-1914" *Journal of Economic History*, Vol. 40, June, 1980, 309-329; J. M. Stone, "Financial Panics: Their Implications for the Mix of Domestic and Foreign Investments of Great Britain," *Quarterly Journal of Economics*, Vol. 85, May, 1971, 304-326; M. Edelstein, "Rigidity and Bias in the British Capital Market, 1870-1913", in D. N. McCloskey (Ed.), *Essays on a Mature Economy: Britain after 1840* (London: Methuen, 1971) 83-105; N. F. R. Crafts, "Gross National Product in Europe, 1870-1910: Some New Estimates", *Explorations in Economic History*, Vol. 20, October, 1983, 387-401.

**Examination Arrangements:** The assessment for the course is based entirely on an essay of approximately 10,000 words in length submitted to the Examinations Office on the first working day of May in the student's final year. The final choice of subject, after discussion with the course supervisor, is the student's responsibility.

## EH2600

**The Sources and Historiography of the Economic History of England 1350-1500**

**Teacher Responsible:** Dr. A. R. Bridbury, Room C315 (Secretary, Mrs. Tess Truman, C321, Ext. 368)

**Course Intended Primarily for** M.Sc. and all interested graduate students.

**Scope:** This course examines the main economic and social features and developments of the period from the point of view of the documentary sources with the object of finding out what we can hope to discover from them and what we can expect them to tell us. It then turns to modern writers in order to show how variously these sources have been interpreted in the last hundred years.

**Syllabus:** Demographic trends; the farming scene; village life; industrial change; urban developments; internal and foreign trade; the regulation of economic activity; warfare; public finance; the role of the middle and upper classes in social and economic life.

**Pre-Requisites:** Some previous knowledge of the period is desirable; but a keen student, however ignorant to start with, should be able to cope with the demands of the course.

**Teaching Arrangements:** Weekly classes (EH132) in term-time throughout the academic year, continuing through the summer by arrangement, if required.

**Written Work:** Students must expect to write papers frequently if they are to get full benefit from close analysis of the source material.

**Reading List:** A full reading list will be provided at the start of the course.

**Examination Arrangements:** Examined by a 3-hour written paper in which three questions have to be answered.

## EH2605

**The Sources and Historiography of the Economic History of England in the Seventeenth Century (Not available 1986-87)**

**Teacher Responsible:** Dr. Peter Earle, Room C422 (Secretary, Ms. Jenny Law, C419)

**Course Intended Primarily for** M.Sc. students specializing in Economic History.

**Scope:** The course examines the sources and methods used by historians in writing the economic history of seventeenth-century England.

**Syllabus:** Reading seventeenth-century handwriting; location and nature of records in national and local archives; problems of using state papers, parliamentary papers, legal records, printed books and pamphlets; specialized study of particular records such as wills and inventories, port books, quarter session records, parish registers, hearth tax returns; specialized study of the sources used in writing on particular areas of economic history such as inland and foreign trade, demography, apprenticeship, industry; discussion of contemporary writers on economic affairs such as Mun, Petty, North, Barbon, Davenant; examination of the historical method of selected historians from Adam Smith to the

## EH1770

**The Economy of England 1350-1500**

**Teacher Responsible:** Dr. A. R. Bridbury, Room C315 (Secretary, Mrs. Tess Truman, C321, Ext. 368)

**Course Intended Primarily for** B.A. History students in their second and third years taking this as their special subject.

**Scope:** This course and the syllabus for it are very much the same as for the B.Sc. (Econ.) special subject: **Economic History of England 1377-1483**. There is this difference that the course is taught, as far as possible, from printed documents, and, as far as possible, from translated documents or documents originally written in English.

**Pre-Requisites:** No previous knowledge of the subject is required or presumed.

**Teaching Arrangements:** There are weekly classes (EH119) starting at the beginning of the Summer Term of the second year and continuing in term-time until the end of the following Lent Term.

**Written Work:** At least two essays per term.

**Reading List:** A full reading list is provided at the start of the course.

**Examination Arrangements:** The examination consists of one paper and a long essay of not more than 5,000 words. The choice of essay is only limited by feasibility and the essay is supervised throughout its period of preparation.

## EH1799

**Long Essay in Social or Economic History**

**Teachers Responsible:** All members of the Economic History Department (Departmental Secretary, Ms. Jenny Law, C419, Ext. 371)

**Course Intended Primarily for** all students specializing in Economic History for B.Sc. (Econ.). Compulsory course (Paper 6 in new syllabus).

**Scope:** The subject of the Essay should relate broadly to one of the courses chosen under Papers 1 to 5.

**Selection of Title:** The title of the Essay should be approved by the candidate's tutor or the class-teacher of the relevant course under Papers 1 to 5 and a note of the title should be given to Jenny Law (C419) before the end of the Michaelmas Term in the final year.

**Arrangements for Supervision:** There is a limit to the amount of help that your tutor or class-teacher can give, but s/he is free to advise up to the writing of the first draft. After reading the first draft, s/he may draw attention to any points that are thought to require it. Subsequent work is entirely the candidate's own responsibility.

**Examination Arrangements:** The completed Essay must be handed in by 1 May in the final year. After being marked, the Essay will not be returned to the candidate who should make a copy before handing the Essay in. The Essay must not exceed 10,000 words in length and should be typewritten in double spacing on one side of the paper only. Appendices, bibliography, footnotes and tables are not included in this total, but they should be kept brief. Candidates should note that examiners will expect footnotes and bibliography to be presented in a scholarly way.

present day. About two-thirds of the time available is spent on sources.

**Pre-Requisites:** Students with no prior knowledge of English seventeenth-century economic history will be expected to read widely in the subject and to prepare essays in addition to their normal course work.

**Teaching Arrangements:** There will be a weekly two-hour seminar (EH133) throughout the session in Dr. Earle's room (C422) at a time to be arranged. Dr. Earle will lecture to the group for some of the earlier meetings but the normal form of seminar will be for one of the students to read a paper on a pre-arranged topic and for the other students to discuss it. Students are expected to take full advantage of the School's location in Central London by visiting and working on original documents in archives such as the Public Record Office, Corporation of London Record Office and the British Library.

**Reading List:** There is no detailed reading list for this course. Students are expected to prepare their own as part of their training. They should not confine themselves to the L.S.E. library and should make full use of the other Central London libraries, particularly the British Library, Guildhall Library and the University Library (especially the Goldsmiths Collection). The list below is confined to a few useful books with general information on sources. Students should use their own judgement in purchasing books. J. Thirsk & J. P. Cooper, *Seventeenth-century Economic Documents*; Giles E. Dawson & Laetitia Kennedy-Skipton, *Elizabethan Handwriting*; Godfrey Davies, *Bibliography of British History: the Stuart Period, 1603-1714*, 1982 edn.; A. Browning, *English Historical Documents*, vol. viii 1660-1714; W. B. Stephens, *Sources for English Local History*, (revised edn. 1982); W. E. Tate, *The Parish Chest*; M. S. Giuseppi, *Guide to the MSS Preserved in the Public Record Office*, (1963 edn.); Maurice F. Bond, *Guide to the Records of Parliament*; P. E. Jones & R. Smith, *A Guide to the Records in the Corporation of London Records Office and the Guildhall Library Muniments Room*; B. R. Crick & M. Alman, *A Guide to MSS Relating to America in Great Britain and Ireland*; E. L. C. Mullins, *A Guide to the Historical and Archeological Publications of Societies in England and Wales*, 2 vols.; Alan Macfarlane, *Reconstructing Historical Communities*.

**Examination Arrangements:** There is a three-hour formal examination in September in which three questions have to be answered.

EH2610

### The Sources and Historiography of British Economic History from the Later Eighteenth Century

**Teacher Responsible:** Professor T. C. Barker, Room C222 (Secretary, Ms. Jenny Law, C419)

**Course Intended Primarily for** M.Sc. in Economic History.

**Scope:** The object of the course is to introduce students to the source materials available in London for the writing of British economic history and to consider the development of the historiography of the British economy relating to the period 1750-1850.

**Syllabus:** The course treats, in a roughly chronological sequence starting with Adam Smith and running via Porter and Engels to Clapham and Ashton, the work of authors concerned with some aspect of British economic experience in the period 1750-1850. The purpose is not primarily to provide a thorough study of the events of the period but to examine changing historical perceptions and to relate these wherever possible to the growing availability of historical records and evidence over time.

**Pre-Requisites:** A knowledge of British economic history at the level of an introductory university course.

**Teaching Arrangements:** The course is taught in a sequence of twenty-four two-hour seminars (EH134), meeting once a week. Ten seminars are scheduled for each of the Michaelmas and Lent Terms, and the final four seminars are held in the Summer Term. During the sequence each student will be responsible for at least one seminar presentation, to last approximately an hour, during which the arguments and evidence of a selected author or authors will be critically examined. A very important part of the course consists of visits to the Public Record Office, The House of Lords Record Office, The Midland Bank Archives, The Science Museum and the British Library. A number of specialists on archives and particular aspects of the subject visit the seminar.

#### Preliminary Reading List:

Adam Smith, *An Inquiry into the Wealth of Nations*; T. R. Malthus, *First Essay on Population*; G. R. Porter, *Progress of the Nation*; Friedrich Engels, *The Condition of the Working Class in England*; Arnold Toynbee, *The Industrial Revolution in England*; George Unwin, *Samuel Oldknow and the Arkwrights*; J. H. Clapham, *The Economic History of Modern Britain*; T. S. Ashton, *The Industrial Revolution*; E. A. Wrigley & R. S. Schofield, *The Population History of England, 1541-1871: A Reconstruction*; Michael J. Cullen, *The Statistical Movement in Early Victorian Britain: The Foundations of Empirical Social Research*; Roderick Floud & Donald McCloskey (Eds.), *The Economic History of Britain Since 1700*. A detailed reading list will be distributed at the beginning of the course.

**Examination Arrangements:** There is a three-hour formal examination at the beginning of September. The Paper contains 10 questions divided into two parts (sources and historiography) of which three are to be attempted, at least one from each part. One third of the possible marks are awarded to each of the questions. Copies of previous years' papers are available in Room C619.

EH2615

### The Sources and Historiography of the Economic History of the USA 1890-1929

**Teachers Responsible:** Mr. J. Potter, Room C420 and Dr. S. J. Kleinberg, Room C316 (Secretary, Mrs. Barbara Mistry, C321, Ext. 368)

**Course Intended Primarily for** M.Sc. (Economic History); and other interested graduate students.

**Scope:** The development of the study of American economic history in the USA between 1890 and 1930.

The main authors will be examined in the context of the development of the disciplines of economics and history, and of the social sciences generally, in the USA. The course includes a survey of the main source materials available for research in American economic history.

**Syllabus:** The authors studied are: F. J. Turner, C. A. Beard, G. S. Callender, J. F. Jameson, U. B. Phillips, L. C. Gray, F. W. Taussig, J. R. Commons, W. C. Mitchell, H. Jerome, Henrietta M. Larson.

**Pre-Requisites:** A first degree with significant study in U.S. history and economics.

**Teaching Arrangements:** The graduate seminar (EH136) for this course will meet for 1½ hours each week for three terms, a total of 30 seminars. The Seminars are conducted by Mr. J. Potter. Students are also recommended to attend lecture course (EH106) *Economic History of the USA*.

**Written Work:** Every student taking the course is expected to write at least two papers for presentation to the Seminar. The second of these papers must be written on one of the authors studied.

**Reading List:** Ralph Andreano (Ed.), *The New Economic History: Recent Papers on Methodology*, 1970; Carl Becker, *Every Man his Own Historian*, 1935, pp. 114-256; H. H. Bellot, *American History and American Historians*, 1952, especially Chapter I; Lee Benson, *Turner and Beard*, 1960; Ray A. Billington, *Frederick Jackson Turner*, 1974; Thomas C. Cochran, *The Inner Revolution: Essays on the Social Sciences in History*, 1964; H. S. Commager, *The American Mind*, 1950; M. Cunliffe & R. W. Winks (Eds.), *Past Masters: Some Essays on American Historians*, 1969; J. D. Dorfman, *The Economic Mind in American Civilization*, Vol. 3, 1949; J. D. Dorfman & others, *Institutional Economics: Veblen, Commons and Mitchell Reconsidered*, 1963; G. R. Elton, *The Practice of History*, 1967; Jerome Finster (Ed.), *The National Archives and Urban Research*, 1974; Meyer Fishbein (Ed.), *The National Archives and Statistical Research*, 1973; J. Grossman, *The Department of Labor*, 1973; R. Hofstadter, *The Progressive Historians*, 1969; David S. Landes & Charles Tilly, *History as Social Science*, 1971; James Leiby, *Carroll D. Wright and Labor Reform: The Origins of Labor Statistics*, 1960; David Noble, *Historians Against History: The Frontier Thesis and the National Covenant in American Historical Writing since 1830*, 1965; James Harvey Robinson, *The New History*, 1912 (ed. with introduction by Harvey Wish, 1965); L. F. Schmeckebier, *The Statistical Work of the National Government*, 1925; Joseph Schumpeter, *Ten Great Economists*, 1956; E. R. A. Seligman, *The Economic Interpretation of History*, 1902; F. Stern (Ed.), *The Varieties of History*; Cushing Strout, *The Pragmatic Revolt in American History: Carl Becker and Charles Beard*, 1958.

**Examination Arrangements:** One three-hour examination held in September. In Section One of the paper, students are required to comment on three out of five extracts from the writings of the authors studied. In Section Two of the paper, they have to answer two questions out of five on the general subject matter of the course.

EH2640

### Economic and Social History of England 1377-1485

See EH1720

EH2646

### The Economy and Society of London, 1600-1800

See EH1726

EH2655

### Britain and the International Economy 1919-64

See EH1740

EH2660

### Economic History of the U.S.A. Since 1873

**Teachers Responsible:** Mr. J. Potter, Room C420 and Dr. S. J. Kleinberg, Room C316 (Secretary, Mrs. Barbara Mistry, C321, Ext. 368)

**Course Intended Primarily for** M.Sc. Economic History. Students taking other taught master's programmes may take the paper when appropriate.

**Scope:** The economic history of the U.S.A. since 1873. Emphasis is placed on the period 1873-1939, but opportunity is given to follow topics into the more recent past.

**Syllabus:** Sources of growth in per capita incomes; cycles and fluctuations in economic activity.

The sectors of the economy: agriculture, mining, manufacturing, transport and distribution, banking, foreign trade, government.

The factors of production: Labour, including immigrants and other minorities; sources and uses of capital and capital markets; the frontier, entrepreneurs and technological change.

There will be opportunities to examine particular industries, two or three cities, regional problems, economic aspects of reform movements of the period, as well as international economic relations.

**Pre-Requisites:** There are no specific pre-requisites for the course. Some knowledge of U.S. history, economics or economic history is desirable and students without background in one of these subjects may be discouraged from attempting the course.

**Teaching Arrangements:** EH141. Most of the teaching is carried out in weekly seminars of 1½ extending from the first week of Michaelmas Term until the third week of the Summer Term. Papers, or expositions of topics by students, will form the basis for discussion in these seminars.

EH106. All students are advised to attend this lecture course which consists of weekly one-hour lectures throughout the Michaelmas and Lent Terms. For students with a weak background in the subject these lectures are essential.

EH106(a). During Summer Term a series of 8 lecture/discussion classes of 1½ hours each on the U.S. economy since 1929 concludes the teaching for the paper.

**Written Work:** Students are required to submit at least four seminar papers or other written work.

**Reading List:** There is no single work which deals exactly with the syllabus for this paper. Students will need a textbook for reference and should choose one from the Reading List (Textbooks) given for courses EH1061. Emphasis will be placed on the journal literature. Some of the important articles in the field, though not the most recent, are available in the Bobbs-Merrill Reprint Series in American History.

Other useful collections are:

Harry Scheiber (Ed.), *United States Economic History*, 1964; A. W. Coats & Ross Robertson (Eds.), *Essays in American Economic History*, 1969; Stanley Coben & Forrest Hill (Eds.), *American Economic History: Essays in Interpretation*, 1966.

Other books covering a large part of the syllabus include:

Edward C. Kirkland, *Industry Comes of Age, 1860-1897*; Alfred D. Chandler, *The Visible Hand*; Walter Adams, *The Structure of American Industry*; Thomas Cochran, *American Business in the Twentieth Century*; Jim Potter, *The American Economy Between the World Wars*.

National Bureau of Economic Research, *Trends in the American Economy in the Nineteenth Century*; *Output, Employment and Productivity in the U.S. after 1800*, volumes 24 and 30 in the series *Studies in Income and Wealth*.

**Supplementary Reading List:** Readings for each seminar will be given out at the beginning of the course. All items should be available in the Library, though inevitably some will be lost or stolen and not yet replaced, or out-of-print, at any point in time.

There will, however, be ample choice. Some of the most important works to be recommended on particular topics are:

Paul McAvoy, *The Economic Effects of Regulation*; Gavin Wright, *The Political Economy of the Cotton South*; Harvey S. Perloff & others, *Regions, Resources and Economic Growth*; Allan Bogue, *From Prairie to Corn Belt*; Peter Temin, *Iron and Steel in 19th Century America*; S. H. Schurr, *Energy in the American Economy*; Albro Martin, *Enterprise Denied*; Brinley Thomas, *Migration and Economic Growth*; Milton Friedman & Anna Schwarz, *Monetary History of the United States, 1867-1960*; William Woodruff, *America's Impact on the World*; Mira Wilkins, *The Emergence of Multinational Enterprise: American Business Abroad from the Colonial Era to 1914*; and *The Maturing of Multinational Enterprise, 1914-70*; Lester V. Chandler, *America's Greatest Depression, 1929-41*; Glen Porter & Harold Livesey, *Merchants and Manufacturers*.

**Examination Arrangements:** There is a three-hour formal examination early in September for M.Sc. candidates, requiring 3 questions to be answered out of 10. The assessment for the course is based upon the examination.

### British Labour History Labour History

**Teacher Responsible:** Dr. E. H. Hunt, Room C415 (Secretary, Ms. Jenny Law, C419)

**Course Intended Primarily for** M.Sc. Economic History; M.Sc. Industrial Relations. Other graduate students may attend by permission.

**Scope and Syllabus:** The course covers the main aspects of British labour history between 1815 and 1939. Students taking the M.Sc. in Industrial Relations follow a syllabus that concentrates upon trade unionism, the role of employers, the workplace, and industrial relations. Students taking the M.Sc. in Economic History follow a broader syllabus that embraces most aspects of labour history.

**Pre-Requisites:** Most students enrolled for this course will have taken at least one paper in British 19th and 20th century history in their first degree and will have studied economics at some stage.

**Teaching Arrangements:** All students taking the course attend the seminar **British Labour History, 1815-1939** (EH130). The seminar meets weekly for one and a half hours, in the Michaelmas, Lent and Summer Terms. The usual procedure is a paper by a student or teacher followed by a general discussion. Meetings on the period 1815-1914 are arranged by Dr. Hunt, those on the period 1914-39 are arranged by Mr. Baines. Seminar programmes are available from Dr. Hunt or Jenny Law. Students taking the M.Sc. in Industrial Relations attend, in addition, a seminar in **Labour History** (Id118) given by Professor Roberts. For times and location of seminars and lectures see the posted time-tables.

**Written Work:** A minimum of 3 papers. Students taking the M.Sc. in Industrial Relations may be required, in addition, to present papers at Professor Roberts' seminar. Papers may be incorporated in work submitted for course assessment towards the M.Sc. in Industrial Relations.

**Reading List:** The course reading list is in two parts (1815-1914 and 1914-1939) and is deposited in the Library. Copies are available from Dr. Hunt or Jenny Law. As in most history courses, students are not expected to read deeply on every part of the syllabus, but to read selectively, concentrating upon topics appropriate to their academic and vocational interests. Students taking the M.Sc. in Industrial Relations, when planning their reading, should keep in mind that their is a less wide syllabus than that followed by students taking the M.Sc. in Economic History. Thus there is no "minimal reading list" although items that are likely to be found especially useful are indicated on the course reading list. These indicated items should be found in the Teaching Library as well as in the Main Library. Recommended general and introductory books, of interest to students who want to anticipate the course or to sample its content, include the following. There are also the books that students are most likely to want to buy, although not all are in print.

E. H. Phelps Brown, *The Growth of British Industrial Relations*, 1959; A. Bullock, *Life and Times of Ernest*

EH2700  
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Bevin, Vol I, 1960; H. A. Clegg, A. Fox & A. F. Thompson, *British Trade Unions since 1889*, 1964; E. J. Hobsbawm, *Labouring Men*, 1964; E. H. Hunt, *British Labour History, 1815-1914*, 1981; F. C. Mather, *Chartism*, 1965; A. E. Musson, *British Trade Unions, 1824-75*, 1972; H. M. Pelling, *A History of British Trade Unionism*, 1976; B. C. Roberts, *The Trade Union Congress, 1868-1921*, 1958; E. P. Thompson, *The Making of the English Working Class*, 1963.

**Examination Arrangements:** Students taking this course for the M.Sc. in Industrial Relations are examined separately from those taking the M.Sc. in Economic History (see syllabus above). Both groups sit a formal, 3 hour, written paper in which three questions are answered from a wide choice of questions. Both are classified as pass, fail, or distinction. Industrial Relations students sit their examination towards the end of the Summer Term, Economic History students sit in September. The Industrial Relations examination includes an element of course assessment (see above). Past examination papers can be consulted in the Library.

EH2701

### History of Transport from the Turnpike to the Motorway

**Teacher Responsible:** Professor T. C. Barker, Room C222 (Secretary, Ms. Jenny Law, C419)

**Course Intended Primarily for** M.Sc. (Economic History Option). Graduate students taking courses in Transport Economics and all others interested in transport may attend with Professor Barker's permission.

**Scope:** The course concentrates on transport's contribution to economic and social change and focusses particularly upon development in the twentieth century. It deals with traffic rather than with transport modes as such and, while it is concerned mainly with the British experience, attention is paid to international aspects (air and sea) and to transport changes in other countries, especially the U.S.A.

**Syllabus:** The significance of transport developments since 1950, both national and international, in relation to the earlier growth of water transport, the coming of railways and the ascendancy of the steamship. The growingly important role of road transport and the complementary development of water transport (river and coastal as well as canal) before the coming of railways and their continued importance during the Railway Age.

Railways: the timing of their arrival and spread; their contribution to economic growth and social change; Fogel, Fishlow and Hawke.

The role of horse-drawn transport in urbanisation and suburbanisation. Developments in world shipping in the nineteenth and twentieth centuries and of air transport since 1981.

The mechanisation of road transport: the (neglected) bicycle; electric tramways; motor cars, motor buses, motor lorries and motor cycles.

Competition between road and rail and the reasons for the present plight of railways. Twentieth-century

transport problems: accidents, pollution; energy conservation and congestion.

**Pre-Requisites:** No prior historical knowledge is required but some interest in present-day transport problems will be of help, for it is with the background to these that the course is primarily concerned.

**Teaching Arrangements:** Weekly classes (EH131), each of two-hour duration, during the Michaelmas, Lent and part of the Summer Term. At each of these discussions on particular topics are introduced either by Professor Barker (who is currently writing a book on the international impact of motor vehicles) or by students, each of whom will be expected to prepare in detail for a particular class each term as well as to participate in the discussion at other classes. A list of class topics and the recommended reading for each class is handed out at the beginning of the course. (See below). Each student will be expected to write at least one essay per term based upon his/her class paper. This will be marked and subsequently discussed privately with the student concerned.

**Preliminary Reading List:** T. C. Barker & C. I. Savage, *An Economic History of Transport in Britain*, (now out of print but copies available from Professor Barker); Theo Barker, *The Transport Contractors of Rye*, Athlone Press; H. J. Dyos & D. H. Aldcroft, *British Transport*, Penguin; Philip S. Bagwell, *The Transportation Revolution from 1970*, Batsford paperback; T. C. Barker & Michael Robbins, *A History of London Transport*, Allen and Unwin paperback; J. M. Laux & others, *The Automobile Revolution*, University of North Carolina Press.

A full reading list, with recommendations for each seminar, will be handed out at the beginning of the course. Students who wish to receive this, or who may wish to learn more about the course in order to decide whether to attend it, should come to the first meeting in Room C222 on Thursday, 10 October at 10 a.m.

**Examination Arrangements:** A three-hour examination will be held in September. The paper will consist of 12 questions, all dealing with topics covered in the classes, from which candidates will be required to answer three. Copies of previous papers may be consulted in the Library.

EH2710

### The Population of the United States of America from Colonial Times to the Present

**Teacher Responsible:** Mr. J. Potter, Room C420 (Secretary, Mrs. Barbara Mistry, C321, Ext. 368)  
**Course Intended Primarily for** M.Sc. (Economic History).

**Scope:** This course examines the significance of demographic factors in American history, studying the mainland American colonies from first settlement and the U.S.A. since nationhood. Topics studied include: population growth rates and their determinants; natural growth; age and sex structure; the family, slavery; internal mobility; immigration; ethnic groups; urbanisation.

**Syllabus:** An introduction to the study of American population history. Chronological survey from 1607 to the present; regional differences; the processes of frontier settlement; source materials for the colonial period; the national censuses; problems of evaluation of quantitative data.

**Pre-Requisites:** The course assumes prior knowledge of the main outlines of American history. Prior knowledge of demographic theories or statistical methods is not required, but students are expected to handle quantitative data and to undertake a project for seminar presentation derived from direct use of census material.

**Teaching Requirements:** This is a graduate course and teaching consists of one Seminar (EH140) of 1½ hours per week. Roughly half the Seminars, especially in the early part of the course, consist of talks by the Course Teacher, the remainder being dependent on the presentation of papers of members of the Seminar. There will be 25 seminar meetings, 10 each in the Michaelmas and Lent Terms, and 5 in the Summer Term. Students are also recommended to attend lecture courses (EH106) **Economic History of the USA.**

**Written Work:** Every student taking the course is expected to present to the seminar:

One minor paper, usually the review of one book (or group of articles) chosen from the main course reading list, and

One major paper on a project to be arranged in consultation with the Course Teacher, normally based on the published materials of the U.S. Census. (Copies of all papers presented to the Seminar are retained in the Secretary's office and are available for consultation).

One essay to be written during the Christmas Vacation. One specimen examination paper to be written during the Easter vacation.

**Reading List:** No textbooks are available for this course, but the following books are recommended: D. J. Bogue, *The Population of the United States*, 1959; James H. Cassedy, *Demography in Early America: Beginnings of the Statistical Mind*, Harvard, 1969; Howard P. Chudacoff, *Mobile Americans: Residential and Social Mobility in Omaha, 1880-1920*, 1972; Kathleen Conzen, *Immigrant Milwaukee, 1836-80*, 1976; William Currie, *A Historical Account of the Diseases of the United States*

*of America*, Philadelphia, 1792; John Demos, *A Little Commonwealth: Family Life in Plymouth Colony*, New York, 1970; R. J. Dickson, *Ulster Emigration to Colonial America, 1718-1775*; J. Duffy, *Epidemics in Colonial America*, 1953; Richard A. Easterlin, 'Population Issues in American Economic History: A Survey and Critique', in R. E. Gallman (Ed.), *Recent Developments in the Study of Business and Economic History*, 1971; Richard A. Easterlin, *Population, Labor Force and Long Swings*, NBER, 1968; C. J. Erickson, *Invisible Immigrants: The Adaptation of English and Scottish Immigrants in 19th Century America*; R. W. Fogel & S. L. Engerman, *Time on the Cross*, 1974; B. Franklin, *Observations Concerning the Increase of Mankind and the Peopling of Countries*, (1751, 1755 edn.); C. N. Glaab & Brown, *A History of Urban America*, 1976; D. V. Glass & D. E. C. Eversley, *Population in History*, 1965, especially J. Potter, 'Growth of Population in America, 1700-1860'; E. V. Green & V. D. Harrington, *American Population before the Federal Census of 1790*, New York, 1932; Philip J. Greven, *Four Generations: Population, Land and Family in Colonial Andover, Mass.*, Cornell, 1970; H. G. Gutman, *Slavery and the Number Game*, 1975; T. Hershberg, *Philadelphia: Work, Space, Family and Group Experience in the 19th Century*, 1981; K. Hvidt, *Flight to America: the Social Background of 300,000 Danish Emigrants*, 1975; Patricia James, *Population Malthus: His Life and Times*, 1979; M. A. Jones, *American Immigration*, (4th edn.), 1965; Peter R. Knights, *The Plain People of Boston, 1830-1860: A Study in City Growth*, 1971; K. A. Lockridge, *A New England Town: The First Hundred Years Dedham, Mass., 1636-1736*, 1970; T. R. Malthus, *An Essay on the Principle of Population*, 1st Essay 1798, Penguin Books ed. 1970, edited by Antony Flew; B. McKelvey, *The Urbanisation of America, 1860-1915*, 1963; Edmund S. Morgan, *American Slavery, American Freedom: The Ordeal of Colonial Virginia*; H. S. Nelli, *The Italians in Chicago, 1880-1930*; G. Osofsky, *Harlem: The Making of a Ghetto*, 1967; Robert Dale Owen, *Moral Physiology*, 1830; W. Peterson, *Malthus*, 1979; J. Potter, *The American Economy between the World Wars*, 1975, (section on population); H. Runblom & H. Norman, *From Sweden to America: A History of the Migration*, 1976; R. M. Shryock, *Medicine and Society in America, 1660-1860*, 1960; P. A. M. Taylor, *The Distant Magnet: European Emigration to the USA*, 1971; S. Thernstrom, *Poverty and Progress: Social Mobility in a 19th Century City*, 1969; Brinley Thomas, *Migration and Economic Growth: A Study of Great Britain and the Atlantic Economy*, (2nd edn.), 1973; Brinley Thomas, *Migration and Urban Development*, 1972; M. A. Vinovskis, *Family and Population in 19th Century America*, 1978; M. A. Vinovskis, *Studies in American Historical Demography*, 1979; V. Robert Wells, *The Population of the British Colonies in America before 1776*, 1975.

**Examination Arrangements:** One three-hour examination held in June. The examination paper is divided into three sections, students being required to answer three or four questions, at least one from each section.

Section One: general and methodological questions enabling candidates to introduce material in their answers from any part of the course.

Section Two: Colonial period from first settlement, and national period to the mid-nineteenth century.

Section Three: From mid-nineteenth century to the present.

At least one question will consist of a Table of statistics on which the candidate is invited to comment.

EH2715

### Aspects of Latin American Economic History Since Independence

**Teacher Responsible:** Dr. Colin Lewis, Room C320 (Secretary, Mrs. Tess Truman, C321, Ext. 368)

**Course Intended for** M.A., M.Sc., M.A. Area Studies (Latin America), M.Sc. (Economic History) Option A.

**Scope:** The course will address the principal debates in Latin American economic historiography, focusing upon the major socio-economic 'revolutions' in Latin American history, from the struggles for independence to late twentieth-century social upheavals, and - by reference to specific case-studies - will explore various theories elaborated from, or applied to, the Latin American experience.

**Syllabus:** Colonial heritage, national consolidation, patterns and determinants of growth during the nineteenth century, social change and the limits to economic modernization, theories and issues of industrialization, external crisis and endogenous response, the state and development, continuity and change during the post-Second World War period.

**Pre-Requisites:** A reading knowledge of Spanish and/or Portuguese is desirable.

**Teaching Arrangements:** Weekly two-hour seminars (EH142) Sessional; pre-circulated working papers.

**Written Work:** Three to four papers during the session, presented to seminar.

**Reading List:** A. J. Bauer, *Chilean Rural Society*; J. C. Brown, *A Socioeconomic History of Argentina, 1776-1860*; M. Burgin, *Economic Aspects of Argentine Federalism, 1820-1852*; C. Cardoso (Ed.), *Mexico en el Siglo XIX*; F. H. Cardoso & F. Faletto, *Dependency and Development in Latin America*; E. V. da Costa, *Da Monarquia a Republica*; R. Cortes Conde & S. J. Stein (Eds.), *Latin America: A Guide to Economic History, 1830-1930*; W. Dean, *Industrialization in Sao Paulo*; K. Duncan & I. Rutledge (Eds.), *Land and Labour in Latin America*; P. Evans, *Dependent Development*; P. Casanova Gonzalez, *America Latina en los Anos Treinta*; T. Donghi Halperin, *El Ocaso del Orden Colonial en Hispanoamerica*; A. O. Hirschman, *A Bias for Hope*; O. Ianni, *Industrializacao e Desenvolvimento Social no Brasil*; J. Levin, *The Export Economies*; M. Mamalakis, *The Growth and Structure of the Chilean Economy*; C. Mesa-Lago, *Cuba in the 1970's*; M. C. Meyer & W. C. Sherman, *The Course of Mexican History*; N. Sanchez Albornoz, *The Population of Latin America*; J. R. Scobie, *Revolution on the Pampas*; S. J. Stein, B. A. Stein, G. di Tella & M.

Zymelman, *Las Etapas del Desarrollo Economico Argentino*; R. Thorp & G. Bertram, *Peru, 1890-1977*; A. Villela Villanova & W. Suzigan, *Government Policy and the Economic Growth of Brazil, 1889-1945.*

**Examination Arrangements:** One three-hour examination taken in June; three questions to be answered from choice of 12.

EH2780

### The Latin American Experience of "Economic Imperialism"

**Teacher Responsible:** Dr. Colin M. Lewis, Room C320 (Secretary, Mrs. Tess Truman, C321, Ext. 368)

**Course Intended Primarily for** M.A., M.Sc., M.A. Area Studies (Latin America), M.Sc. (Economic History): Option B (from 1984-85).

**Scope:** The course will focus upon the continuing debate about the relationship of Latin America and the world economy in the period since c. 1850. It will discuss the three principal bodies of literature which facilitate an understanding of 'imperial' connections: the British historiography on 'informal empire' and 'business imperialism'; the US literature on expansionism in the region; Latin American writings on dependence.

**Syllabus:** The programme opens with an introductory review of basic concepts and theories - of imperialism and dependency, of growth and development, of the nature of the state.

*Specific issues will subsequently be addressed by reference to concrete case-studies:*

1. 'Informal empire' - external indebtedness, implications of export-led growth, patterns of railway investment.
2. US expansionism - multinational corporations, plantation agriculture, exploitation of oil.
3. Dependency debate - Prebisch thesis, associated capitalist development, limits of ISI.

**Pre-Requisites:** None.

**Teaching Arrangements:** Weekly two-hour seminars, Michaelmas and Lent Terms; pre-circulated working papers.

**Written Work:** Three papers during session, presented to seminar.

**Reading List:** C. Abel & C. M. Lewis, *Latin America, Economic Imperialism and the State*; F. Cardoso & E. Faletto, *Development and Dependency*; R. H. Chilcote & J. C. Edelstein (Eds.), *Latin America*; J. Cotler & R. R. Fagen (Eds.), *Latin America and the United States*; W. R. Louis (Ed.), *Imperialism: The Robinson and Gallagher Thesis*; R. Prebisch, *The Economic Development of Latin America*; D. C. M. Platt (Ed.), *Business Imperialism, 1840-1930*; R. Owen & B. Sutcliffe (Eds.), *Studies in the Theory of Imperialism*; H. Radice (Ed.), *International Firms and Modern Imperialism*; I. Roxborough, *Theories of Dependence*; S. J. Stern & B. A. Stern, *The Colonial Heritage of Latin America.*

**Supplementary Reading List:** Detailed biographies will be provided for case-studies.

**Examination Arrangements:** One three-hour examination taken in June.

**EH2790****Growth, Poverty and Policy in the Third World Since 1850**

**Teacher Responsible:** Dr. Colin M. Lewis, Room C320 (Secretary, Mrs. Tess Truman, C321, Ext. 368)

**Course Intended Primarily for** M.Sc. Economic History – Option B.

**Scope:** By reference to specific comparative case-studies (located in the Middle East, the Indian subcontinent, South-East Asia, the circum-Caribbean and South America), the course will explore the principal socio-economic changes that have occurred in the Third World since c. 1880, concentrating upon national and international developments.

**Syllabus:** (a) Brief discussion of concepts.

(b) Chronological review of principal developments.  
(c) Issues – economies of peasant societies, population and demographic change, labour, capital accumulation and appropriation, economic philosophies and the role of the state, modernization, industrialization and urbanization, the Third World and the international economy.

**Pre-Requisites:** None.

**Teaching Arrangements:** Weekly seminars Sessional, taught jointly by Mr. M. E. Falkus, Dr. Geoffrey Jones and Dr. C. M. Lewis.

**Written Work:** Four papers to be presented during the session.

**Preliminary Reading List:** C. Abel & C. M. Lewis, *Latin America, Economic Imperialism and the State*; L. Adelman & C. T. Morris, *Economic Growth and Social Equity in Developing Countries*; P. Bairoch, *The Economic Development of the Third World Since 1900*; J. Bharier, *Economic Development of Iran*; N. Charlesworth, *British Rule in India, 1800–1914*; C. Furtado, *The Economic Development of Latin America*; A. Gerschenkron, *Economic Backwardness in Historical Perspective*; J. D. Gould, *Economic Growth in History*; C. Issawi, *An Economic History of the Middle East*; W. A. Lewis, *Growth and Fluctuations in the International Economy*; J. F. Munro, *Africa and the International Economy*; H. Myint, *Economic Theory and the Under-Developed Economies*; R. Owen, *The Middle East in the World Economy*; R. Owen & B. Sutcliffe (Eds.), *Studies in the Theory of Imperialism*; W. W. Rostow, *The World Economy*; J. C. Scott, *The Moral Economy of the Peasant*; M. P. Todaro, *Economics for a Developing World*; I. Wallerstein, *The Modern World-System*.

**Supplementary Reading List:** Detailed bibliographies will be provided for specific themes.

**Examination Arrangements:** One three-hour examination taken in September.

**Note:** The 10,000 word M.Sc. 'Report' to be written on a topic relating to this course (see M.Sc. regulations), and approved by the candidate's teachers, need not necessarily relate to those parts of the Third World studied in detail as part of this syllabus.

**GEOGRAPHY**

This section is in two parts. The first part lists the lectures and seminars given by the department. The list provides a cross reference to the Study Guide(s) in which the syllabus and the reading list associated with the lecture or seminar can be found. The second part contains the Study Guides, presented in Study Guide number sequence.

**Lectures and Seminars**

Lecture/ Seminar Number		Study Guide Number
Gy100	<b>Geographical Perspectives on Modern Society</b> Dr. N. A. Spence, Professor D. R. Diamond and Dr. J. A. Rees	25/MLS Gy1801
Gy101	<b>Physical Geography</b> Professor C. Embleton, Professor D. Brunnsden, Dr. R. A. M. Gardner and Miss H. M. Scoging	40/ML Gy1812
Gy104	<b>Methods in Geographical Analysis</b> Miss H. M. Scoging, Dr. C. Board and Mr. C. Whitehead	40/ML Gy1816
Gy201	<b>Advanced Methods in Geographical Analysis</b> Mr. C. Whitehead, Dr. M. Frost, Miss H. M. Scoging and Dr. A. M. Warnes	20/ML Gy1857
Gy202	<b>Elements of Hydrology</b> Dr. J. I. Pitman	10/L Gy1844
Gy203	<b>Geomorphology I</b> Miss H. M. Scoging, Professor C. Embleton, Professor D. Brunnsden, Mr. D. K. C. Jones and others	46/MLS Gy1840
Gy204	<b>Biogeography</b> Dr. E. M. Yates	50/MLS Gy1842
Gy205	<b>Meteorology and Climatology</b> Dr. M. Jones and Dr. B. W. Atkinson	50/MLS Gy1843
Gy206	<b>Man and His Physical Environment</b> Dr. J. A. Rees, Mr. D. K. C. Jones and Miss H. M. Scoging	46/ML Gy1808
Gy208	<b>The Location of Economic Activity</b> Dr. J. E. Martin and Dr. R. C. Estall	32/MLS Gy1824
Gy209	<b>Social Geography: Spatial Change and Social Process</b> Dr. S. S. Duncan	40/ML Gy1821
Gy210	<b>Urban Geography: an Evolutionary Approach</b> Dr. A. M. Warnes and Dr. B. S. Morgan	40/ML Gy1822

<i>Lecture/ Seminar Number</i>			<i>Study Guide Number</i>
Gy212	<b>Historical Geography: British Isles</b> Dr. E. M. Yates and Mr. D. R. Green	46/MLS	Gy1829
Gy213	<b>Techniques in Physical Geography</b> Miss H. M. Scoging	20/ML	Gy1817
Gy215	<b>Soil Science</b> Dr. J. I. Pitman	20/MLS	Gy1841
Gy216	<b>Advanced Cartography</b> Mr. G. R. P. Lawrence	40/ML	Gy1951
Gy220	<b>The British Isles</b> Mr. D. J. Sinclair	45/MLS	Gy1876
Gy221	<b>Europe</b> Mr. D. J. Sinclair, Dr. F. E. I. Hamilton and Dr. J. E. Martin	40/ML	Gy1877
Gy223	<b>North America I: Geographical Patterns of Resources and Economic Development</b> (Not available 1985-86) Dr. R. C. Estall	20/M	Gy1880; Gy1885
Gy224	<b>Latin America I: Pre-Industrial Societies</b> Dr. L. A. Newson	22/MLS	Gy1882
Gy225	<b>The Third World: A Social and Economic Basis</b> Professor W. B. Morgan and Dr. L. A. Newson	23/MLS	Gy1884
Gy299	<b>Independent Geographical Essay</b> Dr. K. R. Sealy	5/S	Gy1998
Gy300	<b>Geomorphology II – Palaeogeomorphology</b> Mr. D. K. C. Jones and Professor C. Embleton	40/ML	Gy1966
Gy301	<b>Geomorphology III</b> Professor D. Brunsten	25/MLS	Gy1961
Gy303	<b>Urban Politics: A Geographical Perspective</b> Dr. D. Bartelt	22/MLS	Gy1919
Gy304	<b>Spatial Aspects of Economic Development</b> Dr. F. E. I. Hamilton and Dr. M. E. Frost	50/MLS	Gy1920
Gy305	<b>The Geography of Rural Development</b> Mr. D. J. Sinclair and Professor W. B. Morgan	40/MLS	Gy1922
Gy306	<b>Advanced Economic Geography: Agriculture</b> Mr. D. J. Sinclair and Professor W. B. Morgan	20/ML	Gy1921

<i>Lecture/ Seminar Number</i>			<i>Study Guide Number</i>
Gy307	<b>Social Geography of Urban Change</b> Dr. S. S. Duncan	20/ML	Gy1929; Gy1935
Gy309	<b>Comparative Studies in Spatial Policy</b> Professor D. R. Diamond and Mr. J. R. Drewett	20/ML	Gy1931; Gy1935; Gy2821; Gy2860
Gy310	<b>Urban and Regional Planning</b> Dr. M. Hebbert and Professor D. R. Diamond	48/MLS	Gy1926
Gy311	<b>Resource and Environmental Management</b> Dr. J. A. Rees and Mr. D. K. C. Jones	40/ML	Gy1943; Gy2822
Gy312	<b>Planning Techniques and Models I</b> Mr. J. R. Drewett and Dr. N. A. Spence	10/M	Gy1926; Gy2860
Gy313	<b>Transport: Environment and Planning</b> Dr. K. R. Sealy	30/ML	Gy1942; Gy2824
Gy315	<b>Map Design and Evaluation</b> Dr. C. Board	23/MLS	Gy1950
Gy316	<b>Environmental Change</b> Dr. R. A. M. Gardner	20/ML	Gy1962
Gy322	<b>North America II: Regional Studies of Economic Growth and Change</b> (Not available 1985-86) Dr. R. C. Estall and Dr. K. R. Sealy	25/LS	Gy1881; Gy1885
Gy323	<b>Latin America II: Industrial Societies</b> (Not available 1985-86) Dr. L. A. Newson	20/ML	Gy1883
Gy324	<b>The Soviet Union</b> Dr. F. E. I. Hamilton	45/MLS	Gy1886; Gy1879
Gy400	<b>Research Methodology and Geographical Thought</b> Mr. J. R. Drewett and others	10/M	Gy2802
Gy401	<b>Geographical Thought and Research in Practice</b> Mr. J. R. Drewett, Dr. C. Board. and others	10/L	Gy2802
Gy402	<b>Research Resources Design and Techniques</b> Dr. C. Board and others	10/M	Gy2802
Gy403	<b>Computerised Geographical Information Systems</b> Mr. C. Whitehead	5/L	Gy2802
Gy404	<b>Survey Design and Techniques</b> Dr. A. M. Warnes	5/L	Gy2802
Gy406	<b>Geographical Project Seminar</b> Dr. C. Board, Professor D. R. Diamond and Professor R. J. Bennett	20/ML	



Lecture/ Seminar Number			Study Guide Number
Gy407	<b>Geographical Research Seminar</b> Professor D. R. Diamond and Mr. J. R. Drewett	19/ML	Gy2801
Gy410	<b>Social Change and Urban Growth – Class</b> Dr. S. S. Duncan and Mr. J. R. Drewett	19/ML	Gy2820
Gy412	<b>Resource Management and Environmental Planning</b> Dr. J. A. Rees	10/L	Gy2822
Gy413	<b>Spatial Aspects of Change in Economic Activity – Seminar</b> Dr. J. E. Martin	16/ML	Gy2823
Gy414	<b>Geography of Transport Planning – Class</b> Dr. K. R. Sealy	25/MLS	Gy2824
Gy415	<b>Cartographic Communication</b> Dr. C. Board	15/MLS	Gy2825
Gy416	<b>Planning Techniques and Models II</b> Mr. J. R. Drewett and Dr. N. A. Spence	10/M	Gy1931; Gy2821; Gy2860
Gy417	<b>Social Theory and Urban and Regional Questions – Seminar</b> Dr. S. S. Duncan	20/ML	Gy417
Gy450	<b>Regional and Urban Planning Problems – Seminar</b> Dr. P. J. Dunleavy, Dr. C. Whitehead, Professor D. R. Diamond, Dr. M. J. Hebbert, Mr. R. A. Jackman and Dr. N. A. Spence	8/S	Gy450
Gy451	<b>Spatial Theory in Regional and Urban Planning – Seminar</b> Professor D. R. Diamond and Dr. N. A. Spence.	14/ML	Gy2860

## Study Guides

### Geographical Project Seminar

**Teacher Responsible:** Dr. C. Board, Room S413  
(Secretary, Mrs. J. Jennings, Room S406)

**Course Intended Primarily for** M.Sc. Geography;  
M.Phil.; Research students.

**Scope:** Presentations by research students of aspects of  
their own research, stressing problems of methodology  
and/or techniques.

**Teaching Arrangements:** 20 × 1½ hour seminars  
(Gy406) in the second half of the Michaelmas, Lent and  
Summer Terms.

**Examination Arrangements:** This course is non-  
examinable.

Gy406

### Regional and Urban Planning Problems (Seminar)

**Teacher Responsible:** Michael Hebbert, Room S412  
(Secretary, Mrs. J. Jennings, S406)

**Other Teachers Involved:** Dr. P. Dunleavy, Professor  
D. R. Diamond, Dr. N. Spence, Mr. R. Jackman and  
Dr. C. Whitehead.

**Course Intended Primarily for** M.Sc. Regional and  
Urban Planning Studies.

**Scope:** An interdisciplinary seminar with invited  
speakers on the problems of urban and regional  
planning.

**Teaching Arrangements:** Ten seminars (2 per week),  
Summer Term.

**Examination Arrangements:** None.

Gy450

Gy407

### Geographical Research Seminar

**Teachers Responsible:** Professor D. R. Diamond,  
Room S405 and Mr. J. R. Drewett, Room S408  
(Secretary, Mrs. A. Naimi, S406)

**Course Intended Primarily for** M.Sc. Geography;  
M.Sc. Regional and Urban Planning Studies.

**Scope:** Presentations by speakers normally from  
outside the Department on aspects of their own  
research.

**Teaching Arrangements:** 19 × 1½ hour seminars  
(Gy407) in the Michaelmas and Lent Terms.

**Examination Arrangements:** This course is non-  
examinable.

Gy1801

### Geographical Perspectives on Modern Society

**Teacher Responsible:** Dr. N. A. Spence, Room S565  
(Secretary, Mrs. P. Farnsworth, S409)

**Course Intended Primarily for** B.A./B.Sc. course unit  
main field Geography, B.Sc. (Econ.) Part I, B.Sc.  
(Econ.) Part II. Other B.A./B.Sc. course unit main field  
subjects, General Course.

**Scope:** The aim of the course is to introduce students  
to contemporary environmental concerns examined in  
human geography.

**Syllabus:** Human geography: its application to societal  
problems. Resource concepts; economic, geopolitical  
and social issues raised by resource exploitation. An  
introduction to population, food scarcity and  
environmental management problems. Theories of  
location, Global and regional inequalities in economic  
development. Problems of urban growth and decline.  
Cities and society; the built environment; city centres;  
inner cities; ghettos and shanty settlements. Urban  
Planning.

**Pre-Requisites:** None.

**Teaching Arrangements:** There is one lecture course  
accompanied by a class.

Lectures: Gy100 Sessional

Classes: Gy100(a) weekly Sessional (B.Sc. (Econ.) and  
others) Gy100(b) weekly Sessional (B.A./B.Sc. course  
unit main field Geography)

Gy100: Some six specific themes will be examined.

1. Resource scarcity
2. Resource despoilation
3. Changing location of economic activity
4. Economic development inequalities
5. Urban growth and decline
6. Cities and society

Gy100(a) and Gy100(b): Classes will be used to  
monitor the lecture material and examine some specific  
themes in depth.

**Reading List:** No one book covers the entire syllabus.  
Students may wish to review the following: J. Blunden  
*et al.*, *Fundamentals of Human Geography: A Reader*;  
P. Dicken & P. E. Lloyd, *Modern Western Society*; P.  
G. Hall, *Urban and Regional Planning*; P. G. Hall, *The  
World Cities*; D. Herbert, *Urban Geography: A Social*

Gy417

### Social Theory and the Urban and Regional Question

**Teacher Responsible:** Dr. S. S. Duncan, Room S512  
(Secretary, Mrs. A. Naimi, S406)

**Course Intended Primarily for** Graduate Students

**Scope:** A workshop course on the problems of current  
research in the urban and regional questions.

**Syllabus:**

1. Introductory seminars on uneven development, the  
regional problem, the urban question, dependency.
2. Workshops on particular issues according to the  
interests of graduate students.

In recent years these included: the social process of  
doing research; realism and explanation in social  
science; the labour process and spatial change;  
producing the built environment; sectors, classes and  
urban theory; monetarism, socialism and spatial  
policy; the production of people and domestic labour;  
the local state and local economic policy; radical  
regions.

**Teaching Arrangements:** Informal workshops with  
active participation by participants (Gy417).

**Reading List:** This will usually be made available  
before the sessions.

**Examination Arrangements:** The course is not  
examined and is not intended as preparation for any  
particular examination.

*Perspective*; D. M. Smith, *Where the Grass is Greener: Living in an Unequal World*; E. Ashby, *Reconciling Man with the Environment*; T. O'Riordan, *Environmentalism*; B. Ward & R. Dubois, *Only One Earth*; N. W. Holdgate, *A Perspective of Environmental Pollution*; M. Tanzer, *The Race for Resources*; B. J. L. Berry, *The Human Consequences of Urbanisation*; B. J. L. Berry, E. C. Conkling & D. M. Ray, *The Geography of Economic Systems*; Brandt Commission, *North South. A Programme for Survival*; Brandt Commission, *North South. A Programme for Survival*, Brandt Commission, *Common Crisis. Cooperation for World Recovery*; B. E. Coates, R. J. Johnston & P. L. Knox, *Geography and Inequality*; P. Odell, *Oil and World Power*.

Detailed reading lists will be issued during the course appropriate to each of the main themes considered. **Examination Arrangements:** There is a three hour formal examination in the Summer Term based on the syllabus. A wide choice of questions will be provided of which three are to be answered all carrying equal marks. Some 75% of the total marks will be allocated to this written unseen examination. The remaining 25% of the marks will be allocated to course work prepared for class teachers in the form of two extended essays each of not more than 3,000 words. Topics for these essays will be assigned in the Michaelmas and Lent Terms and are to be submitted to Mrs. P. Farnsworth (Department of Geography Administrative Secretary, Room S409) on the first day of the Lent Term (13 January 1986) and the first day of the Summer Term (28 April 1986) respectively.

### Gy1808

#### Man And His Physical Environment

**Teacher Responsible:** Mr. D. K. C. Jones, (Room S506B (Secretary, Miss Nesta Herbert, S508))  
**Course Intended Primarily for** 2nd year B.A./B.Sc. course unit main field Geography and B.Sc. (Econ.) Part II. Environment and Planning. Also available for other B.Sc. (Econ.) Part II and B.A./B.Sc. course unit main field subjects, Diploma, General Course and single-term students.

**Scope:** An analysis of the nature, causes, and effects of, and the alternative solutions to, the key environmental and renewable resource problems faced by mankind.

1. An analysis of the varied two-way interactions between human societies and the physical (natural) environmental systems. This will take the whole of the Michaelmas Term and is divided into two main parts. First, there will be an examination of the nature, significance and trends of natural hazard impacts (e.g. earthquakes, hurricanes, floods) and the variety of adjustments (both structural and non-structural) that can be adopted to minimize hazard losses. Second, attention will focus on the ways in which human activities can result in 'environmental' and renewable resource problems. The character, causes and significance of a range of issues will be examined including the CO<sub>2</sub> 'Greenhouse' effect, fluorocarbons and the ozone shield, desertification accelerated soil erosion, the impact of chemical pesticides, and aspects

of air and water pollution (e.g. lead, acid rain, sewage treatment).

2. The role of population growth, technological change, consumerism and market defects in the creation of renewable resource and environmental problems.

3. An assessment of the commonly proposed solutions to renewable resource scarcity, depletion and environmental pollution problems.

4. The socio-economic, administrative, and political difficulties encountered in environmental management in practice. These will be considered at various spatial scales - international, national and local - and will include case material from advanced capitalist, socialist and third world countries.

5. Consideration of the main techniques for assessing the environmental damage caused by development and the benefits of control and conservation (e.g. environmental impact assessment, benefit-cost analysis, landscape evaluation).

**Pre-Requisites:** None.

**Teaching Arrangements:** Lectures (Gy206): Two lectures per week in the Michaelmas and Lent Terms. Classes (Gy206a): Ten classes at fortnightly intervals. The lecturing and class teaching responsibilities are shared by Mr. D. K. C. Jones and Dr. J. A. Rees (Room S506A).

**Reading List:** No one book or small group of books adequately covers the themes considered in the course, and separate reading lists are provided for each distinct part of the syllabus. Basic reading material includes: R. Barnet, *The Lean Years: Politics in the Age of Scarcity*, 1980; I. Burton, R. W. Yates & G. F. White, *The Environment as Hazard*, 1978; R. Carson, *Silent Spring*, 1962; P. R. Ehrlich & A. H. Ehrlich, *Population, Resources and Environment*, 1970; H. D. Foster, *Disaster Planning*, 1979; A. S. Goudie, *The Human Impact*, 1981; R. L. Heathcote, *The Arid Lands: Their Use and Abuse*, 1983; K. Hewitt, *Interpretations of Calamity*, 1983; M. W. Holdgate, *A Perspective of Environmental Pollution*, 1979; G. Mitchell, *Geography and Resource Analysis*, 1979; T. O'Riordan, *Environmentalism* (2nd edn.), 1981; A. U. Kneese & E. L. Schultze, *Pollution, Prices and Public Policy*, 1975; F. Sandbach, *Principles of Pollution Control*, 1982; B. Ward, *Progress for a Small Planet*, 1979; J. Whitlow, *Disasters*, 1980.

**Examination Arrangements:** There is a three-hour formal examination in the Summer Term based on the full syllabus. The examination paper will normally contain 8 or 9 questions from which any 3 must be answered.

### Gy1812

#### Physical Geography

**Teacher Responsible:** Professor C. Embleton, KCL, Room 218 Norfolk Building; Miss H. Scoging, LSE, Room S414.

**Course Intended Primarily for** Course compulsory for B.A./B.Sc. Geography 1st year.

**Scope:** Students are introduced to the systems approach in physical geography, with emphasis placed on global systems, the ecosystem and the hydrological system. Some human and environmental interactions will be introduced in the latter half of the course.

#### Syllabus:

A. Systems in Physical Geography (6 lectures). Nature, structure and processes of systems, concepts of equilibrium and dynamic behaviour, palaeosystems and environmental change.

B. Processes and Patterns in Global Systems (12 lectures). First order controls in environmental systems, earth structure, tectonics, sea level change, climate.

C. The Ecosystem (6 lectures). Structure of ecosystem, function and behaviour, abiotic, biotic factors, succession, evolution, migration.

D. Man and the Hydrological System (13 lectures). Regional and local systems, inputs, throughputs, outputs of hydrological systems, weather systems and human modification, hillslope and channel processes, flooding, pollution, groundwater.

**Teaching Arrangements:** Lectures (Gy101): 40 hours Michaelmas and Lent Terms.

Classes (Gy101a): 20 hours Michaelmas and Lent Terms (for LSE students).

**Reading List:** Comprehensive reading lists will be supplied by course teachers, but the following are basic texts: R. J. Chorley & B. A. Kennedy, *Physical Geography: A Systems Approach*; C. D. Ollier, *Tectonics and Landforms*; K. Simmonds, *Biogeography*; J. Moran, M. Morgan & J. Wiersma, *Introduction to Environmental Science*; R. J. Rice, *Fundamentals of Geology*; R. J. Chorley, *Introduction to Geographical Hydrology*.

**Examination Arrangements:** A three hour formal examination will be held in the Summer Term.

### Gy1816

#### Methods in Geographical Analysis

**Teacher Responsible:** Miss H. Scoging, Room S414 (Secretary, Miss Nesta Herbert, S508)

**Course Intended Primarily for** B.A./B.Sc. Geography (compulsory first year) course unit; Diploma in Geography; Beaver College.

**Scope:** An introduction to techniques of description, analysis, and interpretation of geographical data and interrelationships in human and physical environments; familiarity with basic geographical tools and development of skills, ranging from numerical, statistical and graphical to cartographic and computer-based techniques.

**Syllabus:** Techniques and methodologies in Geography in relation to current paradigms.

1. **The nature of Geographical Data.** Primary and secondary sources: landscape, maps, air photographs and satellite images, texts, survey and census data. Scales of measurement, discrete, continuous data.

2. **Description and organisation of Geographical Data** - Graphical: graphs, histograms, Lorenz curves - Cartographic: map use, constraints imposed by scale projection, generalisation and methods of depiction.

Map design, depiction of land surfaces, statistical surfaces and geological formations. Remote sensing: the use of air photographs and satellite images.

Description of numerical data using statistical

measures of central tendency and dispersion. Field observation of rural and urban landscapes, landscape description.

3. **Exploration of Geographical Relationships.** Spatial associations, cause and effect. Systems structure as a framework for exploring geographical relationships. Cartographic exploration of geographical relationships between phenomena in natural and human environments.

4. **Analysis and Evaluation of Geographical Relationships.** Statistical relationships between samples and populations. Probability and probability distributions. Sampling theory - bias representativeness, use of central limit theories. Estimation theory - confidence intervals, estimates. Hypothesis testing - small and large samples, statistical tests. Sample-population and sample-sample relationships. The nature and degree of relationships between geographical data sets. Correlation and regression analyses applied in Geography.

**Teaching Arrangements:** Lectures: 40 hours - Michaelmas and Lent Terms (Gy104). Classes: 20 x 2 hours - Michaelmas and Lent Terms. Laboratory practical classes (Gy104a). Two whole-day field classes. Field work in the Easter vacation.

#### Written Work:

1. **Practicals:** Presentation of a number of core projects, each comprising a series of integrated themes. Data collection, description, analysis and interpretation will be stressed.

2. **Field Work:** Reports on two supervised group projects and one individual project from the field week. Progress of practical work will be regularly monitored by class teachers and a graduate demonstrator. A record of all practical and field work should be kept by each student (see Examination Arrangements).

**Reading List:** There is no single text book covering the course. Comprehensive reading lists will be provided for each section of the course, and references supplied for individual topics by the teachers responsible.

**General background and context:** A. Holt-Jensen, *Geography, its history and concepts*; D. Gregory, *Ideology: Science and Human Geography*.

**Statistical Applications in Geography:** D. Ebdon, *Statistics in geography: a practical approach*; J. Silk, *Statistical concepts in geography*; G. B. Norcliffe, *Inferential statistics for geographers*; R. Baxter, *Statistical computing techniques for planners*.

**Graphic, Cartographic and pictorial description and analysis:** D. Unwin, *Introductory Spatial Analysis*; G. C. Dickinson, *Maps and air photographs* (2nd edn.); A. Robinson, R. Salt & J. Morrison, *Elements of Cartography* (3rd or 4th edn.); J. R. G. Townsend, *Terrain analysis and remote sensing*.

**Examination Arrangements:** (i) A formal 3-hour examination. 3 questions from a choice of 8-10.60%.

(ii) Five groups of practical exercises, each focused on a geographical theme. Marked on the basis of accuracy, comprehension, evaluation and presentation. Submitted on the day of the formal examination. 25%

(iii) Illustrated written report of field work projects: two supervised; one individual. Individual interpretations of data collected by group will be expected. Presented on the day of the formal examination. 15%.

**Gy1817****Techniques in Physical Geography**

**Teachers Responsible:** LSE, Miss H. Scoging, Room S414 (Secretary, Miss N. Herbert, S508). KCL Advisor, Dr. R. Gardner, Room 453, Norfolk Building. **Course Intended Primarily for** B.A./B.Sc. Geography 2nd year students 1 c.u.

**Scope:** To provide basic laboratory and field training in the techniques commonly used in physical geography.

**Syllabus:**

Term 1. Lectures and practicals provide an introduction to and training in the identification of common rock types; methods in laboratory analysis of physical, chemical and mineralogical properties of materials; particle transport and sedimentation; environmental energy and water fluxes.

Term 2. Analysis of secondary data sources including topographical, geological and geomorphological maps, remote sensing; techniques of correlation and dating, computer modelling and simulation.

**Pre-Requisites:** None.

**Teaching Arrangements:** 4 hours (lectures (Gy213), practicals (Gy213a)) each week during Michaelmas and Lent Terms. Attendance is also required on a 5-6 day field trip during Easter Vacation.

**Written Work and Examinations:**

1. Practical notebook 30%
2. Field Work report 20%
3. Formal 3-hour examination 50%

Written work to be handed in at the beginning of the Summer Term.

**Gy1821****Social Geography: Spatial Change and Social Process**

**Teacher Responsible:** Dr. S. S. Duncan, Room S512 (Secretary, Mrs. A. Naimi, S406)

**Course Intended Primarily for** B.A./B.Sc. c.u. 2nd year; B.Sc. (Econ.) Geography.

**Scope:** An introduction to the political economy of spatial change, concentrating on the urban question and the regional question in advanced capitalist societies especially Britain. However, reference is also made to other examples and situations as appropriate.

**Syllabus:**

- (a) Geography and understanding social change: the critique of quantitative geography and alternatives;
- (b) Spatial patterns and social behaviour;
- (c) Modes of production and regional inequality;
- (d) The labour process and spatial change;
- (e) The reserve army of labour and the urban question;
- (f) Home life, patriarchy and spatial structure;
- (g) Location and culture;
- (h) Ideology, production and consumption in the built environment;
- (i) The capitalist state and the locality.

**Teaching Arrangements:** One lecture course (Gy209) (20 Michaelmas Term, 20 Lent Term) accompanied by fortnightly classes (Gy209a). Classes require prior preparation and active participation by students. 2 essays each term based on seminar discussion.

**Reading List:** No book or books cover the course, and use of research papers etc., will be necessary (most of which are held in the Geography Department, Paper Collections, Room S502). Basic reading would include: J. Irive *et al.*, *Demystifying Social Statistics*, 1979; A. Friend & A. Metcalf, *Slump City: the Politics of Mass Unemployment*, 1981; D. Massey, *Spatial Divisions of Labour*, 1984; J. Anderson, S. Duncan & R. Hudson, *Redundant Spaces in Cities and Regions?*, 1983; G. Stedman Jones, *Outcast London*, 1971; K. Bassett & J. Short, *Housing and Residential Structure: Alternative Approaches*, 1980; P. Saunders, *Urban Politics: a Sociological Approach*, 1979; Women and Geography Study Group, *Geography and Gender*, 1984.

**Examination Arrangements:** One 3-hour sit-down unseen paper (3 questions out of 9), 75% of marks; one extended essay from list provided or via authorised student choice of 3,000 words to be handed in mid-May, 25% marks.

**Gy1822****Urban Geography**

**Teacher Responsible:** Dr. A. M. Warnes, KCL Room 454 Norfolk Building. (LSE Adviser: Mr. J. R. Drewett, Room S408).

**Course Intended Primarily for** 2nd Year B.A./B.Sc. Geography and B.Sc. (Econ.) students. 1 c.u.

**Scope:** Spatial aspects of urbanisation and urban structures with special reference to British and American cities.

**Syllabus:** Concepts of urbanisation and urbanism; the pre-industrial city; social forms and residential patterns in the mercantilist city; industrialisation, economic change and urbanisation in the nineteenth century; the British housing market; the emergence of town planning and its impact on urban social geography; the dimensions of residential segregation in British and American cities; the bases of these dimensions and their spatial expression; the commercial and industrial structures of contemporary cities, contemporary urban problems.

**Pre-Requisites:** A knowledge of human geography is desirable.

**Teaching Arrangements:** There are 40 lectures (Gy210), held twice weekly. Classes (Gy210a) are arranged at LSE and tutorial support is given at KCL.

**Reading List:** D. T. Herbert & C. J. Thomas *Urban Geography: A First Approach*, 1982; H. Carter, *The Study of Urban Geography*, 1981; P. Knox, *Urban Social Geography*, 1981; B. T. Robson, *Urban Social Areas*, 1975; R. E. Pahl, *Whose City?* 1975; K. Bassett & A. Short, *Housing and Residential Segregation*, 1980.

**Examination Arrangements:** One three-hour paper, accounting for 75% of total marks, in which three out of 8-9 questions must be answered. Two course papers to be written during the session (maximum 1,500 words each), accounting for 25% of total marks.

**Gy1824****The Location of Economic Activity**

**Teacher Responsible:** Dr. J. E. Martin, Room S510 (Secretary, Miss Nesta Herbert, S508)

**Course Intended Primarily for** B.A./B.Sc. c.u. Geography, 2nd year. B.Sc. (Econ.) Part II; Diploma. General Course and Beaver College students. (Beaver students. Michaelmas Term only 1985-86).

**Syllabus:** The aim is to make a thorough examination of the more important factors that influence decision-makers in the allocation of investment capital over space. Attention will be paid to theoretical and empirical explanations of the location patterns of economic activity. The assumptions of classical location theory will be reviewed and reassessed in the light of modern developments and experience. In addition to the examination of the classical influences on spatial patterns of production, attention will be given to such elements as the role of technological change and innovation, the organisational structure of firms and their decision making behaviour, the effects of market structure, environmental protection and government intervention. Illustrative material will be taken, as appropriate, from the agricultural, mining, manufacturing and service sectors.

**Pre-Requisites:** Some background in economics will be assumed.

**Teaching Arrangements:**

Lectures (Gy208); 30, twice weekly in the Michaelmas Term, weekly in the Lent Term 1985-86 given by Dr. R. C. Estall (Room S509) and Dr. J. E. Martin (Room S510).

Classes (Gy208a): 10 fortnightly (Dr. Martin). Students will normally be expected to write three essays and to prepare a paper for these classes.

**Reading List:** Several books will be referred to repeatedly and can be regarded as "basic texts". These are: \*P. E. Lloyd & P. Dicken, *Location in Space*, (2nd edn.), 1977; \*R. C. Estall & R. O. Buchanan, *Industrial Activity and Economic Geography*, (4th edn.), 1980; M. Chisholm, *Geography and Economics*, (2nd edn.), 1970; D. M. Smith, *Industrial Location*, (2nd edn.), 1981; G. T. Karaska & D. F. Bramhall (Eds.), *Locational Analysis for Manufacturing*, 1969; F. E. I. Hamilton (Ed.), *Spatial Perspectives on Industrial Organisation and Decision Making*, 1974. \*Books which students need to buy are asterisked.

**Supplementary Reading List:** Additional reading lists will be provided as appropriate.

**Examination Arrangements:** Three hour formal examination in the Summer Term; three questions to be attempted from about ten set.

**Gy1829****Historical Geography of the British Isles**

**Teacher Responsible:** Mr. D. R. Green, KCL, Room 333, Norfolk Building. (LSE Adviser: Mr. D. K. C. Jones, Room S560B).

**Course Intended Primarily for** 2nd Year Geography B.A./B.Sc. and B.Sc. (Econ.) students. 1 c.u.

**Scope:** The course has three principal objectives: to provide an adequate understanding of the evolution of

the British landscape from the Iron Age to the late 19th century; to introduce theoretical and methodological approaches in historical geography and to furnish a working knowledge of the available source materials; to provide a training for the application of this knowledge in the field.

**Syllabus:** The geography of pre-Medieval English settlement; the nature of feudalism; Medieval agriculture, industry and trade; agrarian capitalism in early-modern England; the transition from domestic production to the factory system; transport and commercial innovations in the 18th and 19th centuries; agrarian change in the 18th and 19th centuries; economic, social and political structure of 19th century cities (with special reference to London).

**Pre-Requisites:** None.

**Teaching Arrangements:** The course (Gy212) consists of three components: a series of 36 lectures detailing the major aspects of landscape change; a series of 8-10 classes examining important sources of evidence; a field trip of approximately 5 days' duration to demonstrate historical change in a regional setting.

**Reading List:** Students will be expected to read widely. Short specialist reading lists will be provided in the course of the lectures. The following are recommended: J. Chambers & G. Mingay, *The Agricultural Revolution 1750-1880*, 1966; H. C. Darby (Ed.), *A New Historical Geography of England*, 1976; R. Dodgshon & R. Butlin (Eds.), *An Historical Geography of England & Wales*, 1978; E. Pawson, *The Early Industrial Revolution*, 1979; M. Postan, *The Medieval Economy and Society*, 1972; R. Tawney, *The Agrarian Problem in the Sixteenth Century*, 1912.

**Examination Arrangements:** One three-hour examination consisting of three questions and counting for 70% of the total marks. Two term essays of approximately 2,000 words each, accounting for 30% of the total assessment.

**Gy1840****Geomorphology I**

**Teacher Responsible:** Professor D. Brunsden, KCL, Room 455, Norfolk Building. (LSE Adviser: Miss H. Scoging, Room S414)

**Course Intended Primarily for** B.A./B.Sc. Geography 2nd Year Course Unit, Human Environmental Studies (KCL), Beaver College and Civil Engineering students.

**Scope:** Students are introduced to the main processes of landform sculpture under differing climatic and structural environments, and to the techniques used in process investigations.

**Syllabus:**

Weathering and Mass Movements: Basic geomorphological characteristics, stress-strain relationships, climatic and geologic controls on weathering, physical biotic and chemical weathering. Products of weathering. Mass movements, physical principles, soil creep, block fall, landslides, debris flows. Application to engineering and human impact. (10 lectures).

Glacial and periglacial process; physical principles of ice and glacier formation. Glacial budgets, ice determination. Principles of glacial erosion and deposition, and resulting landforms. Past and present

















**Scope:** The analysis of the key issues involved in the management of natural resources, through study of resource and environmental planning theory and by the assessment of decision-making and policy formulation in practice.

**Syllabus:** The course has three major components: (a) General concepts in resource management, including such issues as the nature of resources; problems of common property resources; scarcity problems, causes and nature of declining environmental quality and environmental perception. (b) Management of productive resources in the public and private sectors, including investment appraisal and impact analysis, administrative needs and policy formulation. (c) Management for environmental quality; aims and techniques of decision-making, administration, law, political constraints, public participation and the role of pressure groups. These issues will be considered both for advanced and less developed economies.

**Pre-Requisites:** None. A knowledge of elementary economic theory would be an advantage but is not essential.

**Teaching Arrangements:** Michaelmas Term: 20 lectures (Gy311) Lent Term: 10 Seminars/Classes (Gy412) (1½ hour duration). M.Sc. Geography students will also be required to take 5 classes in **Techniques in Resource Management**.

**Reading List:** No single book or even a small group of books cover the material adequately. Reading lists are provided for each distinct part of the syllabus and for each seminar topic. Basic reading material includes: J. A. Rees *Natural Resources: Location Economics and Policy*; T. O'Riordan, *Environmental*; T. O'Riordan & R. K. Turner, *An Annotated Reader in Environmental Planning and Management*; F. Sandbach, *Environment, Ideology and Policy*; O'Riordan *et al.*, *Progress in Resource Management and Environmental Planning*, Vols. 1, 2 and 3; R. H. Haveman & A. V. Kneese, *The Economics of Environmental Policy*; R. Levitt, *Implementing Public Policy*; J. A. Butlin, *Economics and Resources Policy*; V. K. Smith (Ed.), *Scarcity and Growth Reconsidered*; J. E. Tilton, *The Future of Non-Fuel Minerals*; C. W. Howe, *Natural Resource Economics, Issues Analysis and Policy*; P. Dasgupta, *The Control of Resources*; J. H. Cobbe, *Governments and Mining Companies in Developing Countries*.

**Examination Arrangements:** There is a three-hour formal examination paper.

### Gy2823

#### Spatial Aspects of Change in Economic Activity

**Teacher Responsible:** Dr. J. E. Martin, Room S510 (Secretary, Miss N. Herbert, S508)

**Course Intended Primarily for** M.Sc. in Geography.

**Scope:** To examine spatial aspects of change in economic activity with special reference to manufacturing industry.

**Syllabus:** Spatial change at the scale of the enterprise: decision making on plant transfer and investment; research problems in empirical study of location and relocation. Change at the city scale; metropolitan

economic advantage; linkage and migration. Forces in evolving regional advantage; process of locational shift.

**Pre-Requisites:** Economics and geography at First Degree level.

**Teaching Arrangements:** 16 Seminars (Gy413) usually of 1½ hours duration, weekly in the Michaelmas and Lent Terms.

**Reading List:** R. D. Dean, W. H. Leahy & D. L. McKee (Eds.), *Spatial Economic Theory*; F. E. I. Hamilton (Ed.), *Spatial Perspectives on Industrial Organisation & Decision Making*; L. Collins & D. F. Walker (Eds.), *Locational Dynamics of Manufacturing Activity*; H. D. Watts, *The Large Industrial Enterprise*; R. Oakey, *High Technology Industry & Industrial Location*; R. Leigh, D. North, *et al.*, *Monitoring Manufacturing Employment Change in London, 1976-1981*; B. & J. Klebaner (Eds.), *New York City's Changing Economic Base*.

**Examination Arrangements:** One three-hour paper at the end of the academic year.

### Gy2824

#### Geography of Transport Planning

**Teacher Responsible:** Dr. K. R. Sealy, Room S564 (Secretary, Mrs. A. Naimi, S406)

**Course Intended To be an optional course for the M.Sc. in Geography, but other M.Sc. students wishing to take a transport option may be included at the discretion of the student's advisor and Dr. Sealy.**

**Scope:** Students with little or no knowledge of transport take the basic Courses Ec149 and, if appropriate, Gy313 and Ec150. The remaining 15/20 meetings of this course are aimed at covering the specialist requirements of individual students. Thus, e.g. air transport students would study airline and airport problems at a depth beyond that reached in the basic courses.

**Syllabus:** Basic training – see Ec149, Ec150 and Gy313. Beyond the basic requirements, there is no set syllabus, content depends upon students' interests. Contact is in the form of seminars and written work on specific topics.

**Pre-Requisites:** Economics and geography at First Degree level. No specialist knowledge in transport is required.

**Teaching Arrangements:** Basic courses in the form of lectures and classes (EH131; Gy313a). Weekly seminars (Gy414) individual written work and practical exercises where appropriate.

**Reading List:** No set reading apart from that associated with the basic courses.

**Examination Arrangements:** For students taking the M.Sc. this is a written three-hour examination. A student may also take a transport topic for his dissertation in the M.Sc. (Geography).

### Gy2825

#### Cartographic Communication

**Teacher Responsible:** Dr. C. Board, Room S413 (Secretary, Mrs. J. Jennings, Room S406)

**Course Intended Primarily for** M.Sc. Geography and M.Phil/Ph.D. students. (M.Sc. Geography 3(f) a subject of comparable range)

**Scope:** The course embraces both the theoretical and abstract aspects of communicating geographical information through the medium of maps.

**Syllabus:** The process of communicating geographical information by means of maps. The map designer's perception of the real world; map design for particular purposes; how information is obtained from maps. Evaluating the quantity and quality of information derived from maps. Assessing performance in map use. **Pre-Requisites:** Candidates whose first degree courses did not include the treatment of analytic map design in relation to map use will be required to attend **Map Design and Evaluation** (Gy1950).

**Teaching Arrangements:** 15 fortnightly seminars (Gy415) 1½ hours Sessional. Topics for discussion include recently published papers; outlines of research projects; reports on research given by visiting experts; critical reviews of prototypes, proof copies and newly published maps and atlases. Visits to map producing agencies are usually arranged during the course.

**Written Work:** Each member is expected to write at least one paper a year on a topic covered by the syllabus. Those following Gy1950 above will naturally complete the course work for that course. M.Sc. candidates opting to follow this course for paper 3 will be given regular essays by the teacher responsible, who will provide further reading.

**Reading List:** J. S. Keates, *Understanding Maps*, Longman; A. H. Robinson, *The Look of Maps*, Wisconsin; A. H. Robinson & B. Petchenik, *The Nature of Maps*, Chicago; L. Guelke (Ed.), *Maps in Modern Geography*, Toronto; Dr. F. Taylor (Ed.), *Graphic Communication and Design in Contemporary Cartography*, Wiley; C. Board (Ed.), *New Insights in Cartographic Communication*, Cartographica, Volume 21 No.1, Toronto.

**Examination Arrangements:** For M.Sc. candidates only, one essay type paper with three from a choice of seven or eight unseen questions. These may include questions on specific maps which will be made available for the examination in question.

Two coursework projects each limited to a maximum of 1,500 words. One a justified outlines of a design for a map with a specified purpose; the second, a discussion of appropriate ways of evaluating a published map.

### Gy2860

#### Geographical Aspects of Regional and Urban Planning

**Teacher Responsible:** Dr. N. A. Spence, Room S565 (Secretary, Mrs. P. Farnsworth, Room S409)

**Course Intended Primarily for** M.Sc. Regional & Urban Planning Studies.

**Scope:** The contribution of geographical analysis to issues in urban and regional planning.

**Syllabus:** The application of locational and spatial concepts to problems of urban and regional planning; urban land use; location theory, urban and regional spatial structure, national settlement systems; and public policy impact assessment.

**Teaching Arrangements:** 6 lectures in the Michaelmas Term by Mr. Drewett and Dr. Spence under the title of **Comparative Studies in Spatial Policy** (Gy309) and 10 lectures under the title **Planning Techniques and Models II** (Gy416), together with 14 seminars by Professor Diamond and Dr. Spence under the title of **Spatial Theory in Regional and Urban Planning** (Gy451). Students will also be expected to attend the majority of the meetings of the **Geographical Research Seminar** (Gy407), and they may also be directed to relevant portions of other selected courses, including **Planning Techniques and Models I** (Gy312). Students who wish to substitute the following courses for Gy309 and Gy451 may be permitted to do so on application to Dr. Hebbert. **Resource Management and Environmental Planning**, 10 Seminars in Lent Term (Gy412), and **Resource and Environmental Management**, 20 lectures in Michaelmas Term (Gy311).

**Reading List:** Extensive reading lists are circulated for each of the main topics. The following are considered an essential basis: B. J. L. Berry, *The Human Consequences of Urbanisation*; B. J. L. Berry & F. E. Horton, *Geographic Perspectives on Urban Systems*; L. S. Bourne, *Urban Systems: Strategies for Regulation*; L. S. Bourne, *Internal Structure of the City*; L. S. Bourne & J. W. Symmons, *Systems of Cities*; F. S. Chapin & E. J. Kaiser, *Urban Land Use Planning*; D. R. Diamond & N. A. Spence, *Regional Policy Evaluation*; D. V. Donnison & P. Soto, *The Good City*; A. J. Fielding, *Counterurbanisation in W. Europe*; J. Friedmann & W. Alonso, *Regional Development & Planning*; J. Friedmann & C. Weaver, *Territory & Function*; P. Haggett *et al.*, *Locational Models*; P. Hall, *Theory & Practice of Urban & Regional Planning*; N. Hansen, *Human Settlement Systems*; J. B. McLoughlin, *Urban & Regional Planning – a Systems Approach*; M. J. Moseley, *Growth Centres in Spatial Planning*; A. Pred, *City Systems in Advanced Economies*; R. Rhoda, *Urban and Regional Analysis*; N. A. Spence, *et al.*, *British Cities: An Analysis of Urban Change*; F. J. B. Stillwell, *Economic Crisis, Cities & Regions*.

**Examination Arrangements:** There is a three hour formal examination in June based on the entire syllabus. Normally candidates will answer three questions from a choice of eight. Copies of previous years' papers are available for consultation. In addition candidates are required to show competence in the use of quantitative methods employed in planning by submitting a small quantitative project set in the **Planning Techniques and Models II** course.

**GOVERNMENT**

*This section is in two parts. The first part lists the lectures and seminars given by the department. The list provides a cross reference to the Study Guide(s) in which the syllabus and the reading list associated with the lecture or seminar can be found. The second part contains the Study Guides, presented in Study Guide number sequence.*

**Lectures and Seminars**

<i>Lecture/ Seminar Number</i>			<i>Study Guide Number</i>
Gv100	<b>An Introduction to Political Thought: the Greeks</b> Dr. J. B. Morrall	20/ML	Gv3000
Gv101	<b>The Language of Politics</b> Professor K. Minogue	25/MLS	Gv3001
Gv102	<b>Political Thought</b> Professor K. Minogue	30/ML	Gv3120
Gv104	<b>Three Key Mediaeval Political Thinkers</b> Dr. J. B. Morrall	10/L	Gv104; Gv3120
Gv105	<b>Political Thought (A Selected Text)</b>	20/ML	Gv3130-3138
Gv106	<b>French Political Thought</b> Professor M. W. Cranston	20/ML	Gv106; Gv3120
Gv107	<b>Political Philosophy</b> <i>(Not available 1985-86)</i> Mr. J. C. R. Charvet and Dr. R. R. Orr	20/ML	Gv3121
Gv109	<b>Modern Political Thought</b> <i>(Not available 1985-86)</i> Mr. E. Thorp	20/ML	Gv3122
Gv110	<b>The Political Thought of Hegel and Marx</b> <i>(Not available 1985-86)</i> Professor E. Kedourie	15/ML	Gv110
Gv149	<b>Modern Politics and Government Class</b> (for Trade Union Studies Course) Mr. D. B. O'Leary	25/MLS	Gv3010
Gv150	<b>Modern Politics and Government with special reference to Britain</b> Dr. R. Barker, Professor G. W. Jones and Dr. P. Dunleavy	25/MLS	Gv3010
Gv151	<b>History of British Politics from the 17th to the 20th Century</b> Mrs. A. Bennett	25/MLS	Gv3020
Gv152	<b>History of British Politics in the 20th Century</b> Mr. A. J. Beattie and Mr. A. J. L. Barnes	26/ML	Gv3021; Gv4027
Gv154	<b>Administrative Organisation and Behaviour — Seminar</b> Professor W. Plowden	5/L	Gv3035; Gv4160

<i>Lecture/ Seminar Number</i>			<i>Study Guide Number</i>
Gv156	<b>British Government and Bureaucracy</b> Professor G. W. Jones	10/M	Gv3035; Gv4160
Gv157	<b>Aspects of Comparative Local Government</b> Professor G. W. Jones	10/M	Gv4162
Gv158	<b>Aspects of Comparative Local Government — Seminar</b> Professor G. W. Jones	10/L	Gv4162; Gv4164
Gv159	<b>Urban Politics</b> Dr. P. Dunleavy	10/M	Gv4161; Gv4162; Gv4164
Gv160	<b>Comparative Political Analysis</b> Dr. G. R. Smith, Dr. G. D. E. Philip Mr. G. Schöpflin, Mr. D. B. O'Leary and Mr. J. T. S. Madeley	20/ML	Gv3046
Gv161	<b>Comparative Political Institutions</b> Mr. L. A. Wolf-Phillips, Professor W. Letwin, Mr. P. B. Reddaway and Dr. H. Machin	20/ML	Gv3047
Gv163	<b>The Politics and Government of France</b> Dr. H. Machin	23/MLS	Gv3050
Gv164	<b>The Politics and Government of the U.S.A.</b> Professor W. Letwin	20/ML	Gv3053
Gv165	<b>The Politics and Government of Russia</b> Mr. P. B. Reddaway and Mr. H. J. White	25/ML	Gv3052; Gv4051; Gv4052; Gv4053; Gv4054; Gv4050
Gv167	<b>The Politics and Government of Germany</b> Dr. G. R. Smith (Dr. Lohneis L.T.)	25/MLS	Gv3051; Gv4100
Gv168	<b>The Politics and Government of Scandinavia</b> Mr. J. T. S. Madeley	22/MLS	Gv3056; Gv4110
Gv169	<b>Communism and Nationalism in Eastern Europe since 1944</b> Mr. G. Schöpflin	23/MLS	Gv3055; Gv4060
Gv170	<b>An Introduction to Latin American Politics</b> Dr. G. D. E. Philip	15/ML	Gv3057; Gv4140
Gv171	<b>Public Policy: Political and Economic Aspects</b> Professor W. Letwin	20/ML	Gv3036
Gv172	<b>Political Ideas in the United Kingdom</b> Dr. R. S. Barker	25/ML	Gv3026
Gv173	<b>Political Behaviour with special reference to the United Kingdom</b> Dr. T. J. Nossiter	20/ML	Gv3027; Gv4041

<i>Lecture/ Seminar Number</i>			<i>Study Guide Number</i>
Gv174	<b>Cabinet Government and the National Policy Process</b> Mr. A. J. L. Barnes and Mrs. A. Bennett	20/ML	Gv3028
Gv175	<b>British Constitutional Ideas since the 1880s</b> Mr. A. J. Beattie	25/MLS	Gv3029; Gv4026
Gv200	<b>History of Political Thought — Seminar</b> Professor E. Kedourie, Mr. K. Minogue Dr. R. R. Orr and Mr. E. Thorp	30/MLS	Gv4000; Gv4001
Gv201	<b>Political Philosophy — Seminar</b> Professor M. W. Cranston, Mr. J. C. R. Charvet, Dr. R. R. Orr and Dr. F. Rosen	15/MLS	Gv201
Gv203	<b>Greek Political Philosophy: the Concept of Justice — Seminar</b> Dr. F. Rosen	15/MLS	Gv4005
Gv204	<b>Modern Political Philosophy: Freedom and Equality — Seminar</b> Mr. J. C. R. Charvet	15/MLS	Gv4006
Gv206	<b>Politics and Government of the U.K. — Seminars</b> Mr. A. J. Beattie, Dr. R. S. Barker and Mr. A. J. L. Barnes	17/ML	Gv4025; Gv4028 Gv4026; Gv4027
Gv209	<b>Comparative Government Seminar</b> Mr. L. A. Wolf-Phillips	20/ML	Gv4065
Gv210	<b>Political Sociology — Seminars</b> Dr. T. J. Nossiter, Mr. J. T. S. Madeley, Dr. M. Lodhi and others	56/MLS	Gv4040; Gv4041; Gv4042
Gv211	<b>Public Policy and Planning</b> Dr. P. Dunleavy	10/M	Gv4161; Gv4164
Gv212	<b>Theories of the State and Policy Making</b> Dr. P. Dunleavy and Mr. D. B. O'Leary	6/L	Gv4161; Gv4164
Gv213	<b>Public Policy Formulation — Seminar</b> Dr. P. Dunleavy	10/M	Gv4161
Gv214	<b>Policy Analysis Seminar</b> Dr. P. Dunleavy	12/LS	Gv4161
Gv215	<b>Data Analysis for Political Science and Public Policy — Seminar</b> Dr. P. Dunleavy	10/ML	Gv4161
Gv216	<b>Administrative Theories</b> Mr. D. B. O'Leary	10/L	Gv3035; Gv4160
Gv217	<b>Urban and Regional Planning: Politics and Administration</b> Dr. M. Hebbert	10/L	Gv4162; Gv4164

<i>Lecture/ Seminar Number</i>			<i>Study Guide Number</i>
Gv218	<b>Urban and Regional Planning: Politics and Administration — Seminar</b> Dr. P. Dunleavy and Dr. M. Hebbert	20/ML	Gv4164
Gv220	<b>Public Enterprise</b> Professor H. W. Parris	10/ML	Gv4163
Gv221	<b>Problems of Public Enterprise — Seminar</b> Professor H. W. Parris	10/L	Gv4163
Gv222	<b>Public Administration — Seminar</b> Professor G. W. Jones and Mr. D. B. O'Leary	20/ML	Gv4160
Gv224	<b>The British Civil Service — Seminar</b> Professor G. W. Jones and Mr. P. F. Dawson	10/L	Gv3035; Gv4160
Gv225	<b>French Government Seminar</b> Dr. H. Machin	23/MLS	Gv4090
Gv226	<b>West-European Studies — Interdepartmental Seminar</b> Dr. G. R. Smith, Dr. H. Machin, Mr. J. T. S. Madeley, Dr. A. Sked and Dr. P. G. Taylor	23/MLS	Gv226; Gv4071
Gv227	<b>Soviet and East European Politics — Seminar</b> Mr. G. Schöpflin and Mr. P. B. Reddaway	25/MLS	Gv4051- Gv4054; Gv4060
Gv228	<b>Russian Politics and Political Thought — Seminar</b> Mr. H. J. White, Mr. P. B. Reddaway and Dr. A. Knight	30/MLS	Gv4050; Gv4051- Gv4054
Gv229	<b>Politics and Government of the Middle East</b> (Not available 1985-86) Professor E. Kedourie	10/L	Gv229
Gv230	<b>Government and Administration in New and Emergent States</b> Mr. P. F. Dawson	10/L	Gv4120; Gv4121; Gv4122
Gv231	<b>Government and Administration in New and Emergent States — Seminar</b> Mr. P. F. Dawson	6/S	Gv4120; Gv4121; Gv4122
Gv232	<b>Government Regulation of the American Economy — Seminar</b> Professor W. Letwin	15/LS	Gv4130
Gv233	<b>Comparative Constitutions — Seminar</b> (Not available 1985-86) Mr. L. A. Wolf-Phillips	10/L	
Gv234	<b>European Multi-Party Systems — Seminar</b> Dr. G. R. Smith	22/MS	Gv4091

Lecture/ Seminar Number		Study Guide Number	
Gv235	<b>The Politics and Government of Germany — Seminar</b> Dr. G. R. Smith (Dr. Lohneis L.T.)	25/MLS	Gv4100
Gv237	<b>The Politics and Government of Western Europe — Seminar</b> Dr. G. R. Smith, Dr. H. Machin and Mr. J. T. S. Madeley	23/MLS	Gv4071
Gv238	<b>Latin American Studies Seminar: Latin American Policies</b> Dr. G. D. E. Philip	15/ML	Gv4140
Gv239	<b>Development in Latin America — Seminar</b> Dr. G. D. E. Philip	20/ML	Gv4140
Gv240	<b>Public Policy in Latin America n Seminar</b> Dr. G. D. E. Philip	10/L	Gv4161
Gv241	<b>The Politics and Government of Italy</b> Dr. D. Hine	4/M	Gv4165; Gv4071
Gv242	<b>Public Policy in Italy and France</b> Dr. H. Machin	23/MLS	Gv4165
Gv245	<b>Administrative Theory and Practice</b> Professor J. Bourn	10/M	Gv3035; Gv4160
Gv246	<b>Communism in India</b> Dr. T. J. Nossiter	10/L	Gv246; Gv4040

**Study Guides****Gv104****Three Key Medieval Political Thinkers**

Teacher Responsible: Dr. J. B. Morrall, Room K205 (Secretary, K105)

Course Intended Primarily for 2nd or 3rd year B.Sc. (Econ.) Part II students.

Syllabus: A study of St. Augustine of Hippo, St. Thomas Aquinas and Marsiglio of Padua as illustrations of the development of political thinking in the Middle Ages.

Teaching Arrangements: Ten lectures in Lent Term (weekly).

Reading List: R. H. Barrow, *Introduction to Book XIX of St. Augustine's City of God*; A. P. Entrèves, *Aquinas: Selected Political Writings*; A. Gewirth, *Marsilius of Padua*, Vols. I and II; H. A. Deane, *The Political and Social Ideas of St. Augustine*; P. Brown, "St Augustine" in his *Religion and Society in the Age of St. Augustine*; N. A. Baynes, "The Political Ideas of St. Augustine's *De Civitate Dei*" in his *Byzantine Essays*; T. Gilby, *Principality and Polity: Aquinas and the Rise of State Theory in the West*; A. P. Entrèves, *The Medieval Contribution to Political Thought*; J. B. Morrall, *Political Thought in Medieval Times*.

The background of medieval intellectual history and culture may be studied in J. B. Morrall, *The Medieval Imprint*, and W. B. Cook & R. B. Herzman, *The Medieval World View*.

Examination Arrangements: Questions to which the course is relevant will be included in the medieval section of the general paper on Political Thought.

**Gv106****French Political Thought**

Teacher Responsible: Professor M. W. Cranston, Room L104 (Secretary, Mrs. P. da Gama Pinto, L103)

Course Intended Primarily for B.Sc. (Econ.) Part II and all interested graduate and undergraduate students.

Syllabus: Aspects of French political thought from the late Renaissance to the contemporary world.

Teaching Arrangements: Twenty lectures (Gv106), Michaelmas and Lent Terms.

Reading List: J. W. Allen, *Political Thought in the Sixteenth Century* (1951); F. J. C. Hearnshaw, *Social and Political Ideas of the Renaissance and Reformation* (1925); K. Martin, *French Liberal Thought in the Eighteenth Century* (1958); C. Frankel, *The Faith of Reason* (1948); E. Cassirer, *The Philosophy of the Enlightenment* (1951); J. Droz, *Histoire des doctrines politiques en France* (1948); M. Leroy, *Histoires des idées sociales en France* (1947-1954); J.-J. Chevallier, *Les grandes oeuvres politiques* (1949); J. P. Mayer, *Political Thought in France* (1961); R. Soltau, *French Liberal Thought in the Nineteenth Century* (1931); J. Touchard, *Histoire des idées politiques* (1962).

Examination Arrangements: None.

**Gv110****The Political Thought of Hegel and Marx**

(Not available 1985-86)

Teacher Responsible: Professor E. Kedourie, Room A150 (Secretary, K105)

Course Intended Primarily for undergraduate and graduate students.

Syllabus: The main lines of Hegel's political thought; the Hegelian tradition and its transformations. The political thought of Marx.

Teaching Arrangements: Ten lectures (Gv110), Michaelmas Term and five in the Lent Term.

Examination Arrangements: None.

**Gv201****Political Philosophy (Seminar)**

Teacher Responsible: Professor M. W. Cranston, Room L104 (Secretary, Mrs. P. da Gama Pinto, L103)

Course Intended Primarily for graduate students.

Syllabus: There is no set syllabus, but papers will be arranged on topics within the field of Political Philosophy.

Examination Arrangements: None.

**Gv215****Data Analysis for Political Science and Public Policy (Seminar)**

Teacher Responsible: Dr. Patrick Dunleavy, Room L302 (Secretary, Miss Ann Boucher, K108)

Course Intended Primarily for Research students; Optional for M.Sc. students.

Syllabus: The application of methods for analysing quantitative data in political science and policy studies. Using mainly exploratory statistics and facilities available on the SCSS package, this course is intended for beginners wishing to develop their own empirical studies. Prior completion of the introductory reading below or familiarity with basic statistics is useful however.

Teaching Arrangements: Ten seminars (Gv215), Michaelmas and Lent Terms, with a set-up session in the fourth week of Michaelmas. Teaching is conducted in a workshop form with alternate weeks dealing with the development of computing skills at the terminals and with learning relevant statistical techniques in the classroom. Each session teaches a new set of skills with cumulative effects, so that attendance at the set-up session and regularly thereafter is important.

Introductory Reading: D. Rowntree, *Statistics Without Tears*.

Basic Texts: B. Erickson & T. Nosanchuk, *Understanding Data*; SCSS, *Short Guide*.

Examination Arrangements: None.

**Gv226****West European Studies**

Seminar Co-ordinator: Dr. H. Machin, Room L204 (Secretary, L207)

Other staff participants: J. T. S. Madeley, A. Sked, G. R. Smith, P. Taylor.

Course Intended Primarily for all graduates and staff



but both general questions and the particular texts will be discussed.

**Written Work:** Essays and papers for class presentation.

**Methods of Work:** The subject requires both a knowledge of the texts, and a capacity for analyzing general ideas. It is to some extent designed to provide a map of the confusing terrain found in the study of politics, an area which may be investigated historically, philosophically, technically, descriptively, mathematically and in a variety of other ways. The ballast of the course consists in acquiring a familiarity with the four texts by Machiavelli, Burke, Hegel and Marx. But the more the student thinks about general issues, the better.

**Reading List:** There is of course, a very large literature on each of the four texts, and lists of such material will be given out during the course. Much the most important thing is an intelligent reading and re-reading of these four works: Machiavelli, *The Prince*; Edmund Burke, *Reflection on the Revolution in France*; Hegel, *Reason in History: Introduction to Lectures on the Philosophy of World History* (Translation Nesbit); Karl Marx, *Early Texts* (Edited McClellan). In addition, the student might consider some of the following:

Herbert Butterfield, *The Statecraft of Machiavelli*; Sydney Anglo, *Machiavelli: A Dissection*; Quentin Skinner, *Machiavelli* (Past Masters series); Charles Parkin, *The Moral Basis of Burke's Political Thought*; Peter J. Stanlis, *Edmund Burke and the Natural Law*; Raymond Plant, *Hegel*; John Plamenatz, *Marx and Society*, Volume II; George Armstrong Kelly, *Idealism, Politics and History*; David McLellan, *The Thought of Karl Marx: An Introduction*; Eugene Kamenka, *The Ethical Foundations of Marxism*; Robert Tucker, *Philosophy and Myth in Karl Marx*. There are no books which cover the general material on politics in the course, but the following raise questions of a similar kind:

J. D. B. Miller, *The Nature of Politics*; Hannah Arendt, *Between Past and Future*; *The Origins of Totalitarianism*; James Boulton, *The Language of Politics in the Age of Wilkes and Burke*; George Orwell, "Politics and the English Language" and such other essays on language as the appendix to *Nineteen Eighty Four*; Elias Canetti, *Crowds and Power*; Kenneth Hudson, *The Language of Modern Politics*; J. P. Stern, *The Führer and the People*.

**Examination Arrangements:** The examination takes place in the Summer Term, and consists of one three-hour paper in which the student must answer four questions out of twenty four. The paper has been artfully designed so that a candidate must answer questions on at least two of the texts, preferably three, and four if he should so choose. Students should ponder the format of the papers from previous years, which can be found in the library.

## Gv3010

**Modern Politics and Government with Special Reference to Britain**

**Teacher Responsible:** Professor G. W. Jones, Room L210 (Secretary, Miss Ann Boucher, K108)

**Course Intended Primarily for** B.Sc. (Econ.) Parts I and II; B.Sc. c.u.; Trade Union Studies.

**Scope:** The objective of the course is to provide an introduction to the institutions and processes of politics and government, to key concepts of politics and government, and to the study of politics and government, mainly through an examination of politics and government in modern Britain.

**Syllabus:** This subject offers an introduction to the study of politics and government, with its main emphasis on Britain. It entails a general understanding of political concepts (such as 'legitimacy', 'pluralism', 'consensus', 'representation', 'responsibility' and 'rights') and associated political theories, as well as the institutions and processes of government. General subjects covered are the nature of politics and government; the different forms of government in the modern world such as authoritarianism, totalitarianism, and various kinds of democracy; economic and social influences upon the political system; the relations between politics and administration; the possible meanings of public interest; and the relation of democratic theories to the methods of reaching government decisions. The principal part of the course is an examination in detail of Britain as a particular form of constitutional and democratic government, including representative institutions, parties and pressure groups, Parliament, the Cabinet, the operations of central and local government, and political culture and traditions. Modern British government is also intended to provide the principal illustrations for the general subjects covered in the course.

**Pre-Requisites and Co-Requisites:** Nil. The course is designed to be appropriate both for those who are studying politics and government and British politics and government for the first time and for those who have undertaken study of these subjects at 'A' level.

**Teaching Arrangements:** Lectures: Gv150. Twenty-five lectures will be given weekly throughout the session. Professor Jones will give the first eight, Dr. Patrick Dunleavy the next six, Dr. Rodney Barker the next ten, while the last one will be a revision session, when the three lecturers will appear as a panel to whom students can put comments and questions. The lecturers will distribute notes and bibliographies relevant for their lectures. Students are expected to attend these lectures.

N.B. Dr. P. Dunleavy Room L302

Dr. R. Barker Room K100

Classes: Gv150(a). Students will be allocated to classes during the first weeks of the session. These will meet weekly throughout the session. Attendance is compulsory. The class teacher is responsible for the class. Usually students present an essay which is then discussed by the class. The class teacher devises the programme of work, including a booklist, assigns topics to students, and generally guides the class through the syllabus.

Gv149 **Modern Politics and Government** Class, Sessional, for Trade Union Studies only.

**Written Work:** The Chapman Report on Teaching Arrangements recommends that "a student should normally produce at least one piece of written work for every five classes, or two pieces each term". There may be variations depending on the class teacher, who is responsible for marking and grading the essays.

**Methods of Work:** The syllabus is very broad. It covers a range of issues. The lectures will not be able to deal with every topic, nor will the classes. They are intended to introduce, to stimulate, and to guide. Students on this course are expected to spend a great deal of time on private reading, thinking and writing. They cannot succeed simply by attending lectures and classes. Since so many students take this course and since many class teachers are used, students will find that different classes are investigating different topics in different weeks. Students should not be alarmed at the lack of uniformity. There would be undue pressure if over a hundred students were seeking the same books in the same week. Different teachers will emphasize different aspects, but all will be working to the common syllabus. The final examination paper will reflect the diversity of the teaching.

**Reading:** Students receive reading lists from the lecturers and class teachers, who guide them about what are the most introductory, general, essential and relevant books to particular topics or issues. Students should not be worried at the length of such lists. Often many titles are suggested because teachers know that students may be unable to find books on a short list, given the great demand for particular works. So alternatives are listed.

**Reading List:** P. Norton, *The British Polity*; J. Dearlove and P. Saunders, *Introduction to British Politics*; S. H. Beer, *Modern British Politics*; H. Drucker et al., *Developments in British Politics*; S. H. Beer, *Britain Against Itself*; David Coates, *The Context of British Politics*; I. McLean, *Dealing in Votes*; P. Dunleavy and C. T. Husbands, *British Democracy at the Crossroads*; G. Poggi, *The Development of the Modern State*; S. E. Finer, *Comparative Government*; B. Crick, *In Defence of Politics*; C. Pateman, *Participation and Democratic Theory*; P. Singer, *Democracy and Disobedience*; R. A. Dahl, *Dilemmas of Pluralist Democracy*; S. Lukes, *Power: A Radical View*; C. Lindblom, *Politics and Markets*.

**Lectures in Other Departments:** If students can spare the time, they may find it helpful to attend the lecture series in the Law Department, LL100 **Public Law. Elements of Government**, which looks at many of the topics covered by our course, but through the eyes of lawyers. They often have as lecturers outside academics and other experts in the practice of government and politics. Students may also find it useful to attend lectures on related subjects: class teachers and tutors can give advice.

**Examination Arrangements:** The examination takes place in the Summer Term, and consists of a single formal and unseen examination paper of around sixteen questions, of which students are expected to answer four with brief essays in three hours. Students are

advised to look at old examination papers (available in the Library) to familiarise themselves with the style of the examination paper and the nature of the questions.

## Gv3020

**History of British Politics from the Seventeenth to the Twentieth Century**

**Teacher Responsible:** Anthea Bennett, Room K101 (Secretary, Mrs. Eileen Gregory, L208)

**Course Intended Primarily for** B.Sc. (Econ.) Part II. Please note that this is, from 1985 onwards, a one-year course.

**Scope:** The course provides a historical study of the political and institutional arrangements prevailing at any given period between 1660 (the Restoration of Charles II) to 1922 (the fall of the Lloyd George coalition) of the ideas and events associated with them and of the process by which they change and develop.

**Syllabus:** The major themes covered include the attempt to work the Restoration compromise; the significance and working out of the Revolution of 1688; the growth of political stability in the early decades of the eighteenth century, which prepared the way for the dominance of the landed aristocracy throughout the political life of that century; the evolution of the Cabinet to a position of political importance. The most important major theme centres around the changing roles of Monarch, Parliament and Cabinet throughout the period, and on the interaction between them. Attention is also given to the development of the two party system; to attempts to achieve and to the achievement of political reform and to the emergence of a political structure which welds together strong government and representative democracy. Time will be devoted to the stresses affecting this system at the end of the period covered. A detailed syllabus will be presented to students at the beginning of the course.

**Pre-Requisites:** None.

**Teaching Arrangements:** 25 lectures (Gv151) and 15 classes (Gv151a). Both lectures and classes will be given by Anthea Bennett.

**Written Work:** Each student will be expected to present two pieces of written work (these may include class papers) each term.

**Methods of Work:** The syllabus is very broad in outline and scope; although detailed and exacting in specific areas, chosen by the student, for detailed study. Given the wide sweep of the Syllabus, the student necessarily finds him/herself specializing where especial interest directs attention. Neither the lectures nor the classes will be able to deal with every topic. The lectures are intended to introduce, to stimulate, and to guide. Students on this course are expected to spend a great deal of time on private reading, thinking and writing. They cannot succeed simply by attending lectures and classes. Private study is essential.

**Reading List:**

Recommended *introductory* reading is given here. A detailed and comprehensive reading list will be given to students at the beginning of the course.

Antonia Fraser, *Charles II*; Geoffrey Holmes (Ed.),





Special attention will be devoted to the relationship between permanent officials and politicians and to the role of the Prime Minister's personal staff.

**Pre-Requisites:** No formal requirements, but some knowledge of British Government is really essential. For those who have none, a reading of R. Rose, *Politics in England. An Interpretation for the 80s* would be a good start.

**Teaching Arrangements:** There will be 10 lectures (Gv174), 8 classes (Gv174a) and 10 seminars (Gv174). The lectures will be given alternately, and separate classes taught, by **Mrs. Bennett** and **Mr. Barnes**. The Lent Term seminars will for the most part have outside speakers, but on occasion a videotape will be shown and discussed.

**Written Work:** Students may be required to present up to two essays in each of the Michaelmas and Lent Terms. They will certainly be asked to write at least one long essay by the end of the Christmas vacation. They may also be called on to give class papers.

**Reading List: Introductory:** P. Gordon Walker, *The Cabinet* (Fontana edn.); J. P. Mackintosh, *The British Cabinet* (3rd edn.); A. King (Ed.), *The British Prime Minister*; R. H. S. Crossman, *Inside View*; H. Morrison, *Government and Parliament* (3rd edn.); H. Wilson, *The Governance of Britain*.

**Essential:** B. Castle, *The Castle Diaries 1965-70, 1974-76*; R. H. S. Crossman, *Diaries of a Cabinet Minister* (3 vols.); H. Hecló & A. Wildavsky, *The Private Government of Public Money* (2nd edn.); V. Herman & J. Alt, *Cabinet Studies*.

A comprehensive reading list will be issued at the start of the course, and further guidance as to the most useful reading on any topic can be obtained from your allotted class teacher. Students should not be worried at the length of the list since many of the books recommended are alternative titles given because of the great demand for particular works. Some of the titles most in demand have been placed in the Government Department Reading Room.

**Examination Arrangements:** A three-hour formal examination in the Summer Term. Students have to answer 4 questions out of a total of around 17.

**Methods of Work:** While the lectures will cover the more central aspects of the subject clearly they cannot cover all the ground nor will they necessarily offer adequate detail. They are intended to introduce, to stimulate and to guide. Similarly classes will be intended to provoke thought and debate. The outside speakers will on occasion deal with the themes already covered by the lectures, but they may also introduce new subjects, always from the standpoint of the practitioner rather than the academic. It is essential to realise that despite the fairly comprehensive coverage of the syllabus in lectures, seminars and classes, no student can be expected to do well simply by attending them. Knowledge of the Cabinet diaries listed above is quite essential, and the student must learn his way about them by use of the index. Time spent on reading will not be wasted, and the good student will benefit from consulting Memoirs, Biographies and certain historical monographs covering the period after 1918, and more particularly since 1945.

## Gv3029

**British Constitutional Ideas Since the 1880s**

**Teacher Responsible:** Mr. A. J. Beattie, Room L102 (Secretary, Mrs. P. da Gama Pinto, L103)

**Course Intended Primarily for** B.Sc. (Econ.) Part II; M.Sc. Politics 2.

**Scope:** The aim of the course is to examine British constitutional thought as a combination of the historical description of institutional practices and political theory.

**Syllabus:** A study of the ways in which constitutional debate has responded, since the 1880s, to the development of political democracy and government growth. The course will examine, through a study of a number of prescribed texts and commentaries, two main areas:

(i) The idea of Parliamentary government, and the challenge presented to it by interpretations emphasising the role of political parties, the electorate, organised interests and the bureaucracy.

(ii) Attempts to organise modern British constitutional experience in terms of a number of general themes: representation; responsibility; sovereignty; pluralism; the separation of powers; the rule of law; the mandate, state and society; central and local government.

**Pre-Requisites:** None.

**Teaching Arrangements:** 25 lectures (Gv175) and 25 classes (Gv175a). Classes will be taught by Mr. Beattie.

**Written Work:** Students will be expected to present 2 essays per term to their class teacher.

**Reading List:** A comprehensive bibliography of prescribed texts and commentaries will be issued at the beginning of the course.

Examples of *central texts* are: A. V. Dicey, *An Introduction to the Study of the Law of the Constitution*; R. Bassett, *The Essentials of Parliamentary Democracy*; V. Bogdanor, *The People and the Party System*; B. Crick, *The Reform of Parliament*.

*Basic commentaries* are: M. J. Vile, *Constitutionalism and the Separation of Power*; S. H. Beer, *Modern British Politics*; A. H. Birch, *Representative and Responsible Government*; G. Marshall, *Constitutional Theory*; J. Rees, *Interpreting the Constitutional*.

**Examination Arrangements:** A three-hour formal examination in the Summer Term. The paper will have approximately 15 questions; students must attempt 4.

## Gv3035

**Public Administration**

**Teacher Responsible:** Mr. P. F. Dawson, Room A207 (Secretary, Mrs. Ann Kennedy, L300)

**Course Intended Primarily for** B.Sc. (Econ.)

**Scope:** The coherence of the subject is derived from its central concern with the manner in which political objectives are translated into practicable policies and conversely the way in which administrative structures and behaviour may restrain and control political processes. While the primary emphasis is on British administrative practice, comparisons are also made with France and North America. One of the attractions of the subject is that it can provide a link between

several other components of the Government specialization notably **Comparative Political Institutions, Cabinet Government, The History of British Politics in the 20th Century, The Politics and Government of a Foreign Country and Public Policy: Political and Economic Aspects**, as well as with a number of subjects which might be chosen as outside options. It thus helps to establish coherence between certain "packages" of subjects.

**Syllabus:** Public Administration – This subject will explore the theories and practices underlying the functioning of the executive branch of government in modern states. It will relate public administration to the political process, and introduce students to the study of administrative reform. Attention will also be paid to the relation between administration and economics and to methods of budgeting and planning. Two main aspects will be covered; (a) Government Organisation – The scope and place of public administration within the political systems of modern states. The causes and consequences of different forms of government organisation. Formal and informal organisation in government. Concepts and methods of co-ordination, budgeting, planning, delegation and control. (b) The Public Service – Patterns of 'generalist' administration and specialisation as well as administrative conflict. Political and judicial roles of officials. Administrative behaviour, motivation and morale. Students will be expected to be well acquainted with the main features of British administration, particularly central government and to have some comparative knowledge (by way of illustration) of administration in France and North America.

**Pre-Requisites and Co-Requisites:** There are no pre-requisites. The course is one of the optional subjects available to students specializing in Government (IX) or Government & History (XVIII) but may also be taken, subject to timetabling constraints and tutorial approval by any second or third year student and by general course students.

**Teaching Arrangements:** There are four lecture courses directly related to this option.

Gv154 **Administrative Organization and Behaviour** 5 lectures – Lent Term.

Gv156 **British Government & Bureaucracy** 10 Lectures – Professor Jones Michaelmas Term.

Gv216 **Administrative Theories** 10 Lectures – Mr. O'Leary Lent Term.

Gv245 **Administrative Theory and Practice** 10 Lectures – Michaelmas Term.

In addition students may attend Gv244 – **The British Civil Service** a seminar held during the Lent Term in which senior officials and others discuss aspects of their work.

The different components are drawn together in a class (Gv155) which meet weekly through the Michaelmas and Lent Terms.

**Reading List:** J. Aberbach *et al*, *Bureaucrats and Politicians in Western Europe*; M. Albrow, *Bureaucracy*; R. J. S. Baker, *Administrative Theory and Public Administration*; J. Bourn, *Management in Central and Local Government*; K. Bradshaw & D. Pring, *Parliament and Congress*; R. G. S. Brown & D. R. Steel, *The Administrative Process in Britain*; G.

Burrell & G. Morgan, *Sociological Paradigms and Organisational Analysis*; B. Chapman, *The Profession of Government*; M. Crozier, *The Bureaucratic Phenomenon*; A. Dunsire, *Administration, the Word and the Science; The Executive Process, Vol. 2 Control in Bureaucracy*; J. Garrett, *Managing the Civil Service*; J. Greenwood & D. Wilson, *Public Administration in Britain*; B. Heady, *British Cabinet Ministers*; H. Hecló, *A Government of Strangers*; H. Hecló & A. Wildavsky, *The Private Government of Public Money*; C. Hood, *The Limits of Administration*; P. M. Jackson, *The Political Economy of Bureaucracy*; D. Keeling, *Management in Government*; R. K. Merton *et al*, *A Reader in Bureaucracy*; W. Niskanen, *Bureaucracy: Servant or Master*; H. Parris, *Constitutional Bureaucracy*; J. Pfeffer, *Organizations and Organization Theory*; F. F. Ridley (Ed.), *Government and Administration in Western Europe*; R. Rose & E. N. Suleiman, *Presidents and Prime Ministers*; H. Seidman, *Politics, Position and Power*; P. Self, *Administrative Theories and Politics; Econocrats and the Policy Process*; H. A. Simon, *Administrative Behaviour*.

**Examination Arrangements:** The examination in this subject, which may be taken after one year of study is by means of a single, three-hour unseen question paper of about 12 questions from which candidates are normally required to answer 4. Students are advised to look at earlier examination papers (available in the Library and from the Departmental Secretary in the Government Department) to familiarise themselves with style of the examination paper and the nature of the questions.

## Gv3036

**Public Policy: Political and Economic Aspects**

**Teacher Responsible:** Professor W. Letwin, Room L203 (Secretary, Mrs. A. Kennedy, L300)

**Course Intended Primarily for** second or third-year B.Sc. (Econ.) students, Diploma and M.Sc. candidates.

**Scope:** This course considers the modes of analysis devised by political scientists, economists, and others for evaluating public policies, as well as some principal varieties of public policies in the field of economics and the political procedures involved in formulating them. **Syllabus:** Theory of elections, game theory, cost-benefit analysis, systems analysis, general principles of policy-making. Policies for: full employment, price stability, economic growth, equalization of income and wealth, and economic regulation.

**Pre-Requisites:** An elementary familiarity with economic theory, such as would result from a year's course in principles.

**Teaching Arrangements:** (Gv171) 20 Lectures, Michaelmas and Lent Terms. (Weekly) (Gv171a) 20 classes, Michaelmas and Lent Terms (Weekly)

**Written Work:** Each student is required to submit four essays during the course, which are returned with written or oral comments, but which do not affect the student's final mark on the examination.

**Reading List:** J. E. Anderson, *Public Policy Making*; R. A. Dahl & C. E. Lindblom, *Politics, Economics and*



**Note:** Students are expected to follow developments in French Politics by regular reading of *The Economist*, *The International Herald Tribune*, or *Le Monde*, *Le Point* or *Le Nouvel Observateur*.

**Examination Arrangements:** B.Sc. (Econ.) & LL.B.: one three-hour written examination in the Summer Term, four questions must be answered.

Diploma, General and Beaver College Courses: special arrangements for assessment.

### Gv3051

#### The Politics and Government of Germany

**Teacher Responsible:** Dr. Gordon Smith, Room K102 (Secretary, K105)

**Course Intended Primarily for** B.Sc. (Econ.) 2nd or 3rd Year; Diploma in International and Comparative Politics.

**Scope:** The purpose of this one-year course is to introduce students to the study of contemporary German history and to the politics and government of the Federal Republic of Germany.

(**Note:** A detailed knowledge of the politics of the German Democratic Republic is not required).

**Syllabus:** Historical: The conditions of German unification in the nineteenth century. The consequences, social and political, of her belated nationhood. Continuities and discontinuities in the German political tradition and the influences of German political thought. Liberal democracy in the Weimar Republic; the factors leading to its breakdown. Specific and non-specific elements in the German form of totalitarianism. Post-war occupation and the period of 'democracy under licence'.

The Federal Republic: The Basic Law of 1949. Constitutional innovations and the role of the Constitutional Court. The 'administrative' nature of German federalism. Government and politics in the Länder. Assembly-Government relations. The specific functions of the Bundesrat. The legislative process. The theory and practice of 'chancellor-democracy'. The German civil service. Civil-military relations. The major political traditions: Christian Democracy and Social Democracy, Germany liberalism. The failure of political extremism and the evolution of the party system since 1949. Coalition politics of the Adenauer era and after. Social aspects of politics. The sources of political consensus and cleavage. The representation of interests. The religious balance. Extra-parliamentary opposition. The Peace Movement and the 'Greens'. The changing class structure. The division of Germany and its impact on the political scene. The internal developments of the German Democratic Republic, and the course of relations with the Federal Republic. The evolution and implications of the 'Ostpolitik'.

**Pre-Requisites:** There are no formal pre-requisites for this course. A familiarity with Twentieth Century German history is an advantage. A reading knowledge of German is not required, but it may prove helpful.

**Teaching Arrangements:**

(a) **Lectures** (Gv167): Twenty-five lectures are given weekly throughout the session. The first ten lectures given in the Michaelmas Term provide a review of

modern German history from 1918 until the foundation of the Federal Republic in 1949. Subsequent lectures in the Lent and Summer Terms are concerned with the political structure and contemporary politics of Western Germany. Notes and a detailed reading list will be distributed at the classes at the beginning of the session and attendance at classes is required of all students taking the course. The basis of the classes is the written paper/essay, presented by a student and then discussed by members of the group. Topics/questions are allocated at the beginning of the term, and each topic is accompanied by a short list of sources.

**Written Work:** Students should expect to submit two pieces of written work in each term and, after class discussion, they will be marked and assessed by the class teacher.

**Reading List:** As mentioned above, a detailed reading list will be made available at the commencement of the course, in addition to references supplied in connection with class papers. The following books cover most aspects of the course and should be regarded as basic reading:

G. Smith, *Democracy in Western Germany* (2nd edn., Heinemann, 1982); V. Berghahn, *Modern Germany* (Cambridge U.P., 1982); D. Conradt, *The German Polity* (2nd edn., Longman, 1982); M. Balfour, *West Germany: A Contemporary History* (Croom Helm, 1982); W. Paterson & G. Smith (Eds.), *The West German Model: Perspectives on a Stable State* (Frank Cass, 1981); N. Johnson, *State and Government in the Federal Republic of Germany* (Pergamon, 1983); A. J. Nicholls, *Weimar and the Rise of Hitler* (Macmillan, 1976 or subsequent editions); R. Dahrendorf, *Society and Democracy in Germany* (Anchor Books, 1969); M. Broszat, *The Hitler State* (Longman, 1981).

**Note:** All the above books, except Balfour, are available in paperback editions.

**Examination Arrangements:** There is a three-hour examination in the Summer Term. The examination paper will be based on the content of the lecture course as well as on the work completed in classes. Four questions are to be answered from the examination papers from a choice of ten to twelve questions. Copies of examination papers from previous years are made available. Final assessment for the course depends entirely on the examination.

### Gv3052

#### Politics and Government of Russia

**Teacher Responsible:** Mr. Peter Reddaway, Room K304 (Secretary, Mrs. Ann Kennedy, L300)

**Course Intended Primarily for** B.Sc. (Econ.) Part II students; Diploma students in International and Comparative Politics.

**Scope:** The course aims to give students a sense of the key principles underlying contemporary Soviet politics and government by looking at elements of continuity and change in Russian and Soviet politics over the last century and a quarter.

**Syllabus:** The main topics covered are:

(1) Geopolitical, institutional, ideological, political and socio-economic explanations for the strength of the authoritarian tradition in Russian politics. The

intellectual, social and cultural origins of Bolshevism. (2) The causes of Bolshevik success between 1917 and 1921; the nature of, and similarities and contrasts between, Leninism and Stalinism. Individual and collective leadership under Khrushchev and Brezhnev. (3) The nature and functions of the contemporary CPSU, of the party's General Secretary, of Marxism-Leninism, and of Soviet state institutions. (4) One-man rule. Authoritarian bureaucracies. The relationship between central and local government in Russia/USSR. The roles of Russian and non-Russian nationalism. The politics of economic development. Russian and Soviet political culture. Dissent and opposition.

**Pre-Requisites:** Some background in history or politics is useful but not essential.

**Teaching Arrangements:** 1 lecture course (Gv165) of 25 lectures covering 2 terms given jointly by Mr. Reddaway and Mr. White. 1 weekly class (Gv165a) divided into groups and taught by Mr. Reddaway and Mr. White. At least 4 essays are expected from each student by the class teachers (over the 7 months the classes run). These will be marked by the teachers and also discussed in class.

**Reading List:** (in rough chronological order)

\*Sir D. M. Wallace, *Russia on the Eve of War and Revolution*; \*R. Pipes, *Russia under the Old Regime*; G. Hosking, *The Russian Constitutional Experiment*; A. Walicki, *A History of Russian Political Thought*; \*L. Schapiro, *The Communist Party of the Soviet Union*; M. Fainsod, *How Russia is Ruled* or J. Hough and M. Fainsod, *How the Soviet Union is Governed*; Neil Harding, *Lenin's Political Thought* (2 Vols.); Robert Tucker (Ed.), *Stalinism*; \*John Armstrong, *Ideology, Politics and Government in the Soviet Union*; \*L. Schapiro, *The Government and Politics of the Soviet Union*; S. Bialer, *Stalin's Successors: Leadership Stability and Change*; \*A. H. Brown & M. Kaser (Eds.), *The Soviet Union since the fall of Khrushchev*; M. Voslensky, *Nomenklatura*.

\*denotes paper-backs which students may wish to buy.

**Examination Arrangements:** There is a three-hour written examination in the Summer Term based on the topics discussed in class. The paper will be divided into sections covering Russian history, Soviet history, Soviet political institutions, and themes covering the whole period (set out above in Syllabus section 4). Assessment is based on performance in this exam.

### Gv3053

#### Politics and Government of the U.S.A.

**Teacher Responsible:** Professor W. Letwin, Room L203 (Secretary, Mrs. A. Kennedy, L300)

**Course Intended for** students in their second or third year, or diploma students; B.Sc. (Econ.) Part II and Diploma in International and Comparative Politics.

**Scope:** To lay an academic foundation for the understanding of government and politics in the USA and, secondarily, to deepen the student's general understanding of government and politics by familiarising him with a system different from that of Britain and which has served as a model for many others.

**Syllabus:** In order to achieve the first of these objectives, it is necessary that the student understands the basic institutions of American government and how they evolved in the course of history, as well as the evolution of certain fundamental and durable problems of American politics. Among the institutions, some leading ones are: a written constitution, federalism, a central government with enumerated powers, separation of powers, judicial review, a bill of rights, a presidential executive, fixed terms of office, and a federalised party system. Among the durable problems of American politics are: the proper scope of government regulation, race relations, the role of ethnic groups, 'isolationism', 'the urban problem', mistrust of 'bigness', 'states' 'rights', and a desire for direct democracy.

The examination puts equal emphasis on (a) the student's understanding of how such main features of American political life developed since 1620, and (b) the student's ability to analyse current issues of American government and politics in the light of their particular histories and against the background of institutions, traditions and conventions.

Basic preparation consists, accordingly, of mastering the political history of the United States and the present organisation of government and politics, as these are treated by the general works listed below. Beyond this the student should investigate special topics in greater depth, according to his own interests and opportunities. Some important specialised works are listed below; others may be identified by referring to the bibliographies listed in the reading list below, as well as to bibliographies included in many of the books. (It should be added that the sort of familiarity with current American political events which can be achieved by reading newspapers and news-journals, though useful, is by no means a sufficient preparation for this examination.)

**Pre-Requisites:** None.

**Teaching Arrangements:**

Lectures: Gv164 20 Michaelmas and Lent Terms  
Classes: Gv164(a) 10 Michaelmas and Lent Terms.

**Reading List:**

**Bibliographies and Reference Works** Congressional Quarterly, *Guide to the Congress of the U.S.*; O. Handlin et al, *Harvard Guide to American History*; Thomas H. Johnson, *Oxford Companion to American History*; R. H. Pear & MacRae, *Books on America - American Government...*

**History**

D. J. Boorstin (Ed.), *An American Primer*; Henry S. Commager (Ed.), *Documents of American History*; F. O. Gatell, Goodman & Weinstein (Eds.), *The Growth of American Politics*; G. N. Grob & Billias (Eds.), *Interpretation of American History*; Wm. Miller, *A New History of the U.S.*; Samuel E. Morison, Commager & Leuchtenburg, *A Concise History of the American Republic*; *The Growth of the American Republic*; R. B. Nye & Morpurgo, *A History of the U.S.A.*; Wilham Simpson, *Vision and Reality: The Evolution of American Government*.

**Politics and Government (General Works)** R. V. Denenberg, *Understanding American Politics*; John H. Ferguson & McHenry, *The American System of*

*Government*; E. S. Griffiths, *The American System of Government*; M. Grodzins, *The American System*; J. D. Lees, *The Political System for the U.S.*; R. H. Pear, *American Government and Politics*; E. S. Redford et al., *Politics and Government in the U.S.*; M. J. C. Vile, *Politics in the U.S.A.*

**Politics and Government (Specialised Works)** Edward C. Banfield, *Big City Politics*; Marver H. Bernstein, *Regulating Business by Independent Commissions*; K. Bradshaw & D. Pring, *Parliament and Congress*; Edward S. Corwin, *The Constitution and What It Means Today*; Paul A. Freund, *The Supreme Court of the U.S.*; Robert A. Goldwin, *A Nation of States*; Alex. Hamilton, Madison & Jay, *Federalist Papers*; Louis Hartz, *The Liberal Tradition in America*; R. Hofstadter, *The American Political Tradition*; Judson L. James, *American Political Parties*; V. O. Key Jr., *Parties, Parties and Pressure Groups*; Robert G. McCloskey, *The American Supreme Court*; N. W. Polsby, *Congress and the Presidency*; David Potter, *People of Plenty*; Clinton Rossiter, *The American Presidency*; F. J. Sorauf, *Party Politics in America*.

**Examination Arrangements:** The examination, given in June, includes about fifteen questions divided into two parts, one historical and the other current. The student is required to answer two questions from each part.

**List of Lectures:**

1. Colonization of North America, to 1750
2. Independence and problems of unification, 1750-87
3. Constructing the Constitution, 1787-89
4. Slavery, Westward Expansion, 1789-1860
5. The Post-war settlement, 1865-1875
6. Economic policies of the federal government, 1865-1914
7. Reform movements, 1890-1932
8. The New Deal, 1933-39
9. Post-war domestic policy, 1945-60
10. Post-war foreign policy, 1945-60
11. Federal Government: (i) The Executive
12. Federal Government: (ii) The Congress
13. Federal Government: (iii) The Judiciary
14. Federal Government: (iv) Administrative agencies
15. State and Local Government
16. Political Parties
17. Current problems of policy: (i) Economic issues
18. Current problems of policy: (ii) Minorities
19. Current problems of policy: (iii) Foreign Policy
20. Current problems of policy: (iv) (to be announced)

Gv3055  
Gv4060

**Politics and Government of Eastern Europe**

**Teacher Responsible:** George Schöpflin, Room K107 (Secretary, Mrs. M. Osborne, K105)

**Course Intended Primarily for** B.Sc. (Econ.) Part II; B.A. Hist.; M.Sc.

**Scope:** The aim of this course is to provide a thorough analysis of post-1944 Eastern Europe and to study the political problems of post-revolutionary societies.

**Syllabus:** This course is designed to explore the nature of communist revolutions in developing societies and the problems of continuity and change in the post-revolutionary order. The legacy of the pre-communist period, the salient factors in the communist seizure of power, the Stalinist model of development and the varieties of post-Stalinist experience are fully dealt with. The crises of the system (Poland and Hungary 1956, Czechoslovakia 1968, Poland 1980-81) are likewise explored, as are the variants developed in Yugoslavia and Albania. The decay of Marxism as a living ideology, the emergence of competing ideologies, with particular emphasis on the uses of nationalism, are considered in some detail and that is followed by an analysis of the nature of leadership, bureaucracy and political communication.

**Pre-Requisites:** None. The course is taught entirely through the use of English-language materials, although a reading knowledge of French and/or German may be helpful. Some background in politics or history or international relations or sociology is useful but not essential.

**Teaching Arrangements:** There are 23 lectures (Gv169) and 10 classes (Gv169a) held over three terms. Class work follows the lectures closely and is devoted to in-depth analysis of 10 broad topics. A considerable quantity of teaching aids is distributed. M.Sc. students also attend the seminar Gv227.

**Written Work:** Students are expected to complete 5 essays over the session.

**Essential Reading:** Students are urged to use not only the LSE library, but also to familiarise themselves with the relevant holdings of the School of Slavonic and East European Studies.

François Fejto, *A History of the People's Democracies Since Stalin*; Joseph Rothschild, *A History of East-Central Europe between the Wars*; Martin McCauley (Ed.), *Communist Power in Europe 1944-1949*; Robert C. Tucker, *Stalinism: Essays in Historical Interpretation*; H. Gordon Skilling, *Czechoslovakia's Interrupted Revolution*; Dennison Rusinow, *The Yugoslav Experiment 1948-1974*; Rudolf Tokes (Ed.), *Opposition in Eastern Europe*; Peter Sugar (Ed.), *Ethnic Diversity and Conflict in Eastern Europe*; Maria Hirszowicz, *The Bureaucratic Leviathan*; Stephen White, John Gardner & George Schöpflin, *An Introduction to Communist Politics*.

Further Reading will be distributed at the beginning of the course.

**Methods of Work:** The lectures are intended to provide interpretation guidelines to further reading.

**Examination Arrangements:** One 3-hour paper in the Summer Term; 4 questions out of 12 to be answered in essay form.

Gv3056  
Gv4110

**The Politics and Government of Scandinavia**

**Teacher Responsible:** John Madeley, Room K307 (Secretary, Marion Osborne, K105)

**Course Intended Primarily for** B.Sc. (Econ.) Part II and M.Sc. students.

**Scope:** The course does not aim to cover all aspects of the politics and government of Scandinavian countries. Instead it focuses attention on the major themes in comparative political analysis in terms of which the experience of the Scandinavian countries is held to be of particular interest.

**Syllabus:** The course begins with a review of the historical background of the Scandinavian countries, paying particular attention to the processes of state-formation and nation-building. Next the development of modern patterns of social cleavage and their translation into patterns of political conflict over the last century is examined. The rise and development of Scandinavian Social Democracy receives particular attention. The nature of alternative political traditions, is also covered and placed in the context of the changing party systems. Particular episodes ranging from the Norwegian Labour Party's extreme radicalisation around the time of the first world war to the emergence of Glistrup's anti-tax protest party at the Danish election of 1973 are studied. Modern patterns of policy-making and administration are reviewed in terms of the arguments about neo-corporatism and political culture. Particular cases, such as the debate on nuclear power in Sweden, are focused on in order to provide some basis for the assessment of these arguments. Foreign policy issues - such as the different countries' stances with respect to NATO and the EEC - are covered principally in terms of their impact on the countries' domestic politics. While the main emphasis is on the politics and government of the three Scandinavian countries, Sweden, Denmark and Norway, reference is also made at appropriate points in the course to the other Nordic countries - Finland and Iceland. Because a group of countries sharing many features in common but exhibiting interesting contrasts form the centre of attention it is intended that the course will develop student's skills in the general field of comparative political analysis.

**Pre-Requisites:** None. The course assumes no prior knowledge of the subject or an acquaintance with the Scandinavian languages. There is a copious literature in English.

**Teaching Arrangements:**

(a) **Lectures:** Gv168, twenty-two, Sessional (each week)

Occasional handouts will be distributed particularly in connection with the topics where similarities and contrasts between the Scandinavian countries can be readily shown in tabular form.

(b) **Classes:** Gv168a, twenty-two, Sessional (each week)

Students choose topics at the start of each of the two first terms and present papers on these to the class for discussion. Reading appropriate to the particular questions chosen is indicated in advance. Papers marked and graded by the course teacher.

**Written Work:** In addition to class essays students may also be required to write one longer essay on a topic central to the course. These papers will also be marked and graded.

**Methods of Work:** In order to make such a course manageable to students who are assumed at the start to know nothing of the subject, the course has been

given a definite shape, which might be described as approximately ten related "patches" of material. This enables students to specialise on particular aspects in connection with the writing of essays and through use of the different libraries' extensive holdings (see section on Reading below). Students will be informed of individual public lectures or seminars on related subjects of interest. Attendance at these will of course be optional.

**Reading List:** Students will receive copies of the full list at the beginning of the lecture course. It includes a large number of individual journal articles as well as books enabling students with particular interests to pursue them further than is necessary for the course itself. Copies of important articles are deposited in the short-loan photocopy collection in the School library. Access to the Scandinavian Studies library at University College, London, will be arranged for students taking the course at the start of the session. Use of this second library will not be essential but has invariably in the past been found useful. The following is the minimal reading list (a copy of the full reading list can be consulted in the library):

N. Andren, *Government and Politics of the Nordic Countries*; J. B. Board, *The Government and Politics of Sweden*; D. A. Rustow, *The Politics of Compromise*; M. D. Hancock, *Sweden: Politics of Post-Industrial Change*; N. Elder, *Government in Sweden*; R. Huntford, *The New Totalitarians*; H. Valen & E. Katz, *Political Parties in Norway*; J. A. Storing, *Norwegian Democracy*; K. E. Miller, *Government and Politics in Denmark*; S. Rokkan, *Citizens, Elections, Parties*; H. Tingsten, *The Swedish Social Democrats*; K. Cerny, *Scandinavia at the Polls*; S. Berglund & U. Lindstoem, *The Scandinavian Party Systems*; E. Allardt et al, *Nordic Democracy*; N. Elder et al, *The Consensual Democracies*; F. Castles, *The Social Democratic Image of Society*.

**Examination Arrangements:** The course is examined in the Summer Term by means of a three-hour unseen written examination. Papers consist of approximately twelve questions (which tend to be closely related to the similar number of major themes in the course) of which any four may be chosen. Students are advised to consult previous examination papers in the library in order to familiarise themselves with the style of paper and the nature of the questions. (The course has been examined at undergraduate level since summer 1981).

Gv3057

**Politics and Government of Latin America**

**Teacher Responsible:** Dr. G. D. E. Philip, Room K106 (Secretary, Mrs. E. Gregory, L208)

**Course Intended Primarily for** B.Sc. (Econ.) Part II

**Scope:** The objective of this course is to introduce students to Latin American politics. The course will cover both the politics of the larger Latin American countries (Brazil, Mexico, Argentina, Cuba, Peru and Chile) and the political sociology of some key social forces within the area.

**Syllabus:** The subject offers what is basically an introduction both to the politics of the larger countries



Thinkers" series); J. Annas, *An Introduction to Plato's Republic*; R. W. Nettlehip, *Lectures on Plato's Republic*; A. Sesonske, *Plato's Republic* (an anthology of selections from modern scholarly interpretations). \*indicates books which should be bought by the student.

**Examination Arrangements:** The examination takes place in the Summer Term and consists of one paper of three hours. Students will be asked to attempt four questions from a choice of about ten. All the questions will deal with topics discussed in the *Politics*. An acquaintance with Aristotle's *Ethics* would be helpful for purposes of comparison. Students are advised to consult examination papers for previous years (available in the Library) to familiarise themselves with the style of the paper and the type of questions asked. **Other Relevant Lectures:** Dr. Morrall's lectures in the course, **An Introduction to Political Philosophy: the Greeks**, may be of interest to students who have not already attended them.

Gv3131

### Political Thought (A Selected Text): Aristotle

**Teacher Responsible:** Dr. J. B. Morrall, Room K205 (Secretary, K105)

**Course Intended Primarily for** B.Sc. (Econ.) Part II, Part II Government; Government and History, both 3rd year.

**Scope:** The objective of the course is to study in depth the text of Aristotle's *Politics* with special reference to the light it sheds on the problems of the Greek political community as Aristotle saw them.

**Syllabus:** This will concentrate mainly on an understanding of Aristotle's objectives and methods in dealing with political themes and problems.

**Pre-Requisites:** A general acquaintance with the outline of Greek political philosophy and a close acquaintance with the text. No knowledge of Classical Greek is required.

**Teaching Arrangements:** Dr. Morrall will conduct an informal lecture-class (Gv105) once a week in Michaelmas and Lent Terms. Attendance at this is compulsory and will be checked by the calling of a class register at each meeting.

**Written Work:** Usually each student is required to produce one fairly long essay each term. It is marked and graded by Dr. Morrall.

**Methods of Work:** A considerable amount of private reading will be necessary. A reading list will be issued. **Reading List:** \*T. M. Sinclair, *The Politics of Aristotle*, (Penguin Classics), (revised by T. Saunders). It is essential to get this revised edition and not the earlier version by Sinclair; D. Ross, *The Nicomachean Ethics of Aristotle*, (World's Classics series, now available in Oxford University Press paperback); E. Barker, *The Politics of Aristotle*, (for the detailed "Introduction"); \*J. B. Morrall, *Aristotle*, (Allen & Unwin "Political Thinkers" series); \*R. G. Mulgan, *Aristotle's Political Theory* (Oxford University Press paperback).

\*indicates books which should be bought by the student.

**Examination Arrangements:** The examination takes place in the Summer Term and consists of one paper of three hours. Students will be asked to attempt four questions from a choice of about ten. All the questions will deal with topics discussed in the *Politics*. An acquaintance with Aristotle's *Ethics* would be helpful for purposes of comparison. Students are advised to consult examination papers for previous years (available in the Library) to familiarise themselves with the style of the paper and the type of questions asked. **Other Relevant Lectures:** Dr. Morrall's lectures in the course, **An Introduction to Political Philosophy: the Greeks**, may be of interest to students who have not already attended them.

Gv3133

Gv4013

### Political Thought (A Selected Text): Machiavelli

**Teacher Responsible:** Professor K. R. Minogue, Room A387 (Secretary, Mrs. A. Kennedy, L300)

**Course Intended Primarily for** B.Sc. (Econ.) Part II Government; Government and History, 3rd year.

**Scope:** Machiavelli's political writings to be studied in depth in relation to their Renaissance context and the development of the modern state.

**Syllabus:** The central requirement of the course is a thorough familiarity with Machiavelli's *Prince* and *Discourses on the First Ten Books of Livy*. The student should be aware that these texts are translated, with consequent problems of meaning. Some familiarity with other political works of Machiavelli – such as *The Art of War*, and *The History of Florence*, would be deeply beneficial.

**Pre-Requisites:** Some acquaintance with the development of political thought.

**Teaching Arrangements:** Twenty one-hour seminars (Gv105) weekly in the Michaelmas and Lent Terms, attendance at the seminars is compulsory.

**Written Work:** Each student should expect to do about four essays for the course.

**Reading List:** The texts are: *The Prince* and *Discourses on the First Ten Books of Titus Livius*. The Modern Library Edition includes both, is conveniently available, and is sometimes the edition referred to in scholarly articles. Robert Ridolfi, *The Life of Niccolò Machiavelli*; J. R. Hale, *Machiavelli and Renaissance Italy*; Jacob Burckhardt, *The Civilization of the Renaissance in Italy*; F. E. Jacob (Ed.), *Italian Renaissance Studies*; Federico Chabod, *Machiavelli and the Renaissance*; Sydney Anglo, *Machiavelli: A Dissection*; Herbert Butterfield, *The Statecraft of Machiavelli*; Leo Strauss, *Thoughts on Machiavelli*; Giuseppe Prezzolini, *Machiavelli*; De Lamar Jensen (Ed.), *Machiavelli: Cynic, Patriot, or Political Scientist*; Quentin Skinner, *Machiavelli*; K. R. Minogue, 'Theatricality and Politics: Machiavelli's Concept of Fantasia' in Bhikku Parekh & R. N. Berki (Eds.), *The Morality of Politics*; Robert J. McShea, 'Leo Strauss on Machiavelli' (*The Western Political Quarterly*, Vol. XVI, 1963); Dante Germino, 'Second Thoughts on Leo Strauss' Machiavelli' (*The Journal of Politics*, Vol. 29, November 1966).

**Examination Arrangements:** The examination in the Summer Term consists of one three-hour paper. Four questions must be attempted from a choice of about ten.

Gv3134

Gv4014

### Political Thought (A Selected Text): Hobbes

**Teacher Responsible:** Dr. R. Orr, Room L100 (Secretary, Mrs. P. da Gama Pinto, L103)

**Course Intended Primarily for** B.Sc. (Econ.) Part II, 3rd year;

M.Sc. (The History of Political Thought);

M.Sc. (Political Philosophy)

**Scope:** Close reading and exegesis of key passages plus sustained interpretation of chief arguments in Thomas Hobbes's *Leviathan*, together with a contextual understanding and critical analysis (as well as a present-day assessment) of the main concepts employed. Knowledge of the texts of Parts I and II of *Leviathan* plus the Review and Conclusion, is essential. Though all the emphasis will be on Hobbes's political doctrines, the theological framework of his philosophical system has to be taken into account throughout.

**Syllabus:** Natural right and endeavour. Power and Liberty. The justness of natural right and the maximum and minimum of natural liberty. Right and good. Mechanism and the search for causes. The passions and reason. The state of nature. Men's equality. The condition of war.

Hobbes's views on Liberty. Necessity, impediment, compulsion, and obligation. Deliberation and Freedom. Voluntary action and freedom. The question of the consistency of Hobbes's doctrine of freedom. Freedom and determinism.

Will and consent. Covenanting. The voluntary renunciation of right. Obligation dependent on such a voluntary renunciation of right. Morality and logic. Hobbes's theism and the observance of natural law. Divine commands. Endeavouring to be obliged and being obliged to endeavour. The basis of Hobbes's concept of obligation. Authorisation. The mechanics of the political contract. The rights of sovereignty. Commonwealth by institution and acquisition. Absolute and arbitrary legislative power. Liberty of subjects. Injury and injustice. Punishment. Law. The dissolution of the commonwealth.

**Pre-Requisites:** None.

**Teaching Arrangements:** One class per week, each 1 hour (course Gv105) Michaelmas and Lent Terms. Attendance compulsory.

**Written Work:** One essay to be read and marked by class teacher, plus one essay per student per term presented to and discussed by the class. Essay length: 1,800–2,000 words.

**Reading List:** Hobbes, *Leviathan*. Parts I and II, plus the Review and Conclusion. Any (cheap or paperback) edition will do. A copy of the book to be brought to each class meeting; R. S. Peters, *Hobbes* (Penguin edn.), (good on life and times and general philosophical background); J. W. N. Watkins, *Hobbes's System of*

*Ideas* (solid account of Hobbes's general philosophical doctrine); W. von Leyden, *Hobbes and Locke: The Politics of Freedom and Obligation*, chs. 1–3; Brian Barry, 'Warrender and his Critics', *Philosophy*, Vol. 42, April 1868. Repr. in *Hobbes and Rousseau*, Ed. M. Cranston and R. S. Peters, (Anchor paperback). This article is indispensable. There are other interesting papers on Hobbes in the Cranston-and-Peters vol.; D. D. Raphael, *Hobbes, Morals and Politics*, (contains good accounts of the Hobbes literature of the last 50 years); J. Plamenatz, *Man and Society*, Vol. I, chapter on Hobbes (sound); H. Warrender, *The Political Philosophy of Hobbes: His Theory of Obligation*. To be used only with reference to particular topics mentioned in the index. Valuable but not generally accepted interpretation; F. C. Hood, *The Divine Politics of Thomas Hobbes*. Too much emphasis on Hobbes's theology in relation to his political theory; C. B. Macpherson, *The Political Theory of Possessive Individualism: Hobbes to Locke*, (controversial); L. Strauss, *Natural Rights and History*, (controversial on Hobbes); M. Oakshott, *Hobbes on Civil Association*. **Supplementary Reading List:** M. M. Goldsmith, *Hobbes's Science of Politics*; F. S. McNeilly, *The Anatomy of Leviathan*; D. P. Gauthier, *The Logic of Leviathan*; K. C. Brown (Ed.), *Hobbes Studies*; M. Oakshott, Introduction to his edition of *Leviathan*, (Blackwells).

Books mentioned under this heading only to be used for the preparation of essays.

**Examination Arrangements:** For B.Sc. (Econ.) Part II, final year students, written exam paper in June, three hours, four questions out of ten to be answered. For M.Sc. candidates in the History of Political Thought and in Political Philosophy, written exam paper in September, three hours, three questions out of nine to be answered.

Gv3135

Gv4015

### Political Thought (A Selected Text): Rousseau

**Teacher Responsible:** Mr. J. Charvet, Room K207 (Secretary, Mrs. P. da Gama Pinto, L307)

**Course Intended Primarily for** B.Sc. (Econ.) Part II, Special Subject IX Government, 3rd year.

**Scope:** The course is a detailed study of three works by Rousseau in the field of Political Thought: *Discourse of the Arts and Sciences*, *Discourse on the Origins of Inequality* and *The Social Contract*.

**Syllabus:**

(1) **Discourse on Arts and Science:** The connection between the flourishing of the arts and sciences and the corruption of society; the cause of this corruption; the role of inequality and dependence between men.

(2) **Discourse on the Origins of Inequality:** The original state of nature as one of independence, natural goodness and equality; the emergence of social relations and first beginnings of corruption; the development of private property and inequality; the creation of political society and oppression.

(3) **The Social Contract:** The basis of a just political society in a contract between free and equal men; the



















Monetary Policy, Transport, Defence, Energy, Research and Technology. Legal and financial controls on policy. Technocratic and bureaucratic power, clientelism and corporatism.

**Pre-Requisites:** None.

**Teaching Arrangements:** Seminars: Gv242, 23 weekly Michaelmas, Lent and Summer Terms. Optional lectures for students with little knowledge of French or Italian Politics: Gv241 (Italy), 4 weekly, Michaelmas Term. Gv163 (France), 23 weekly, Michaelmas, Lent and Summer Terms. Optional seminars also recommended: Gv226, optional lectures; Gv211, Gv212.

**Reading List:** P. A. Allum, *Italy: Republic without Government?* (1973); W. G. Andrews & S. Hoffman, (Eds.), *The Fifth Republic at Twenty* (1981); S. Berger & M. Piore, *Dualism and Discontinuity in Industrial Societies* (1980); S. Berger (Ed.), *Organising Interests in Western Europe* (1981); S. Cassese, *Il sistema*

*administrativo italiano* (1983); P. G. Cerny & M. Schain, *Socialism, the State and Public Policy in France* (1985); M. Dogan (Ed.), *The Mandarins of Western Europe* (1975); K. Dyson, *The State Tradition in Western Europe* (1980); J. Hayward, *Governing France: the One and Indivisible Republic* (1983); P. Lange & S. Tarrow (Eds.), *Italy, in Transition: Conflict and Consensus* (1979); H. Machin & V. Wright (Eds.), *Economic Policy and Policy-Making under the Mitterrand Presidency 1981-1984* (1985); F. F. Ridley (Ed.), *Government and Administration in Western Europe* (1979); R. Scase (Ed.), *The State in Western Europe* (1981); E. N. Suleiman & R. Rose (Eds.), *Presidents and Prime Ministers* (1981); V. Wright, *The Government and Politics of France* (1983); V. Wright (Ed.), *Continuity and Change in France* (1984).

**Examination Arrangements:** One 3-hour written paper in June: 3 questions.

## INDUSTRIAL RELATIONS

This section is in two parts. The first part lists the lectures and seminars given by the department. The list provides a cross reference to the Study Guide(s) in which the syllabus and the reading list associated with the lecture or seminar can be found. The second part contains the Study Guides, presented in Study Guide number sequence.

### Lectures and Seminars

Lecture/ Seminar Number			Study Guide Number
Id100	<b>Industrial Relations: Theory and Comparative Systems</b> Mr. D. W. Marsden, Professor K. E. Thurley and Dr. S. J. Wood	25/MLS	Id4201
Id101	<b>Industrial Relations Theory</b> Dr. J. Kelly, Mr. D. W. Marsden, Dr. S. J. Wood and Dr. K. N. G. Bradley	10/L	Id4201
Id102	<b>Industrial Relations and Personnel Management: Institutions and Processes</b> Professor K. E. Thurley, Dr. J. Kelly, Dr. K. N. G. Bradley, Dr. D. E. Guest, Professor D. Metcalf and Dr. S. J. Wood	10/M	Id4200
Id103	<b>Current Labour and Management Problems — Seminar</b> Mr. D. W. Marsden and Professor D. Metcalf	25/MLS	Id103
Id104	<b>Industrial Relations</b> Dr. R. Richardson	25/MLS	Id3220; Id4203
Id105	<b>Selected Topics in Industrial Relations Class</b> Dr. K. N. G. Bradley and Mr. S. Dunn	12/MLS	Id3320
Id106	<b>Industrial Sociology</b> Dr. K. N. G. Bradley and Dr. S. R. Hill	23/MLS	Id4202; Id4221
Id107	<b>Industrial Organisation: Theory and Behaviour I</b> Dr. J. Kelly	25/MLS	Id3221; Id4203
Id108	<b>Industrial Organisation: Theory and Behaviour II</b> Dr. D. E. Guest and Professor K. E. Thurley	50/MLS	Id4202
Id109	<b>Macro-Economic Policy Making in the UK</b> Dr. R. Richardson	10/M	Id109
Id110	<b>Sociology of Industrial Relations — Seminar</b> Dr. K. N. G. Bradley	25/MLS	Id110
Id111	<b>Labour Market Analysis</b> Professor D. Metcalf	30/ML	Id3222; Id4224
Id112	<b>Manpower Policy</b> Dr. D. E. Guest, Mr. D. W. Marsden and Dr. R. Richardson	25/MLS	Id3222; Id4223; Id4224



Lecture/ Seminar Number			Study Guide Number
Id113	<b>Introductory Practical Statistics</b> Mr. D. W. Marsden	20/ML	Id113
Id114	<b>Industrial Psychology</b> Dr. D. E. Guest and Dr. J. Kelly	24/MLS	Id4202; Id4203; Id4220
Id115	<b>Labour Law — Seminar</b> Mr. R. C. Simpson	45/MLS	Id115
Id117	<b>Trade Union Problems — Seminar</b> Dr. J. Kelly	25/MLS	Id117
Id118	<b>Labour History — Seminar</b> Dr. E. H. Hunt	10/L	Id4222
Id119	<b>Industrial Relations Research Problems — Seminar</b> Dr. R. Richardson and Dr. S. J. Wood	25/MLS	Id119
Id120	<b>Research Methods in Industrial Relations — Seminar</b> Dr. J. Kelly	5/L	Id120
Id150	<b>Industrial Relations — Class for Trade Union Studies course</b> Dr. J. Kelly	20/ML	Id150
Id151	<b>Macro-Economic Policy Making in the U.K. — Class</b>	25/MLS	Id151
Id152	<b>British Labour History — Class for Trade Union Studies Course</b> Mr. W. M. Stern	20/ML	Id152

## Study Guides

### Id103

#### Current Labour and Management Problems (Seminar)

Teacher Responsible: Mr. D. Marsden, Room H801 and members of the department.

Course Intended Primarily for graduate students taking labour economics, labour law, industrial sociology, industrial relations and related subjects.

Scope: An interdisciplinary seminar with visiting speakers on the problems of industrial relations.

Teaching Arrangements: Seminars (Id103), Sessional.

Examination Arrangements: None.

### Id109

#### Macro-Economic Policy Making in the U.K.

Teacher Responsible: Dr. R. Richardson, Room H711

Course Intended Primarily for M.Sc. in Industrial Relations and the Trade Union Studies course.

Syllabus: An introduction to macro economic theory and policy, with particular reference to recent UK experience; there will be a special emphasis in the labour market aspect of macro economic behaviour.

Teaching Arrangements: Lectures (Id109), Michaelmas Term.

Reading List: W. Keegan & R. Pennant Rea, *Who Runs the Economy?*; M. Stewart, *Politics and Economic Policy in the UK Since 1964*.

Examination Arrangements: None.

### Id113

#### Introductory Practical Statistics

Teacher Responsible: Mr. D. Marsden, Room H801

Course Intended Primarily for the Trade Union Studies course and M.Sc. Industrial Relations and Personnel Management.

Teaching Arrangements: 20 Lectures (Id113), Michaelmas and Lent Terms.

Reading List: H. Blalock, *Social Statistics*; T.U.C., *Working with Figures*.

Examination Arrangements: None.

### Id119

#### Industrial Relations Research Problems (Seminar)

Teacher Responsible: Dr. R. Richardson, Room H711

Course Intended Primarily for research students in Industrial Relations.

Teaching Arrangements: Seminars (Id119), Sessional.

Examination Arrangements: None.

### Id3220

#### Industrial Relations

Teacher Responsible: Dr. R. Richardson, Room H711

Course Intended Primarily for B.Sc. (Econ.) Part II; B.Sc. e.u.; Diploma students.

Scope: The course aims to help students analyse the complex relationships between workers, trade unions, management and the State in advanced industrial societies. Although the course will focus on the British

situation, reference may also be made to experience in other countries.

**Syllabus:** The reasons for, and the forms of, workers' collective response to managerial decisions. The goals and methods of unions; patterns of industrial conflict and their explanation; the impact of unions on pay, productivity and the means of control. State activity and the reform of industrial relations machinery.

**Pre-Requisites:** A self-contained introductory course requiring no previous knowledge or experience; social, economic and political analysis on complementary courses will prove useful. Some B.Sc. (Econ.) students will go on to specialise in Industrial Relations; Diploma and General Course students will take the course as a single option.

**Teaching Arrangements:** The course comprises 25 weekly lectures (Id104) given by Dr. R. Richardson, Sessional. Associated weekly classes will be timetabled for different groups of students (e.g. undergraduates; General Course; Diploma students) commencing in the second week of the first term. All students are expected to join in open class discussion and to submit two pieces of written work per term for their class teachers.

**Reading List:** The lecture course does not follow a single prescribed text. Class teachers will suggest appropriate readings but the following books should be read during the course:

H. A. Clegg, *The Changing System of Industrial Relations in GB*; The Donovan Report on Trade Unions & Employers' Associations (1968); Allan Flanders, *Management and Unions*.

**Examination Arrangements:** Assessment is based on student performance in a three hour unseen examination in the Summer Term. Students will be required to answer four out of twelve questions which will be related to material covered in lectures and classes.

### Id3221

### Id4203

#### Organisation Theory and Practice

Teacher Responsible: Dr. J. Kelly, Room H712

Scope:

- To introduce all students to social science theory and research into organisational problems.
- To discuss alternative approaches and proposed solutions to such problems.
- To facilitate critical evaluation of organisational policies and prescriptions through the examination of cases of attempted changes of organisation structure and behaviour.

**Pre-Requisites:** No prior knowledge of organisation theory or practical experience is necessary.

**Course Intended Primarily for** students of B.Sc. Management Sciences, Diploma in Management Sciences, Diploma in Business Studies, B.Sc. Econ. in Industrial Relations, M.Sc. Accounting and Finance, M.Sc. Analysis, Design and Management of Information Systems.

**Syllabus:** Organisation problems: work motivation; individual job competence and group performance; organisational effectiveness and decision-making; management authority; management control systems;





organisations adopt in order to deal with a range of manpower problems.

**Syllabus:** The policies and institutional arrangements that are a reaction to the problems posed by such factors as labour turnover, absenteeism, lack of information, an uncertain future and employee heterogeneity. Internal labour markets and labour market segmentation: The reasons for and consequences of labour market structures internal to organisations, and the analysis of labour markets divided into non-competing groups.

**Teaching Arrangements:** There are 25 lectures (Id112) given by **Dr. David Guest, Mr. David Marsden and Dr. Ray Richardson.**

**Reading List:** There is no text book covering the range of material presented. However students might like to read P. Doeringer and M. Piore, *Internal Labour Markets and Manpower Analysis.*

**Examination Arrangements:** Assessment in the paper is determined by performance in a three hour exam in which the candidate is expected to answer three from approximately nine questions.

Id4224

### Labour Market Analysis

**Teacher Responsible:** Mr. D. Marsden, Room H801  
**Course Intended Primarily for** M.Sc. Industrial Relations and Personnel Management.

**Scope:** The course explores those aspects of labour economics that are most relevant for industrial relations.

**Syllabus:** The economic analysis of trade unions; including models of trade union growth and structure, the analysis of trade union behaviour and the consequences of trade unions on resource allocation and distribution.

The structure of pay.

The analysis of unemployment: including a discussion of the possible causes of unemployment, its structural characteristics and policies designed to reduce its extent and impact.

Wage inflation and incomes policies.

**Pre-Requisites:** The course assumes some undergraduate training in economics but this is not essential; some prior exposure to labour economics is useful, as is some familiarity with statistical methods. Students with no such background might find it useful selectively to attend the undergraduate lectures in these areas.

**Teaching Arrangements:** The teaching is given by **Professor David Metcalf**, and will consist of a series of lectures and classes. Timetable details of which will be provided in the first 2 weeks of the year. Students are expected to make at least one class presentation and to hand in a piece of written work in connection with that presentation.

Students are also advised to attend the lectures on **Macro Economic Policy-Making in the U.K.**

**Reading List:** There is no single textbook in the areas covered. Other books that should be consulted include: M. Olson, *The Logic of Collective Action*; C. Mulvey, *The Economic Analysis of Trade Unions*; E. H. Phelps Brown, *The Inequality of Pay*; F. Blackaby (Ed.), *The Future of Pay Bargaining*; D. B. Mitchell, *Unions, Wages and Inflation.*

**Examination Arrangements:** Assessment in the paper is determined by performance in a three-hour exam in which the candidate is expected to answer three from approximately nine questions.

Id4399

### M.Sc. Project Report

**Teacher Responsible:** Dr. David Guest, Room H710  
**Course Intended Primarily for** M.Sc. in Industrial Relations and Personnel Management

**Scope:** The general aims of the project are to:

(i) examine a problem or topic through the literature and provide a rigorous analysis of that problem or topic;

and/or

(ii) examine a problem or topic through some small scale empirical research or by using information derived from secondary sources;

and

(iii) show ability to relate the specific to the general and the capacity to sustain a reasoned argument and draw conclusions.

**Selection of Topic:** Students are encouraged to identify a topic from within the broad field of industrial relations and personnel management and to discuss it in the first instance with their personal tutor. When a potentially feasible topic area has been identified, it should be registered with the course secretary. Students taking the 'professional' stream will be expected to undertake projects involving empirical work in organizations. Teams of students may work on a particular project, but each student must identify a section of the work and present it as their individual dissertation.

**Arrangements for Supervision:** Students will be allocated to the specialist teacher whose interest are most relevant to the topic. However account will also be taken of the need to equalise supervisory loads. Students will be allocated to supervisors in March. The role of the supervisor is to provide guidance in refining, focusing and ensuring the feasibility of the dissertation. Students are entitled to a minimum of two sessions with their supervisor during the key period in the first two weeks of July. The supervisor may comment on a detailed outline of the report, but will not normally be expected to read a full draft.

**Examination Arrangements:** Two typewritten copies of the dissertation should be handed in to the course secretary, and recorded as received, by the end of August. The report should not exceed 10,000 words in length. The report is considered for examination purposes to be the equivalent of one examination paper.

## INTERNATIONAL HISTORY

This section is in two parts. The first part lists the lectures and seminars given by the department. The list provides a cross reference to the Study Guide(s) in which the syllabus and the reading list associated with the lecture or seminar can be found. The second part contains the Study Guides, presented in Study Guide number sequence.

### Lectures and Seminars

Lecture/ Seminar Number			Study Guide Number
Hy100	<b>The History of European Ideas since 1700</b> Dr. R. W. D. Boyce and Dr. D. Starkey	25/MLS	Hy3406
Hy101	<b>Political History, 1789-1941</b> Dr. A. Sked and Mr. E. M. Robertson	25/MLS	Hy3400; Hy3462; Hy3465
Hy102	<b>World History since 1890</b> Mr. G. Grün and Dr. A. B. Polonsky	25/MLS	Hy3403
Hy110	<b>Introduction to British History</b>	2/M	Hy110
Hy111	<b>British History to the End of the 14th Century</b>	28/MLS	Hy3420
Hy112	<b>British History from the Beginning of the 15th to the Middle of the 18th Century</b> Dr. D. Starkey	30/MLS	Hy3426; Hy3423; Hy3429
Hy113	<b>British History from the Middle of the 18th Century</b> Dr. A. C. Howe and Dr. D. Stevenson	25/MLS	Hy3435; Hy3432
Hy115	<b>European History 400-1200</b> (Not available 1985-86)	28/MLS	Hy3450
Hy116	<b>European History 1200-1500</b>	28/MLS	Hy3453
Hy119	<b>European History since 1800</b> Dr. R. J. Bullen	25/MLS	Hy3465
Hy121	<b>World History from the end of the Nineteenth Century</b>	30/MLS	Hy3511
Hy125	<b>International History, 1494-1815</b> Dr. D. McKay	25/MLS	Hy3500; Hy3459; Hy3456
Hy126	<b>International History, 1815-1914</b> Professor K. Bourne, Dr. A. Sked, Dr. R. J. Bullen and Professor I. H. Nish	25/MLS	Hy3503
Hy128	<b>International History since 1914: (i) to 1945</b> Mr. G. Grün and Professor D. C. Watt	25/MLS	Hy3506

<i>Lecture/ Seminar Number</i>			<i>Study Guide Number</i>
Hy129	<b>International History since 1914: (ii) since 1945</b> Professor D. C. Watt and Professor I. H. Nish	10/M	Hy3506; Hy4540
Hy130	<b>Diplomatic History, 1814–1957</b> (Intercollegiate Class) Professor I. H. Nish and Dr. R. J. Bullen	25/MLS	Hy3510
Hy133	<b>The History of Russia, 1682–1917 — Class</b> Dr. A. B. Polonsky and Dr. D. C. B. Lieven	25/MLS	Hy3545
Hy134	<b>War and Society 1600–1815</b> Dr. D. McKay	25/MLS	Hy3520
Hy135	<b>Revolution, Civil War and Intervention in the Iberian Peninsula, 1808–1854</b> Dr. R. J. Bullen	10/M	Hy3523
Hy137	<b>British-American-Russian Relations, 1815–1914</b> Professor K. Bourne and Professor I. H. Nish	25/MLS	Hy3526
Hy140	<b>Facism and National Socialism in International Politics, 1919–1945</b> Dr. A. B. Polonsky and Mr. E. M. Robertson	12/ML	Hy3538
Hy141	<b>International Economic Diplomacy of the Inter-War Period</b> Dr. R. W. D. Boyce		Hy3539
Hy142	<b>The Re-Shaping of Europe, 1943–57</b> Professor D. C. Watt, Dr. R. J. Bullen and Dr. D. Stevenson		Hy3540
Hy143	<b>The Habsburg Monarchy and the Revolutions of 1848 — Class</b> Dr. A. Sked	20/ML	Hy3550
Hy146	<b>The Great Powers and the Balkans 1908–1914 — Class</b> Dr. A. B. Polonsky	20/ML	Hy3556
Hy147	<b>Great Britain and the Peace Conference of 1919 — Class</b> (Not available 1985–86) Mr. G. A. Grün	22/MLS	Hy3559
Hy148	<b>The Manchurian Crisis, 1931–33</b> Professor I. H. Nish	22/MLS	Hy3562
Hy149	<b>The League of Nations in Decline, 1933–37</b> Mr. E. M. Robertson	20/ML	Hy3565

<i>Lecture/ Seminar Number</i>			<i>Study Guide Number</i>
Hy154	<b>Palmerston, the Cabinet and European Policy of Great Britain, 1846–51</b> (Intercollegiate Seminar) Professor K. Bourne and Dr. R. J. Bullen	30/MLS	Hy3580
Hy155	<b>Japan and the Far Eastern Crisis 1931–41</b> (Intercollegiate Seminar) Professor I. H. Nish and Dr. Sims (SOAS)	30/MLS	Hy3583
Hy156	<b>The Great Powers 1945–1954</b> (Intercollegiate Seminar) Dr. A. B. Polonsky and Dr. A. Sked	30/MLS	Hy3586
Hy241	<b>European History since 1945</b> Dr. A. Sked	25/MLS	Hy4540
Hy254	<b>International History, 1814–1919 — Seminar</b> Professor K. Bourne, Dr. R. J. Bullen and Dr. A. Sked	14/MLS	Hy254
Hy255	<b>International History since 1919 — Seminar</b> Professor D. C. Watt, Mr. G. Grün and Mr. E. M. Robertson	14/MLS	Hy255





















Hy4428

**Diplomatic Theory and Practice, 1815–1919**

Teacher Responsible: Dr. D. Stevenson  
 Course Intended Primarily for M.A./M.Sc.  
 International History Paper 2  
 Teaching Arrangements: Twenty lectures and seminars (Hy171), Michaelmas and Lent Terms.

Hy4431

**Diplomatic Theory and Practice, 1919–1946**

Teacher Responsible: Professor D. C. Watt  
 Course Intended Primarily for M.A./M.Sc.  
 International History Paper 2  
 Teaching Arrangements: Ten seminars (Hy172), Lent Term.

Hy4465

**The Polish Question in International Relations, 1815–1864**

Teacher Responsible: Dr. Antony Polonsky  
 Course Intended Primarily for M.A./M.Sc.  
 International History Paper 3  
 Teaching Arrangements: (Hy186).

Hy4470

**Anglo-American Relations, 1815–1872**

Teacher Responsible: Professor K. Bourne  
 Course Intended Primarily for M.A./M.Sc.  
 International History Paper 3  
 Teaching Arrangements: (Hy188).

Hy4475

**The Mehmet Ali Crises, 1833–1841**

Teacher Responsible: Professor K. Bourne  
 Course Intended Primarily for M.A./M.Sc.  
 International History Paper 3  
 Teaching Arrangements: (Hy187).

Hy4481

**The Habsburg Empire, 1815–1853, with special reference to the Revolutions of 1848**

Teacher Responsible: Dr. A. Sked  
 Course Intended Primarily for M.A./M.Sc.  
 International History.

Hy4482

**Cobden, Free Trade and Europe, 1846–1882**

Teacher Responsible: Dr. A. C. Howe  
 Course Intended Primarily for M.A./M.Sc.  
 International History.

Hy4485

**The Coming of War, 1911–1914**

Teacher Responsible: Dr. D. Stevenson  
 Course Intended Primarily for M.A./M.Sc.  
 International History Paper 3  
 Teaching Arrangements: (Hy194).

Hy4490

**The Powers and the West Pacific, 1911–1941**

(Not available 1985–86)  
 Course Intended Primarily for M.A./M.Sc.  
 International History Paper 3  
 Teaching Arrangements: (Hy193).

Hy4495

**The Peace Settlement of 1919–1921**

(Not available 1985–86)  
 Course Intended Primarily for M.A./M.Sc.  
 International History Paper 3.  
 Teaching Arrangements: (Hy196).

Hy4500

**The Foreign Policy of the Weimar Republic, 1919–1933**

(Not available 1985–86)  
 Course Intended Primarily for M.A./M.Sc.  
 International History Paper 3.  
 Teaching Arrangements: (Hy197).

Hy4505

**The Military Policies of the Great Powers, 1919–1939**

Teacher Responsible: Professor D. C. Watt  
 Course Intended Primarily for M.A./M.Sc.  
 International History.  
 Teaching Arrangements: Fifteen Seminars, Lent and Summer Terms.

Hy4510

**The Comintern and its Enemies, 1919–1943**

Teacher Responsible: Mr. E. M. Robertson and Dr. Robert Boyce  
 Course Intended Primarily for M.A./M.Sc.  
 International History Paper 3  
 Teaching Arrangements: (Hy195).

Hy4515

**The Period of Appeasement, 1937–1939**

Teacher Responsible: Professor D. C. Watt  
 Course Intended Primarily for M.A./M.Sc.  
 International History Paper 3  
 Teaching Arrangements: Fifteen seminars (Hy202) Lent and Summer Terms.

Hy4520

**The European Settlement, 1944–1946**

Teacher Responsible: Professor D. C. Watt  
 Course Intended Primarily for M.A./M.Sc.  
 International History Paper 3  
 Teaching Arrangements: Fifteen Seminars (Hy203) Lent and Summer Terms.

Hy4525

**International History of East Asia from 1900**

(Not available 1985–86)  
 Course Intended Primarily for M.A. in Area Studies (Far Eastern Studies)  
 Teaching Arrangements: (Hy225).

Hy4540

**European History since 1945**

Teacher Responsible: Dr. A. Sked  
 Course Intended Primarily for M.Sc. in European Studies  
 Teaching Arrangements: Fifteen lectures (Hy241), Michaelmas and Lent Terms and classes (Hy241a) in the Lent Term.

Hy4575

**Anarchism, Movements and Ideas from the 1860's to 1918**

Teacher Responsible: Dr. Antony Polonsky  
 Course Intended Primarily for M.A. in Area Studies (European Studies)  
 Teaching Arrangements: Intercollegiate Seminar (Hy231), Sessional.

Hy4580

**The United States and European International Politics, 1900–1945 (Seminar)**

Teacher Responsible: Professor D. C. Watt  
 Course Intended Primarily for M.A. in Area Studies (United States Studies)  
 Teaching Arrangements: Seminars (Hy221), Sessional.

**INTERNATIONAL RELATIONS**

*This section is in two parts. The first part lists the lectures and seminars given by the department. The list provides a cross reference to the Study Guide(s) in which the syllabus and the reading list associated with the lecture or seminar can be found. The second part contains the Study Guides, presented in Study Guide number sequence. Unless otherwise stated (Seminar, Workshop, M.Sc. course etc.) these are lecture series and are open to all students. Undergraduate classes, associated with certain lecture series (e.g. IR101a, IR102a), are not included in this list.*

**Lectures and Seminars**

<i>Lecture/ Seminar Number</i>		<i>Study Guide Number</i>
IR101	<b>Structure of International Society</b> Dr. M. Leifer	20/ML IR3600
IR102	<b>International Politics — Lecture (undergraduate course)</b> Professor F. Halliday and Mr. M. Banks	20/ML IR3700; IR4700
IR104	<b>Concepts and Methods of International Relations</b> Mr. M. H. Banks	10/M IR3700; IR4621; IR4700
IR105	<b>The Foreign Policies of the Powers</b> Various lecturers	30/LS IR3702; IR3770; IR4610; IR4661; IR4660; IR4662; IR4663; IR4750
IR106	<b>Foreign Policy Analysis</b> Dr. C. J. Hill	10/M IR3702; IR4610; IR3781
IR107	<b>Decisions in Foreign Policy</b> Dr. C. Coker and Dr. C. J. Hill	8/L IR3702; IR4610; IR3781
IR108	<b>International Institutions</b> Professor S. Strange	20/ML IR3703; IR4630; IR3783
IR116	<b>International Communism</b> Mr. G. H. Stern	18/ML IR3770; IR4661
IR117	<b>The External Relations of the People's Republic of China</b> Mr. M. B. Yahuda	10/L IR4662
IR118	<b>New States in World Politics</b> Dr. P. Lyon	10/M IR3700; IR4610; IR4662; IR4663

<i>Lecture/ Seminar Number</i>		<i>Study Guide Number</i>
IR119	<b>International Relations in Southern Asia</b> Dr. M. Leifer	10/M IR4662
IR120	<b>International Politics of Africa</b> Mr. J. B. L. Mayall	10/ML IR4663; IR4755
IR121	<b>The Great Powers and the Middle East</b> Mr. P. Windsor and Professor F. Halliday	15/ML IR4663
IR122	<b>The Politics of Western European Integration</b> Dr. P. G. Taylor	10/M IR3771; IR4631; IR4751
IR123	<b>The External Relations of the European Community</b> Dr. C. J. Hill	5/L IR4631; IR4751; IR3771
IR124	<b>International Business in the International System</b> Mr. L. Turner	5/M IR4641
IR125	<b>Money in the International System</b> Professor S. Strange	15/ML IR4642
IR135	<b>The International Legal Order</b> Dr. I. Delupis	10/M IR3750; IR4632
IR136	<b>The Ethics of War</b> Mr. M. D. Donelan	10/M IR3755
IR137	<b>The Politics of International Economic Relations</b> Mr. M. D. Donelan and Mr. J. B. L. Mayall	10/M IR3752; IR4640; IR4641; IR3784; IR4643
IR138	<b>The Strategic Aspects of International Relations</b> Dr. H. Macdonald	20/ML IR3754; IR4650; IR3782
IR139	<b>Disarmament and Arms Limitation</b> Mr. N. A. Sims	15/ML IR139
IR140	<b>International Verification</b> Mr. N. A. Sims	5/L IR140
IR141	<b>Concepts and Issues in War Studies (post-1945)</b> Professor L. Freedman and others (King's College, Dept. of War Studies)	22/MLS IR141
IR142	<b>Current Issues in International Relations Seminar</b> Mr. G. H. Stern	10/L IR142
IR151	<b>International Politics — Lecture (M.Sc. IR course)</b> Mr. M. D. Donelan	10/M IR4600



Lecture/ Seminar Number			Study Guide Number
IR152	<b>International Politics — Seminar groups (M.Sc. IR course)</b> Various teachers	10/M	IR4600
IR153	<b>Foreign Policy Analysis — Seminar (M.Sc. IR course)</b> Dr. C. J. Hill and Dr. C. Coker	15/LS	IR4610
IR154	<b>International Political Economy Workshop</b> Professor S. Strange	10/ML	IR154
IR155	<b>Western International Politics — Seminars</b> (i) <b>Western Powers</b> Dr. H. Macdonald and Mr. P. Windsor (ii) <b>Western Europe</b> Dr. H. Macdonald	15/LS	IR4660
		15/LS	IR4750
IR156	<b>International Politics: the Communist Powers — Seminar</b> Mr. G. H. Stern	8/LS	IR4661
IR157	<b>Asia and the Pacific in International Relations — Seminar</b> Dr. M. Leifer	16/LS	IR4662
IR158	<b>Foreign Relations of African States — Seminar</b> Mr. J. B. L. Mayall	15/LS	IR4663; IR4755
IR159	<b>International Relations of the Middle East — Seminar</b> Mr. P. Windsor and Professor F. Halliday	10/LS	IR4663
IR160	<b>International Institutions — Seminar (M.Sc. IR course)</b> Mr. N. A. Sims	13/LS	IR4630
IR161	<b>European Institutions — Seminar (M.Sc. IR course)</b> Dr. P. G. Taylor	15/ML	IR4631
IR162	<b>External Relations of the European Community — Seminar</b> Dr. C. J. Hill	15/L	IR4631; IR4751; IR4750; IR4660
IR164	<b>Concepts and Methods of International Relations — Seminar</b> Mr. M. H. Banks	15/LS	IR4621
IR166	<b>The Politics of International Economic Relations — Seminar (M.Sc. IR course)</b> Mr. M. D. Donelan and Mr. J. B. L. Mayall	10/L	IR4640
IR167	<b>Money in the International System — Seminar</b> Professor S. Strange	15/ML	IR4642

Lecture/ Seminar Number			Study Guide Number
IR168	<b>International Business in the International System — Seminar</b> Professor S. Strange	15/ML	IR4641
IR169	<b>The International Legal Order — Seminar (M.Sc. IR course)</b> Dr. I. Delupis	10/L	IR4632
IR170	<b>Strategic Studies — Seminar (M.Sc. IR course)</b> Mr. P. Windsor and Dr. H. Macdonald	25/MLS	IR4650
IR171	<b>Disarmament and Verification — Seminar</b> Mr. N. A. Sims	6/S	IR171
IR172	<b>Contemporary Strategic Issues — Seminar</b> Professor L. Freedman, Dr. B. A. Paskins and Dr. W. Mendl (King's College, Dept. of War Studies)	10/ML	IR172
IR173	<b>International Law and Organisation in Latin America and the Caribbean</b> Dr. F. Parkinson	25/MLS	IR4633
IR174	<b>World Politics — Seminar (Diploma course)</b> Professor F. Halliday and Mr. M. H. Banks	20/ML	IR4700
IR175	<b>Politics of International Trade — Seminar (M.Sc. PWE course)</b> Mr. J. B. L. Mayall	15/ML	IR4643
IR176	<b>International Political Economy — Lecture (M.Sc. PWE course)</b> Professor P. J. D. Wiles	25/ML	IR4639
IR177	<b>International Political Economy — Seminar (M.Sc. PWE course)</b> Professor P. J. D. Wiles and Professor S. Strange	20/ML	IR4639
IR178	<b>Revolutions and the International System</b> Professor F. Halliday	10/L	IR4645
IR179	<b>Revolutions and the International System — Seminar</b> Professor F. Halliday	10/L	IR4645
IR180	<b>General International Relations — Seminar</b> Professor S. Strange	18/ML	IR180
IR181	<b>International Relations Research Seminar</b> Dr. M. Leifer	10/M	IR181
IR182	<b>International Political Theory — Seminar</b> Mr. M. D. Donelan	10/ML	IR182

Lecture/ Seminar Number		Study Guide Number
IR183	<b>Interacting Aspects of Security Policy Workshop</b> Dr. C. Coker, Dr. H. Macdonald and Mr. P. Windsor	15/MLS IR183
IR184	<b>Political Questions in a Philosophical Context — Seminar</b> Mr. A. Smith and Mr. P. Windsor	20/LS IR184
IR185	<b>Foreign Policy Issues Workshop</b> Dr. C. Coker and Dr. C. J. Hill	15/MLS IR185
IR186	<b>The History of the Cold War</b> Professor H. Gelber	10/L IR186
IR187	<b>International Political Economy of Natural Resources</b> Dr. J. A. Rees and Professor P. Odell	12/M IR4644

## Study Guides

### Foreign Policies of the Powers

**Teacher Responsible:** Dr. C. J. Hill, Room A232 (Secretary, Elizabeth Leslie, A229)

**Course Intended Primarily for** 2nd year B.Sc. (Econ.) International Relations students taking **Foreign Policy Analysis (IR3702)** as a compulsory paper; M.Sc. International Relations students taking the **Foreign Policy Analysis (IR4610)** option; Beaver College (one-term) and other interested students.

**Scope:** The foreign policies and foreign policy processes of selected major states since 1945, depending on examination requirements and teachers available.

**Syllabus:** An analysis of the foreign policies of a selected group of major States, with due regard to their respective national interests, external commitments, traditional values and other relevant factors. The role of internal group interests and electoral considerations. Constitutional machinery for the formulation of foreign policy. Diplomatic services and techniques. Illustrative material will be drawn mainly from the post-1945 period.

This year there will be lectures on Britain, the United States, the Soviet Union, France, West Germany, Indonesia, Japan and Australia.

**Pre-Requisites:** None.

**Teaching Arrangements:** A number of individuals from the International Relations and International History Departments, as well as guest lecturers participate in the series, which takes place on Mondays and Fridays at 11 a.m. in the Lent and early Summer Terms. There will be at least thirty lectures in all.

**Written Work:** See below — **Examination Arrangements**

**Reading List:**

(a) **The United States:** N. Graebner, *Ideas and Diplomacy*; C. V. Crabb, *Policy Makers and Critics*; B. C. Cohen, *The Press and Foreign Policy*; E. Frank and M. Irish, *U.S. Foreign Policy*; R. Neustadt, *Presidential Power*; R. Hilsman, *The Politics of Policy Making in Defense and Foreign Affairs*; I. Destler, *Making Foreign Economic Policy*; L. Kirkpatrick, *The United States Intelligence Community*.

(b) **The United Kingdom:** Lord Strang, *The Foreign Office*; F. S. Northedge, *Descent from Power: British Foreign Policy, 1945-1973*; Roy E. Jones, *The Changing Structure of British Foreign Policy*; David Dilks (Ed.), *Retreat from Power* (2 Vols.); F. S. Northedge, *The Troubled Giant*; M. Leifer (Ed.), *Constraints and Adjustments in British Foreign Policy*; R. Boardman and A. J. R. Groom (Eds.), *The Management of Britain's External Relations*; E. Barker, *Britain in a Divided Europe*; U. Kitzinger, *Diplomacy and Persuasion*; A. J. Pierre, *Nuclear Politics*; S. Strange, *Sterling and British Policy*; Paul Kennedy, *The Realities behind Diplomacy. Background Influences on British External Policy, 1865-1980*; W. Wallace, *The Foreign Policy Process in Britain*.

(c) **The Soviet Union:** J. Steele, *World Power*; R. Edmonds, *Soviet Foreign Policy: the Brezhnev Years*;

### IR105

G. Arbatov & W. Oltmans, *Cold War or Detente: the Soviet viewpoint*; J. F. Triska and D. D. Finley, *Soviet Foreign Policy*; A. B. Ulam, *Expansion of Soviet Existence*; W. Welch, *American Images of Soviet Foreign Policy*; E. Hoffman and F. Fleron (Eds.), *The Conduct of Soviet Foreign Policy*.

(d) **France:** Edward A. Kolodziej, *French International Policy under de Gaulle and Pompidou*; Herbert Tint, *French Foreign Policy since the Second World War*; Philip Cerny, *The Politics of Grandeur-Ideological Aspects of de Gaulle's Foreign Policy*; W. Wallace and W. Paterson (Eds.), *Foreign Policy-Making in Western Europe*; Jack Hayward, *The One and Indivisible French Republic*; Vincent Wright, *The Government and Politics of France*; Martin Schain and Philip Cerny (Eds.), *French Politics and Public Policy*.

(e) **West Germany:** H. Speier (Ed.), *West German Leadership and Foreign Policy*; A. Grosser, *Germany in our Time*; K. Kaiser and R. Morgan (Eds.), *Great Britain and West Germany: Changing Societies and the Future of Foreign Policy*; R. Morgan, *West Germany's Foreign Policy Agenda*; K. Deutsch and L. Edinger, *Germany Rejoins the Powers*; H. Plessner, *Die verspätete Nation*.

(f) **Indonesia:** G. McT. Kahin, *Nationalism and Revolution in Indonesia*; A. M. Taylor, *Indonesian Independence and the U.N.*; L. H. Palmier, *Indonesia and the Dutch*; J. A. C. Mackie, *Konfrontasi. The Indonesia-Malaysia Dispute, 1963-1966*; Sukarno's *Indonesian Revolution*; F. B. Weinstein, *Indonesia Abandons Confrontation; Indonesian Foreign Policy and the Dilemma of Dependence*; M. Leifer, *Malacca, Singapore and Indonesia (Vol. II, International Straits of the World)*; M. Leifer, *Indonesia's Foreign Policy*.

(g) **Japan:** E. Wilkinson, *Misunderstanding: Europe vs Japan*; D. C. Hellman, *Japan and East Asia: The New International Order*; F. C. Langdon, *Japan's Foreign Policy*; D. H. Mendel, *The Japanese People and Foreign Policy*; L. Olson, *Japan in Postwar Asia*; J. A. Stockwin, *The Japanese Socialist Party and Neutralism*; M. E. Weinstein, *Japan's Postwar Defence Policy, 1947-1968*.

**Examination Arrangements:** This lecture course is not examinable as a course in itself. It provides specific material for Section B of the B.Sc. **Foreign Policy Analysis** course (IR3702) and the Diploma **Foreign Policy Analysis** course (IR3781) and important background information for Section A in both courses, as well as the whole of the M.Sc. **Foreign Policy Analysis** course (IR4610). It is only available as credit for General Course students as part of the **Foreign Policy Analysis** course as a whole.

Beaver (one-term) students are the only group for whom a class specific to these lectures is arranged.

### IR107

#### Decisions in Foreign Policy

**Teacher Responsible:** Dr. C. J. Hill, (Room A232) and Dr. C. Coker, Room A136 (Secretary, Elizabeth Leslie, A229)

**Course Intended Primarily for** all those taking Foreign Policy Analysis, whether B.Sc. (Econ.) 3rd year I.R. Specialists or students on the Diploma in International







*Vietnam War*, 1978; G. Herring, *America's Longest War*, 1979; L. Berman, *Planning a Tragedy: the Americanisation of the Vietnam War*, 1982; H. Summers, *On Strategy: a critical analysis of the Vietnam War*, 1982; G. Kahin & J. Lewis, *The United States in Vietnam*, 1980.

**Examination Arrangements:** There is a three-hour formal examination in the Summer Term based on the lecture course and topics covered in class and requiring familiarity with the primary sources, copies of which will be held on reserve. The paper will contain about twelve questions of which three are to be answered.

**IR3750  
IR4632**

### The International Legal Order

**Teacher Responsible:** Dr. I. Delupis, Room A235 (Secretary, Anna Morgan, A229)

**Course Intended Primarily for** B.Sc. (Econ.) Part II and M.Sc. International Relations.

**Scope:** The aim of the course is to introduce students to the nature and function of international law in the international community.

**Syllabus:** The distinctive nature of international law; its impact in foreign relations; the sources of international law; the basis of legal obligation; ideology in international law; unequal treaties, enforcement and sanctions; the United Nations in international law; certain disorders: terrorism, hi-jacking, espionage; the international judicial process.

**Pre-Requisites:** No previous knowledge required.

**Teaching Arrangements:** There is one course (IR135) of ten lectures in the Michaelmas Term and 10 classes (IR135a) for undergraduates in the Lent Term and 10 seminars (IR169) for graduates in the Lent Term.

**Reading List:** Henkin, *How Nations Behave*; Kaplan & Katzenbach, *The Political Foundations of International Law*; C. de Visscher, *Theory and Reality in Public International Law*; Kunz, *The Changing Law of Nations*; Delupis, *International Law and the Independent State*; Higgins, *Conflict of Interests: International Law in a Divided World*; Bin Cheng (Ed.), *International Law: Teaching & Practice*.

**Examination Arrangements:** One three-hour written examination paper in the Summer Term.

**IR3752**

### The Politics of International Economic Relations

**Teachers Responsible:** Mr. M. D. Donelan, Room A135 and Mr. J. B. L. Mayall, Room A234 (Secretaries, Anna Morgan, A138 and Ms. Elizabeth Leslie respectively, A229)

**Course Intended Primarily for** B.Sc. (Econ.) Part II 3rd year.

**Syllabus:** The syllabus for the course is:

(i) The economic factor in foreign policy. The economic ambitions of states. Economic causes of war. Peace-making and peace-keeping. Economic resources for foreign policy. Economic instruments.

(ii) The development of thought about the relationship between international politics and the international

economy. Mercantilism, Laissez-faire and economic nationalism. The evolution of the Bretton Woods institutions and ideas about international commercial and monetary management. The challenge from the Third World.

**Teaching Arrangements and Written Work:** (Lectures, IR137 and Classes, IR137a). Students deliver class papers and write essays for the class teachers on topics notified at the beginning of the Session.

**Reading List:** The basic books are: J. Spero, *The Politics of International Economic Relations*; D. K. Fieldhouse, *The Theory of Capitalist Imperialism*; W. Barber, *A History of Economic Thought*.

A detailed reading list is distributed at the beginning of the Session.

**Examination Arrangements:** Summer Term, formal, three hours, four questions chosen from twelve. Past examination papers may be seen in the Teaching Library.

**IR3754  
IR3782  
IR4650**

### Strategic Aspects of International Relations

**Teacher Responsible:** Dr. Hugh Macdonald, Room A236 (Secretary, Elizabeth Leslie, A229)

**Course Intended Primarily for** B.Sc. (Econ.) XIII International Relations 3rd Year (Papers 5 & 6 (e)), Diploma in International and Comparative Politics, M.Sc. International Relations (Papers 2 & 3 (f)).

**Scope:** In general terms the course considers the place of war in international relations, and the social, political, and economic consequences of the use of force. The greater part of the course is concerned with force in international relations since 1945.

**Syllabus:** The employment of force for political ends. The contribution of Clausewitz, and criticisms of his work. Differences in the role of force in nineteenth and twentieth century patterns of international order. The ideas of a number of schools of thought and individuals. The impact of science and technology, and of social forces such as nationalism and imperialism, upon war. Force in international relations since 1945. The origins and development of superpower conflict. Impact of nuclear weapons on international relations, and on thought about war and peace. Doctrines of the superpowers and their allies. Ideas of deterrence, limited war, arms control, and alliance management. The phenomena of guerrilla warfare. The proliferation of weapons systems. The diffusion of military power. Conflict among developing countries. Implications for international security of the present pattern of order in East-West, North-South, and regional relationships.

**Pre-Requisites:** A working knowledge of international history since 1815 and of traditional theories of international politics is desirable.

**Teaching Arrangements:** The lecture course (IR138) (20 Michaelmas and Lent Terms) is followed by classes for B.Sc. (Econ.) 3rd year (I38a), (15 Lent and Summer Terms), and by seminars for Diploma in

International and Comparative Politics, (15 Lent and Summer Terms). For M.Sc. students a seminar (IR170), (25 Sessional) is held weekly through most of the year. Classes are taught by Mr. Philip Windsor, (Room A120), Dr. Macdonald, (Room A236) and others. The M.Sc. seminar is run jointly by Mr. Windsor and Dr. Macdonald. Topics covered in classes and seminars will vary according to the level of teaching. The scope of teaching for each examination will be coordinated among individual teachers, who will make their own arrangements for informing students at the beginning of classes or seminars. In practice the majority of taught topics will be on strategic aspects of postwar international relations and, as in the past, examination questions will reflect this. Related lectures and seminar courses (IR139, IR140, IR171) on **Disarmament and Arms Limitation** and on **International Verification** are run by Mr. Nicholas Sims (Room A231). Graduate students may be able to attend certain courses given by the Department of War Studies at King's College. The International Institute for Strategic Studies (IISS) and the Royal United Services Institute for Defence Studies (RUSIDS) are both nearby and students in Strategic Studies may be eligible for student membership, which gives access to certain meetings and to excellent specialised libraries.

**Written Work:** The normal work load for undergraduate classes is one oral presentation (15 minutes) and three essays (1,500 words each). Working arrangements in the Diploma and M.Sc. Seminars will vary according to the size and composition of the group, but as a guide students may be expected to present two short papers (20 minutes each), which may be written, and up to three essays (2,000 words each).

**Reading List:** There is no one book covering the entire syllabus. The subject matter and pertinent literature is extremely wide and students are advised to read accordingly. Moreover a number of the most significant works in this subject have recently gone out of print. The following short list is intended to suggest some of the most important and some of the best currently available books. An asterisk indicates publication in paperback edition. A longer reading list is available from the department.

H. Adomeit, *Soviet Risk-Taking and Crisis Behaviour*; R. Aron, *Clausewitz On War*, Routledge; \*B. Brodie, *Strategy in the Missile Age*, Princeton U.P. & O.U.P.; C. M. von Clausewitz, *On War* (Eds. P. Paret & M. E. Howard), Princeton U.P.; \*A. W. De Porte, *Europe between the Superpowers*, Yale U.P.; \*L. Freedman, *The Evolution of Nuclear Strategy*, Macmillan; \*F. Griffiths & K. Polanyi (Eds.), *The Dangers of Nuclear War*, Toronto U.P.; \*A. Grosser, *The Western Alliance*, Macmillan; \*P. Hanson and K. Dawisha (Eds.), *Soviet-East European Dilemmas*, Heinemann; \*D. Holloway, *The Soviet Union and the Arms Race*, Yale U.P.; D. Holloway & J. Sharp (Eds.), *The Warsaw Pact: Alliance in Transition*, Macmillan; \*M. E. Howard, *War in European History*, Oxford U.P.; \*D. Leebaert (Ed.), *Soviet Military Thinking*, Allen & Unwin; \*S. Lunn, *Burden Sharing in NATO*, Routledge; \*W. H. McNeill, *Pursuit of Power*, Blackwell; \*S. Talbot, *Deadly Gambits*, Knopf.

**Examination Arrangements:** For all students (except

General Course students, who may elect) there are three-hour formal examinations held in Summer Term. For B.Sc. (Econ.) four questions must be answered from twelve or more. For M.Sc. and Diploma in International and Comparative Politics, three questions must be answered from twelve or more. Examples of recent past examination papers will be found appended to the general reading list for strategic studies.

**IR3755**

### The Ethics of War

**Teacher Responsible:** Mr. M. D. Donelan, Room A135 (Secretary, Anna Morgan, A229)

**Course Intended Primarily for** B.Sc. (Econ.) Part II 3rd year.

**Syllabus:** The beginnings of the ethical tradition: the right to go to war. Conditions governing the right. The pacifist challenge to the ethics of war. The realist challenge. Political control and economy of force as a substitute for ethics. The development of rules of warfare, Geneva and the Hague. The basis of the rules: innocence and guilt, humanity and necessity. Ethical principles of warfare; discrimination, proportion, minimum force. Guerrilla warfare. The ethics of nuclear deterrence. Terrorism. The justification of the arms trade. World armaments and world poverty.

**Teaching Arrangements and Written Work:** Lectures, IR136; Classes, IR136a. Students deliver class papers and write essays for the class teacher on topics notified at the beginning of the session.

**Reading List:** The basic books are: G. Best, *Humanity in Warfare*; G. Goodwin (Ed.), *Ethics and Nuclear Deterrence*; M. Howard (Ed.), *Restraints on War*. A detailed reading list is distributed at the beginning of the Session.

**Examination Arrangements:** Summer Term, formal, three hours, four questions chosen from twelve.

**IR3770  
IR4661**

### International Communism International Politics: The Communist Powers

**Teacher Responsible:** Geoffrey Stern, Room A140 (Secretary, Anna Morgan, A229)

**Course Intended Primarily for** M.Sc. students specialising in the *Communist Powers*, but it is also designed for B.Sc. students intending to take **International Communism** as an approved subject.

**Scope:** The aim of the course is to examine the development of Marxist-Leninist parties, factions and fronts throughout the world. Particular attention is given to the inter-relationships of those organisations and their degree of sensitivity to changes in the domestic and foreign policy of the USSR. The main emphasis is on behaviour and on the factors which influence it. Since behaviour is influenced though not determined by theory, the lecture begins with a brief examination of relevant theories.

**Syllabus:** International implications of the Bolshevik Revolution of 1917. The development of Communist parties, factions and fronts in Europe, Asia, the Middle East, Latin America and elsewhere: their inter-relations and their degree of sensitivity to changes in Soviet domestic and foreign policies. The institutional structure of the Comintern, Cominform, Comecon and the Warsaw Pact: the effectiveness of those organisations in the achievement of their presumed goals. The Sino-Soviet dispute and the emergence of polycentrism in the Communist world.

**Pre-Requisites:** Students will not be expected to have studied the subject before, but some familiarity with both Marxist theory and Soviet history would be an advantage.

**Teaching Arrangements and Written Work:** Students of the **Communist Powers** are advised to attend lecture series IR116 **International Communism** in the Michaelmas and Lent Terms. It is also advisable to attend lectures on Soviet, Chinese and American policy in the series IR105 **The Foreign Policies of the Powers**. These start in the second half of the Michaelmas Term and continue into Lent and Summer. Additionally, students may find it useful to attend seminars on **Soviet & East European Politics** which are held throughout the Michaelmas and Lent terms on Tuesdays in Room A40. These are under the aegis of the Government Department and students may contact Anne Kennedy in Room L301 for details.

A programme of 8 seminars on the **Communist Powers** (IR156) dealing exclusively with ruling parties will be held in the Lent and Summer Terms. These will meet fortnightly in the Lent Term and weekly in the Summer Term.

No class paper or other written work is involved, but students may submit essays on relevant topics to their supervisor.

Lecture Topics:

1. *The subsystem.* 'International Communism' defined, following an analysis of what 'Communism' means in theory and how Marxist-Leninist states operate in practice. Political, economic and social structures in the Communist-ruled states. An analysis of inter-Communist conflicts and their implications.
2. *The Marxist foundation.* A brief examination of the key concepts of Marx and Engels. Diverse trends in Marxist thought and organisation prior to the first world war and their relevance to an understanding of inter-Communist relations.
3. *The Leninist edifice.* Menshevism and Bolshevism examined in context. Lenin's concept of the Vanguard party and of 'democratic centralism'. His adaptation and transformation of Marxism in attempting to apply it to a predominately peasant, under-capitalised society.
4. *The revolution ebbs.* The political, social and economic consequences of attempting to implement a Socialist programme in a country lacking many of the prerequisites and at a time when revolutionary hopes in Germany, Hungary, Austria and the 'colonies' and 'semicolony' are fading. The notion of 'peaceful coexistence'.
5. *Socialism in one country.* An assessment of the political and ideological implications of the policy both for the Soviet Union and the members of the

Comintern. The restructuring of the Comintern including the 'bolshevisation' of the Sections and the policies they are called upon to pursue. The United Front in China, Britain and elsewhere and the repercussions on international Communism of the 'class against class' policy.

6. *From 'class against class' to the Popular Front.* Implications of the Comintern's changes of line on the Communist movement in general and on the Soviet, German, Chinese, French and Spanish parties in particular.

7. *The Nazi-Soviet pact.* Analysis of the origins, aftermath and implications of the pact. Communist policy in the occupied and unoccupied territories.

8. *'Socialist patriotism'.* From Great Patriotic War - Communist tribulations and triumphs to the creation of a 'Socialist zone' in Eastern Europe and East Asia. The Cominform and the disappearance of the short-lived concept of 'the national road to Socialism'. The notion of 'proletarian/Socialist internationalism'.

9. *The Communist monolith and the 'weak link'.* A case by case study of the economic and political impact of Stalinism in Eastern Europe and beyond. The implications of Yugoslavia's break with Moscow and of the victory of the Chinese Communist Party.

10. *Destalinisation and revolt.* The death of Stalin and its impact in Russia, Eastern Europe and the wider Communist fraternity. The process of destalinisation and the unsettling effect in Eastern Europe, China and beyond of Khrushchev's attack on Stalin and his revisions of accepted doctrine. The turmoil in Poland and Hungary compared and contrasted. The significance of the use in East Germany and Hungary of the Red Army.

11/12. *Eastern Europe since 1956.* Case studies illustrating the polycentric character of the area and the reasons for diversity.

13. *COMECON.* History, problems and prospects.

14. *The Warsaw Pact.* History, problems and prospects.

15. *Mao and the Chinese road to Socialism.* The Maoist contribution to revolutionary theory and practice 1927-1954. China 'leans to one side'. The repercussions of the Korean War.

16. *The Sino-Soviet dispute.* The multifaceted nature of the conflict - historical, territorial, geopolitical, ideological, etc. The balance of power and the American dimension. The repercussions of the dispute in polarising Communist sympathies in Indochina, Mongolia and elsewhere.

17. *Cuba.* The rise and decline of a distinctive Socialist model. Cuba as a centre of Afro-American and of Hispanic Marxism-Leninism. Havana's role in Africa and relations with Moscow.

18. *Marxism-Leninism. Nationalist or Internationalist?* Ruling and non-ruling parties: their priorities and preoccupations. The challenge of 'Eurocommunism' and of 'the New Left'. The absence of an agreed centre or of a universal inter-Communist organisation. Theoretical and practical problems. Prospects.

**Reading List:** A detailed list of books is provided on a separate sheet. It is a lengthy compilation, but its object is not to exhaust the student with overwork, but

to indicate the range of available material for specialist and generalist work.

The following are basic texts for the course: Z. Brzezinski, *The Soviet Bloc*; K. Dawisha & P. Hanson (Eds.), *Soviet-East European Dilemmas*; E. Fejto, *A History of the People's Democracies*; K. Grzybowski, *The Socialist Commonwealth of Nations*; C. Jacobsen, *Sino-Soviet Relations since Mao*; M. McCauley (Ed.), *Communist Power in Europe 1944-49*; O. Narkiewicz, *Marxism and the Reality of Power*; T. Rakowska-Harmstone (Ed.), *Communism in Eastern Europe*; H. Schwartz, *Tsars, Mandarins and Commissars*; B. Szajkowski, *Marxist Governments*; R. Tucker, *The Marxist Revolutionary Idea*; M. Waller, *The Language of Communism*; P. Wiles (Ed.), *The New Communist Third World*.

**Examination Arrangements:** For M.Sc. students taking the Communist Powers option there will be a three-hour examination in the Summer Term. It will contain twelve questions of which three are to be answered and will be based on material arising out of the relevant lectures and seminars.

For B.Sc. students taking **International Communism** as an approved subject there will be a three-hour examination in the Summer Term. It will contain twelve questions of which four are to be answered and will be based on material arising out of the lecture course and seminar.

IR3771

IR4631

IR4751

### European Institutions

**Teacher Responsible:** Dr. P. G. Taylor, Room A129 (Secretary, Anna Morgan, A229)

**Course Intended Primarily for** B.Sc. (Econ.) Part II; M.Sc. International Relations and M.Sc. European Studies; optional for Diploma in International and Comparative Politics.

**Scope:** The lecture course focuses upon the progress and problems of regional integration in Western Europe since 1945.

**Syllabus:** The emergence of the European Communities: the European idea; the dynamics of integration. The institutions: structure and policy-making processes (O.E.E.C.-O.E.C.D., Council of Europe, the E.E.C. and E.C.S.C.). The impact of the institutions upon state policy. Theoretical aspects: the notion of supranationality. The Federalist, the Confederalist and the Functionalist approaches to regional integration in Western Europe. European security and European integration. M.Sc. students should also take course IR123, **External Relations of the European Community**.

**Pre-Requisites:** IR students may take this course in their 3rd or 2nd year, depending upon timetabling constraints. There are no formal pre-requisites but, as the course deals in part with contemporary problems of economic policy in Europe, an interest in such issues and an ability to deal with them is essential.

**Teaching Arrangements:** In addition to the lectures (IR122) seven classes (IR122a) for undergraduates are arranged for the Lent Term. For postgraduate students

there are 15 meetings of a Seminar (IR161) for International Relations and European Studies specialists and other postgraduate students, in Michaelmas and Lent Terms, for which there is a separate hand-out. M.Sc. students also attend lectures and seminars (IR123) and (IR162).

**Written Work:** Four undergraduate essays are allocated in class. For postgraduate subjects substantial class presentations are allocated at the first meeting of the seminar and essays are allocated by individual tutors.

**Reading:** No single book is exactly coterminous with the syllabus. The following are useful introductions: Paul Taylor, *The Limits of European Integration*, Croom Helm, 1983; Denis Swann, *The Economics of the Common Market*, Penguin, 1984; Hugh Arbuthnot & Geoffrey Edwards, *A Common Man's Guide to the Common Market*, Macmillan, 1978; W. Wallace, H. Wallace & Carole Webb, *Policy Making in the European Community*, Wiley, 2nd edn., 1983.

**Examination Arrangements:** There will be a three hour written examination for undergraduates in late May or early June. The paper for postgraduates will be in June, and is called European Institutions for M.Sc. International Relations and The Politics of Western European Integration for European Studies M.Sc. students and others.

IR3781

### Foreign Policy Analysis

**Teacher Responsible:** Dr. C. J. Hill, Room A232 (Secretary, Elizabeth Leslie, A229)

**Course Intended Primarily for** Diploma in International and Comparative Politics.

**Scope:** The aim of the course is to analyse the perspectives and means of conduct of the main actors in the international system, towards each other.

**Syllabus:** An investigation of the behaviour of the individual actors of international relations, focusing mainly, but not entirely, on states; the various influences on decision-making in foreign policy, external and internal; the importance of bureaucracy, of domestic political systems, of economic development and of the groups affected by foreign policy; the problems arising out of the formulation of goals and the choice of policy instruments; psychological elements in policy-making; transnational relations.

**Pre-Requisites:** Diploma students do not need any special advance knowledge to choose this as an optional course.

**Teaching Arrangements:** All students are advised to attend lecture series IR106 **Foreign Policy Analysis** and IR107 **Decisions in Foreign Policy** which are given by Dr. Hill and Dr. Coker consecutively during Michaelmas and Lent Terms as well as as many IR105 **The Foreign Policies of the Powers** (various lecturers) as possible. Other relevant lectures will be announced from time to time. Separate classes (IR106a), with around 12 students in each, will be arranged with the participation of other members of the department.

**Written Work:** Students are expected to write at least three essays directly on questions arising out of the course. In order to relieve the pressure on books at any





**Syllabus:** This course deals with the ways in which international actors – primarily but not exclusively states – formulate decisions and strategies for dealing with other members of the international community. It concentrates on the interplay between domestic and external forces, on the organization, psychology and politics of small-group decision-making, on the purposes behind foreign policy and on the instruments available to those who make it. Problems of comparison, choice, and rationality are treated extensively, as are contemporary criticisms of the concept of a separate 'foreign' policy. The geo-politics of foreign policy is high-lighted.

**Pre-Requisites:** Students need not have studied Foreign Policy Analysis before, but a basic familiarity with modern international history will be an advantage as in any International Relations course. Students wishing to familiarize themselves with the broad outline of the subject should refer to the text books on the B.Sc. (Econ.) Study Guide, IR3702.

**Teaching Arrangements:** All students are advised to attend lecture series IR106 *Foreign Policy Analysis*, and IR107 *Decisions in Foreign Policy* which are given by Dr. Hill and Dr. Coker during Michaelmas and Lent Terms and IR118 *New States in World Politics* by Dr. Lyon in the Michaelmas Term. It is also important to attend as many of the lectures in the series IR105 *The Foreign Policies of the Powers*, as possible. These start in the second half of the Michaelmas Term and continue into Lent and Summer. A seminar programme (IR153) will run from the beginning of the Lent Term until two or three weeks before the Summer examinations.

**Written Work:** Students taking this option will be able in many cases to write essays in the subject for their supervisors. Otherwise they can arrange to submit work to Dr. Hill and Dr. Coker who will be running the seminar. Each student will also be expected to introduce at least one seminar topic orally.

**Reading List:** The following books are a necessary but not sufficient reading requirement. They provide access to most of the main themes of the course as well as to a considerable amount of empirical material: Graham Allison, *Essence of Decision*, Little, Brown, 1971; Irving Janis, *Victims of Groupthink*, Houghton Mifflin, 1972; Robert Jervis, *Perception and Misperception in International Politics*, Princeton University Press, 1976; Kal Holsti, *Why Nations Realign: Foreign Policy Restructuring in the Post-War World*, Allen & Unwin, 1982; Ernest May, *'Lessons' of the Past: The Use and Misuse of History in Foreign Policy*, Oxford University Press, 1973; Jiri Valenta, *Soviet Intervention in Czechoslovakia, 1968: Anatomy of a Decision*, John Hopkins University Press, 1979; William Wallace, *The Foreign Policy Process in Britain*, Royal Institute of International Affairs, 1976; Paul Lauren (Ed.), *Diplomacy: New Approaches in History, Theory and Policy*, Free Press, New York, 1979; R. Ned Lebow, *Between Peace and War*.

**Examination Arrangements:** A three hour examination will be taken in the Summer Term, consisting of questions of a comparative and theoretical nature. Students will be expected to use analytical and historical knowledge of major foreign policy issues in

answering these questions, of which three have to be completed in the time available.

Copies of previous years' papers, together with lecture and seminar programmes are provided in a separate handout.

#### IR4621

### Concepts and Methods of International Relations

**Teacher Responsible:** Michael Banks, Room A138 (Secretary, Hilary Parker, A139)

**Course Intended Primarily for** M.Sc. International Relations, as an optional field for examination. The course is also designed as general background for students taking the Diploma in Comparative and International Politics; B.Sc. (Econ.) in International Relations, 3rd year; and the Dartmouth College one-term exchange programme.

**Scope:** A critical examination of the nature, assumptions and implications of the contemporary literature of international relations.

**Syllabus:** Evolution and characteristics of the international relations discipline and associated fields. Schools of thought: traditionalist, behaviouralist and contemporary. State-centric, pluralist and structuralist paradigms. Conflict analysis, peace theory and future studies. Current trends and controversies.

**Pre-Requisites:** The course assumes an elementary knowledge of international relations.

**Teaching Arrangements:** There are ten lectures (IR104) in the Michaelmas Term. A weekly seminar (IR164) for M.Sc. candidates for examination in the subject will be held in the Lent and Summer Terms, open also to research students, and to General Course students by specific permission. There are no classes for Diploma and B.Sc. (Econ.) students, but the lectures are intended to assist them in the study of international politics, foreign policy analysis and other subjects.

Approximate lecture topics, IR104: History of thought; Behaviouralism; Contemporary Theory I; Contemporary Theory II.

Paradigms; The World Society; Conflict: causes, properties; Conflict: dynamics; management, resolution; Peace.

**Written Work** will be specified for M.Sc. students as appropriate in the course of the seminar in the Lent and Summer Terms.

**Reading List:** No one text exists for this field, but the following gives an indication of the range of materials available. A detailed supplementary reading list is provided with the lectures. Edward E. Azar (Ed.), *The Theory and Practice of International Conflict Resolution*, Wheatsheaf, Brighton, 1985; Michael Banks (Ed.), *Conflict in World Society*, Wheatsheaf, Brighton, 1984; John W. Burton, *Global Conflict*, Wheatsheaf, Brighton, 1984; James E. Dougherty & Robert L. Pfaltzgraff, Jr., *Contending Theories of International Relations – A Comprehensive Survey* (2nd edn.), Harper & Row, New York & London, 1981, pb; Johan Galtung, *The True Worlds: A Transnational Perspective*, The Free Press, New York, 1980; Ray Maghroori & B. Ramberg (Eds.), *Globalism*

*versus Realism* Westview, Boulder, CO, 1983; Patrick M. Morgan, *Theories and Approaches to International Politics: What are We to Think?* (3rd edn.), Transaction Books, New Brunswick, New Jersey & London, 1981; Ralph Pettman, *State and Class: A Sociology of International Affairs*, Croom Helm, London, 1979, pb; Michael P. Sullivan, *International Relations: Theories and Evidence*, Prentice-Hall International, London, 1976; Trevor Taylor (Ed.), *Approaches and Theory in International Relations*, Longman, London, 1978, pb; John Vasquez, *The Power of Power Politics*, Frances Pinter, London, 1983.

**Examination Arrangements:** The M.Sc. examination in Concepts and Methods consists of a 3-hour paper taken in mid-June, with three questions out of twelve to be answered. Sample question papers from the previous three years are attached to the supplementary reading list which is distributed during the lectures.

#### IR4630

### International Institutions

**Teacher Responsible:** Mr. N. A. Sims, Room A231 (Secretary, Elizabeth Leslie, A229)

**Course Intended Primarily for** International Institutions as an option within the M.Sc. in International Relations and cognate Master's degrees. (Study Guides IR3703 and IR3783 respectively deal with International Institutions courses for undergraduate and Diploma students.)

**Scope:** The short duration of this course obliges us to be highly selective. We focus principally on the Covenant and Charter, and subsequent practice in the League and United Nations experiences, in order to illustrate some of the major ideas and issues of international organisation.

**Syllabus:** International organisation as a dimension of international relations. Types and patterns of international organisation. The constitution, structure and experience of the League of Nations and the United Nations, with particular reference to the Covenant, the Charter and subsequent practice.

**Pre-Requisites:** It will be an advantage to have studied international organisation within the context of a first degree in International Relations, but this is not formally required. All students taking this option need, from the start, to make themselves thoroughly conversant with the Covenant and Charter, the texts of which will be found in many reference works and books on international organisation.

**Teaching Arrangements and Written Work:** The teaching exclusive to M.Sc. students taking this option consists of a weekly seminar throughout the Lent Term and the first three weeks of the Summer Term (IR160). Students and teacher take it in turn briefly to introduce discussion on topics chosen according to a systematic programme. No "class paper" or other written work is involved in the seminar; but students may submit essays to their supervisors, by mutual agreement, on international organisation as on other subjects they are studying.

In addition to the seminar, M.Sc. students should, for a broader grounding in the elements of international

organisation and ideas underlying its variety of forms, attend the lectures in the series common to all (including undergraduate and Diploma students) taking an **International Institutions** course: IR108. The more narrowly selected seminar programme presupposes regular attendance at these lectures.

**Reading List:** As with LSE courses generally, private reading is most important, and the seminar work depends for maximum usefulness upon students reading themselves into a greater familiarity with the subject-matter. There is no one textbook spanning the whole syllabus. A LeRoy Bennett, *International Organizations: Principles and Issues* (3rd edn.), Prentice-Hall, 1984, probably comes nearest. Newcomers to international organisation studies should also make a point of reading Inis L. Claude, *Swords into Plowshares: The Problems and Progress of International Organization* (4th edn.), Random House, 1971; and David Armstrong, *The Rise of the International Organisation: A Short History*, Macmillan, 1982. Four of the most convenient introductions to the League and UN, in addition to Bennett, Armstrong, and Claude, are Ruth B. Henig (Ed.), *The League of Nations*, Oliver & Boyd, 1973; and George Scott, *The Rise and Fall of the League of Nations*, Hutchinson, 1973; Evan Luard, *The United Nations: How it Works and What it Does*, Macmillan, 1979; and H. G. Nicholas, *The United Nations as a Political Institution* (5th edn.), Oxford University Press, 1975. Other books particularly recommended are Clive Archer, *International Organizations*, Allen & Unwin, 1983; Leland M. Goodrich, *The United Nations in a Changing World*, Columbia University Press, 1974; Richard Hoggart, *An Idea and its Servants: UNESCO from Within*, Chatto & Windus, 1978; Harold K. Jacobson, *Networks of Interdependence: International Organizations and the Global Political System* (2nd edn.), Knopf, 1984; C. Wilfred Jenks, *The World Beyond the Charter*, Allen & Unwin, 1969; Evan Luard, *A History of the United Nations, Volume One*, Macmillan, 1982; William Rappard, *International Relations as Viewed from Geneva*, Yale University Press, 1925; Paul Taylor, *International Co-operation Today*, Paul Elek, 1971; Paul Taylor & A. J. R. Groom, *International Organization: A Conceptual Approach*, Frances Pinter, 1978; F. P. Walters, *A History of the League of Nations*, Oxford University Press, 1952; Sydney D. Bailey, *The Secretariat of the United Nations*, Pall Mall Press, 1964; Martin Hill, *The United Nations System*, Cambridge, 1978; Evan Luard, *International Agencies*, Macmillan, 1977; Roderick C. Ogley, *Internationalizing the Seabed*, Gower, 1984; Ralph Townley, *The United Nations: A View from Within*, Scribner, 1968; John F. Murphy, *The United Nations and the Control of International Violence: A Legal and Political Analysis*, Manchester University Press, 1983; General Indarjit Rikhye, *The Theory and Practice of Peacekeeping*, Hurst, 1984; G. R. Berridge & A. Jennings (Eds.), *Diplomacy at the UN*, Macmillan, 1974.

**Examination Arrangements:** International Institutions is examined, in common with the other options in the degree, by means of a three-hour "unseen" examination

taken in June. Candidates are required to answer any three questions from a choice of twelve. Copies of the examination papers set in recent years will be issued at the start of the course.

**Office Hour:** Mr. Sims is normally available to see students briefly without prior appointment during his regular "office hour" in A231 (extension 472). For longer meetings appointments may be made with his Secretary in A229.

IR4631

### The Politics of Western European Integration

See IR3771

IR4632

### The International Legal Order

See IR3750

IR4633

### International Law and Organisation in Latin America and the Caribbean

**Teacher Responsible:** Dr. F. Parkinson, Faculty of Laws, University College London (all enquiries to be addressed to Miss Hazel Leake, Institute of Latin American Studies, 31 Tavistock Square, London, WC1H 9HA).

**Course Intended Primarily for** M.Sc. in International Relations and M.Sc. in International Politics. Also for LL.M. and Diploma in Comparative and International Politics.

**Scope:** A critical examination of (a) the place of Latin America in the international legal order; (b) the law governing (i) inter-American, (ii) intra-Latin American and (iii) Caribbean international institutions in the political, military and economic fields; and (c) the impact of universal and semi-universal international institutions on Latin America.

**Syllabus:** International order in nineteenth century Latin America. The origin and solution of territorial disputes in the area and in the Antarctic. The status of adjacent waters. The genesis of the Western hemisphere idea. Latin America in world society: the two world wars and the "cold war". Characteristics of the foreign policies of the major Latin American powers. The concept of collective security in the League of Nations and the United Nations, and Latin America's place in it. Patterns of military co-operation during the Second World War and after: the genesis of the Rio Treaty and its incorporation in the Organization of American States. The Latin America nuclear-free zone. The Inter-American Economic and Social Council of the Organization of American States. The United Nations Economic Commissions for Latin America and the Caribbean. Latin American theories of economic imperialism. The Alliance for Progress. The Latin American Integration Association. The Central American Common Market. The Andean Group. The River Plate and Amazon River organizations. Latin America in the world trading system. The Inter-American Development Bank. The

position of individuals under international law; the status of foreigners and their property. The institution of diplomatic asylum. The Inter-American Commission of Human Rights. The status of *guerrilleros*.

**Pre-Requisites:** The course assumes an elementary knowledge of international relations. A reading knowledge of Spanish is an additional advantage, but not essential for an effective coverage of the course.

**Teaching Arrangements:** The course consists of approximately twenty-four seminars (IR173) spread over two-and-a-half Terms. A long-term programme of seminar topics will be agreed at the beginning of the course.

**Written Work:** While there is no legal obligation to submit essays, students are urged in their own interest (a) to write three essays per Session and (b) to prepare at least one discussion paper.

**Reading List:** An exposition of reading techniques appropriate to the course, as well as an indication of the location and nature of library resources will be provided at the beginning of the course. A comprehensive reading list will be made available at the first meeting of the seminar.

Students wishing to engage in some preliminary reading will be advised to consult the following: S. Clissold, *Latin America*, 1972; F. Parkinson, *Latin America, the Cold War and the World Powers, 1945-1973*, 1975; G. Schwarzenberger, *A Manual of International Law* (1977 edn.); G. Connell-Smith, *The Inter-American System*, 1966; A. Krieger Vasena and J. Pazos, *Latin America: A Broader World Role*, 1973. **Examination Arrangements:** Three hours formal examination in the Summer Term; twelve questions set in all; three questions to be attempted.

IR4639

### International Political Economy

**Teachers Responsible:** Professor S. Strange, Room A134, Professor P. Wiles, Room S477 and Professor M. Desai, Room S87 (Secretary, Hilary Parker, Room A139)

**Course Intended Primarily for** M.Sc. in Politics of the World Economy.

**Scope:** The evolution of international economic relations since the Industrial Revolution.

**Syllabus:** The purpose of this core course for the M.Sc. (Econ.) degree in the Politics of the World Economy is to give students with a first-degree background knowledge in politics, economics, economic history, international relations or international history a general introduction to the main theories relevant to an understanding of the international political economy and to the evidence for and against them.

It is therefore built around three basic questions concerning the international political economy – how and why the world economy became so much more productive; how and why this new wealth came to be so unevenly distributed; and how and why the political organisation of the world into territorial states came to shape and determine the basic structures or patterns of the world economy – to wit, of production, credit, transport and knowledge – and thus to influence

outcomes and even the distribution of basic values in world society.

It is not a course in elementary international economics, nor in the politics of international economic thought nor in the history of the world economy, although students will be expected during their course to acquire, if they do not already have, some knowledge of all these. Rather it attempts to familiarise students with the basic concepts that help them to unite theory and history. Similarly, the aim is to teach students *how* to think about international political economy, not *what* to think; and to teach them how to analyse issues of international public policy, not to tell them what policy should be. The accompanying seminar will start by discussing the issues raised in the lectures, revising some of the elementary concepts of international politics and economics. It will later consider in detail, on the basis of student papers, specific problems.

**Pre-Requisites:** None.

**Teaching Arrangements:** There is a lecture course (IR176) on **International Political Economy** given by Professor Wiles and an **International Political Economy Seminar** (IR177) given jointly by Professor Strange and Professor Wiles.

**Reading List:** It is advisable to absorb the less technically economic parts of the course before the lectures begin. Only such sources are quoted below. A more complete source-list is circulated at the beginning of the lectures. A small amount of technical economics is required, and taught as part of the course.

Eli F. Heckscher, *Mercantilism*; Louis Baudin, *Free Trade and Peace*; J. Baechler, *The Origins of Capitalism*; F. Braudel, *Aftherthoughts on Material Civilization and Capitalism*; Edmund Silberner, *The Problem of War in the 19th Century Economic Thought*; A. G. Kenwood and K. Loughheed, *The Growth of the International Economy, 1820-1960*; A. Milward and Saul, *Economic History of Europe*; Eugene Staley, *War and the Private Investor*; P. J. Wiles, *Communist International Economics*, Chs. 16, 17, 18; Idem, *Economic Institutions Compared*, Chs. 18, 19; D. Booth (Ed.), *et al.*, *Beyond the Sociology of Development*; G. Palma in *World Development*, Vol. 6, 1978; "T. dos Santos" in *American Economic Review*, May 1970; Smith, Ricardo, List, Keynes in Robert L. Heilbroner, *The Worldly Philosophers*, 1955 edn., Chs. 3, 4, 9 (and 6, if hitherto you have read nothing on Marx).

**Examination Arrangements:** Students will be required to sit a three-hour examination on the full syllabus of the **International Political Economy** course. Students will be asked to answer three out of twelve questions.

IR4640

### The Politics of International Economic Relations

**Teachers Responsible:** Mr. M. D. Donelan, Room A135 and Mr. J. B. L. Mayall, Room A234 (Secretaries, Anna Morgan, A138 and Elizabeth Leslie, respectively, A229)

**Course Intended Primarily for** M.Sc. International Relations.

**Syllabus:** The syllabus for the course is:

(i) The economic factor in foreign policy. The economic ambitions of states. Economic causes of war. Peace-making and peace-keeping. Economic resources for foreign policy. Economic instruments.

(ii) The development of thought about the relationship between international politics and the international economy. Mercantilism, Laissez-faire and economic internationalism. The evolution of the Bretton Woods institutions and ideas about international commercial and monetary management. The challenge from the Third World.

**Teaching Arrangements and Written Work:** (Lectures IR124 and IR137 and Seminars IR166). Students deliver seminar papers and write essays for the seminar teachers or their supervisors on topics notified at the beginning of the Session.

**Reading List:** The basic books are: J. Spero, *The Politics of International Economic Relations*; D. K. Fieldhouse, *The Theory of Capitalist Imperialism*; W. Barber, *A History of Economic Thought*.

A detailed reading list is distributed at the beginning of the Session.

**Examination Arrangements:** Summer Term, formal, three hours, three questions chosen from twelve. Past examination papers may be seen in the Teaching Library.

IR4641

### International Business in the International System

**Teacher Responsible:** Professor Susan Strange, Room A134 (Secretary, Hilary Parker, A139)

**Course Intended Primarily for** M.Sc. International Relations; M.Sc. Politics of the World Economy and other interested students by permission.

**Scope:** The course aims at a broad introduction to the subject and the literature.

**Syllabus:** The nature of international business. Who are the "multinationals"? Theoretical conflicts – explanations, hopes and fears. Policy problems for the state. International business and economic development. International organisation and the control of large corporations.

**Pre-Requisites:** None.

**Teaching Arrangements:** Five lectures (IR124) will be given in the Michaelmas Term to which any interested students are welcome. The lecture course IR137 is also relevant. A seminar (IR168) for students taking the examination will begin with guest speakers in the Michaelmas Term and continue with student contributions in the Lent Term.

**Reading List:** R. Gilpin, *United States Power and the Multinational Corporation*, 1976; P. Buckley & M. Casson, *The Future of the Multinational Enterprise*, 1975; S. Lall & P. Streeten, *Foreign Investment, Transnationals and Developing Countries*, 1977; R. Vernon, *Storm over the Multinationals*, 1977; R. Barnet & R. Muller, *Global Reach: the power of the multinational corporations*, 1974; G. Curzon & V. Curzon (Eds.), *Multinational Companies in a Hostile World*, 1977; United Nations, *Transnational Corporations in World Development: a re-examination*, 1978; N. Hood & S. Young, *The*

*Economics of the Multinational Enterprise*, 1979; S. Lall, *The Multinational Corporation*, 1980.

**Examination Arrangements:** There is a three-hour formal examination in the Summer Term based on the lecture course and topics covered in the seminars, and requiring some familiarity with the extensive literature. The paper will contain about twelve questions, of which three are to be answered. It is important to answer all three. Copies of previous years' papers are available.

## IR4642

### Politics of Money in the World Economy

**Teacher Responsible:** Professor Susan Strange, Room A134 (Secretary, Hilary Parker, A139)

**Course Intended Primarily for** M.Sc. International Relations; M.Sc. Politics of World Economy and other graduates by permission.

**Scope:** This course is designed as an adjunct to the study of an international system in which the management and mismanagement of money are matters of increasing consequence, both for international political relations and for domestic politics. It may also be of particular help to students specialising in the politics of international economic relations, whether graduate or undergraduate.

**Syllabus:** It will deal with basic concepts regarding the use, creation and management of money in society; and second, with the central issues of monetary management in the world economy: the use of national and international reserve assets; the rules of exchange rate adjustment; the operations of banks and other institutions in international money and capital markets, and the choices of monetary policy open to developed and developing countries.

**Pre-Requisites:** The course does not assume any knowledge of monetary economics but some familiarity with political and economic history of the twentieth century especially will be helpful.

**Teaching Arrangements:** One lecture course (IR125) and one seminar course (IR167). Lectures begin in the Michaelmas Term and continue in the Lent Term. One seminar with guest speakers is held in the Lent Term. Another with student contributions is also held in the Lent Term.

**Reading List:** No one book covers the entire syllabus, but the following general works will provide a useful introduction: W. M. Clarke, *Inside the City*; B. Cohen, *Organising the World's Money*; R. Aliber, *The International Money Game*; S. Mendelsohn, *Money on the Move*; C. Coombs, *The Arena of International Finance*; R. Solomon, *The International Monetary System*; S. Strange, *International Monetary Relations*; J. Galbraith, *Money - whence it came and where it went*; B. Tew, *The Evolution of the International Monetary System*; E. Versluysen, *The Political Economy of International Finance*; G. Meier, *Problems of a World Monetary Order*.

**Examination Arrangements:** There is a three-hour formal examination in the Summer Term based on the lecture course and work covered in the seminars. The paper contains about twelve questions, of which three are to be answered.

## IR4643

### Politics of International Trade

**Teacher Responsible:** James Mayall, Room A234 (Secretary, Elizabeth Leslie, A229)

**Course Intended Primarily for** M.Sc. in the Politics of the World Economy.

**Scope:** An examination of the major political issues and controversies in international trade.

**Syllabus:** The evolution of foreign trade policy in theory and practice. The course deals with the historical development of three major general approaches to commercial policy, mercantilism, economic liberalism and economic nationalism and with the political assumptions on which they are based. It then considers the general structure of commercial relations among industrial countries, between market and centrally planned economies and between industrial and 'developing' countries. Finally, the course examines a number of specific trade problems in contemporary international relations, e.g. economic warfare and international trade policy; GATT negotiations on tariff and non-tariff barriers; voluntary export restraint agreements; the theory and practice of international commodity agreements and the problem of reciprocity and most-favoured nation status in East-West trade.

**Teaching Arrangements:** Lectures on the politics of international economic relations (IR137). In addition there will be a seminar (IR175) in the Michaelmas and Lent terms with both guest speakers and student presentations.

**Reading List:** No one book covers the syllabus but the following will provide a useful introduction. G. Myrdal, *The Political Element in the Development of Economic Theory*; Eli Heckscher, *Mercantilism*; Michael Heilperin, *Studies in Economic Nationalism*; Otto Hieronymi (Ed.), *The New Economic Nationalism*; L. N. Rangarajan, *Commodity Conflict*; G. Curzon, *International Commercial Diplomacy*, S. Pizar, *Coexistence and Commerce*.

A detailed reading list will be distributed at the beginning of the session.

**Examination Arrangements:** Summer Term formal three-hour examination, three questions to be chosen from twelve.

## IR4644

### International Political Economy of Natural Resources

**Teachers Responsible:** Dr. J. A. Rees, Room S506A and Professor P. Odell (Secretary: Miss N. Herbert, Room S508)

**Course Intended Primarily for** students taking the M.Sc. in the Politics of the World Economy. Other suitably qualified and interested graduate students may take or audit the course with the permission of the teacher responsible.

**Scope:** Analysis of the key issues involved in the management of natural resources. The exploitation, processing, marketing and pricing of natural resources including oil; and the assessment of decision-making and policy formulation at the national and international levels.

**Syllabus:** The course has three major components: (a) General concepts in resource management, including such issues as the nature of resources; problems of common property resources; scarcity problems, causes and nature of declining environmental quality, and environmental perception. (b) Management of productive resources in the public and private sectors, including investment appraisal and impact analysis, administrative needs and policy formulation. (c) In view of the importance of energy supply for the economic security of states, and in the relations between states whether producers or consumers, the course will consider the changes in the international market for oil, coal, gas and uranium in the post-war period, giving special attention to the role of the oil companies and of OPEC.

**Pre-Requisites:** None. A knowledge of elementary economic and political theory and of recent world history would be an advantage but not essential.

**Teaching Arrangements:** Students will follow the lectures and seminars given in **Resource Management and Environmental Planning** (Gy2822) in weeks 1-6 in the Michaelmas Term and will be given three lecture/seminars on the energy component in the Michaelmas and Lent Terms. Students may also attend 10 seminars/classes (Gy412).

**Reading List:** As for Gy2822 and for the energy component of this course the following basic reading material will be found helpful: J. M. Blair, *The Control of Oil*, Macmillan, London, 1976; T. Hoffman and B. Johnson, *The World Energy Triangle*, Ballinger, Cambridge (Mass.), 1981; P. R. Odell, *Oil and World Power*, Penguin, Harmondsworth, 7th Edition, 1983; P. R. Odell and L. Vallenilla, *The Pressures of Oil: a Strategy for Economic Revival*, Harper and Row, London, 1978; D. Park, *Oil and Gas in Comecon Countries*, Kogan Page, London, 1979; J. Davis, *Blue Gold*.

**Examination Arrangements:** One three-hour unseen examination held in June, accounting for 70% of marks. Coursework 30% of marks.

## IR4645

### Revolutions and the International System

**Teacher Responsible:** Professor Fred Halliday, A136 (Secretary, Hilary Parker, A139)

**Course Intended Primarily for** M.Sc. International Relations

**Scope:** An examination of the relationship between social and political revolutions and the dynamics of the inter-state system.

**Syllabus:** Theories and definitions of revolution in social science; conceptualisations of revolutions and the reactions of the international system (realist, pluralist, historical materialist); the contribution of international and transnational factors to revolution (socio-economic transformation, colonialism, war, nationalism); the foreign policy programmes of revolutionary states, their impact on the international system, and the response of status quo powers; case studies of France, Russia and China, and of certain contemporary examples, e.g. Iran and Nicaragua; the

place of revolutions and the 'order-maintaining' response to them in the study of international relations.

**Teaching Arrangements:** Ten lectures (IR178) and ten seminars in the Lent Term. Students will deliver seminar papers and present essays on topics arranged at the beginning of the Lent Term.

**Reading List:** Theda Skocpol, *States and Social Revolution*; Eric Hobsbawm, *The Age of Revolution*; Henry Kissinger, *A World Restored*; E. H. Carr, *The Bolshevik Revolution*, Vol. 3; Franz Borkenau, *World Communism*; Walter LaFeber, *Inevitable Revolutions*; Chalmers Johnson, *Peasant Nationalism and Communist Powers*.

**Examination:** A three-hour examination in the Summer Term. Students have to answer three out of twelve questions.

## IR4650

### Strategic Studies

See **Strategic Aspects of International Relations** IR3754

## IR4660

## IR4750

### International Politics: The Western Powers

#### International Politics: Western Europe

**Teachers Responsible:** Western Powers: Mr. Philip Windsor, Room A120 (Secretary, Anna Morgan, A229) and Dr. Hugh Macdonald, Room A236 (Secretary, Elizabeth Leslie, A229); Western Europe: Dr. Hugh Macdonald

**Course Intended Primarily for** M.Sc. International Relations (Papers 2 and 3(g)) and M.Sc. European Studies (Paper 3 (d))

**Scope:** The aim of the course is to study the political relations between the major states of Western Europe, the United States and Canada, and between them and the rest of the world. Attention is also given to Western-oriented countries outside the North Atlantic area, such as Australia and New Zealand, and to such Westernised states as Japan.

**Syllabus: Western Powers:**

The focus of this series of seminars is the development and contemporary structure of a 'Western' system of international relations, which aspires to be identified with a global system but faces many challenges and uncertainties, within its own framework, in East-West terms, as well as in terms of incorporating culturally heterodox new members into established patterns of 'order'. Subjects for seminar discussions include: the common characteristics of 'western' societies; differences among Western powers and cultures; ideas of 'power', 'order' and 'interests'; mercantilism and imperialism; the transformation of national states; the political management of international economic issues; the Cold War, problems of Soviet power and West-West divisions about East-West relations; the West and problems of development; the future prospects for 'Western' societies.

**Western Europe:**

International relations in Europe have been dominated in recent decades by an East-West divide which has



**IR4700****World Politics (Seminar)**

**Teachers Responsible:** Professor Fred Halliday, A136 and Mr. Michael Banks, Room A138 (Secretary, Hilary Parker, A139)

**Course Intended Primarily for** Diploma in International and Comparative Politics.

**Scope:** The aim of the course is to give students a broad understanding of issues and theories in world politics.

**Syllabus:**

(1) The nature of world politics. Theories of international relations. Elements of the world system. The main actors in world politics. The ends and means of foreign policy as conducted by states in international relations; intervention, alliances, economic integration and interdependence, neutrality, isolation and non-alignment.

(2) War and search for peace; the nature of conflicts in the international system; local wars and proxy wars; peace and conflict resolution; disarmament and arms control.

(3) Poverty and the search for wealth and justice; rich nations and poor nations, and financing of world development; industry and commodity trade; energy, technology and resources. Some major global issues – population, pollution, conservation, nuclear catastrophe.

**Pre-Requisites:** Students admitted to the Diploma in International and Comparative Politics are expected to have a Second Class degree not necessarily in International Relations, from a reputable university, or equivalent professional qualifications or experience. No previous knowledge of world politics except general interest in current affairs is expected.

**Teaching Arrangements:** Two lecture courses on International Politics are available, and students with little or no background in international relations studies

are recommended to attend either or both. Professor Halliday and Mr. Banks give a 20 lecture series for B.Sc. students (IR102) and Mr. Donelan a 10 lecture series for M.Sc. students (IR151). Those interested in more advanced discussion of International Relations theory should attend Mr. Banks, Concepts and Methods lectures. The main teaching for the World Politics course will be done in small seminar groups, taken by three responsible teachers beginning in the Michaelmas Term and continuing throughout the Session.

**Reading List:** K. Holst, *International Politics*; J. D. B. Miller, *The World of States*; J. Burton, *World Society*; P. Calvocoressi, *World Politics Since 1945*; H. Bull, *The Anarchical Society*; D. Blake & R. Walters, *Politics of the International Economy*; J. Spero, *Politics of International Economic Relations* (2nd edn.).

**Examination Arrangements:** Students are required to write six essays at roughly three-week intervals throughout the session. Marks for these will account for 20% of the final result. The remainder will be for a three-hour examination in the Summer Term based on the full syllabus for the World Politics course. Students will be asked to answer three out of 12 questions.

**IR4750****International Politics: Western Europe**

See International Politics: The Western Powers IR4660

**IR4751****The Politics of Western European Integration (Postgraduate Seminar)**

See European Institutions IR3771

**LANGUAGES**

This section is in two parts. The first part lists the lectures and seminars given by the department. The list provides a cross reference to the Study Guide(s) in which the syllabus and the reading list associated with the lecture or seminar can be found. The second part contains the Study Guides, presented in Study Guide number sequence.

**Lectures and Seminars**

Lecture/ Seminar Number			Study Guide Number
Ln100	<b>Introduction to Linguistics</b> Miss J. M. Aitchison	25/MLS	Ln3810
Ln101	<b>Language and Mind</b> Miss J. M. Aitchison	20/ML	Ln3831
Ln102	<b>Language and Society</b> Miss J. M. Aitchison	5/LS	Ln3831
Ln103	<b>Language, Mind and Society — Intercollegiate Seminar</b> Miss J. M. Aitchison	MLS	
Ln104	<b>Language Change</b> Miss J. M. Aitchison	MLS	
Ln212	<b>French Contemporary Texts</b> Dr. K. E. M. George	25/MLS	Ln3800
Ln305	<b>Selected 19th and 20th Century Spanish Authors</b> Mr. A. L. Gooch	25/MLS	
Ln306	<b>The Spanish Language in the 20th Century</b> Mr. A. L. Gooch	25/MLS	
Ln600	<b>English as a Foreign Language</b> Professor R. Chapman	20/ML	
Ln601	<b>English Speech</b> Professor R. Chapman	5/M	
Ln602	<b>Written English</b> Professor R. Chapman	6/L	
Ln603	<b>Literature and Society in Britain: 1830-1900</b> (Not available 1985-86) Professor R. Chapman	25/MLS	Ln3840
	<b>1900 to the Present Day</b> Professor R. Chapman	25/MLS	Ln3841

## Study Guides

## Extra-curricular Language Courses

## German Language (Beginners)

**Teacher Responsible:** Mrs. B. E. Hay, Room C614  
**Course Intended Primarily for** graduate students.  
**Scope:** A basic practical course primarily for reading purposes.  
**Teaching Arrangements:** Sessional classes. This course includes Language Laboratory work.

## German Language (Intermediate)

**Teacher Responsible:** Mrs. B. E. Hay, Room C614  
**Course Intended Primarily for** graduate students.  
**Scope:** A continuation of German Language (Beginners) above. Study and translation of modern German texts.  
**Teaching Arrangements:** Sessional classes. This course includes Language Laboratory work.

## Spanish Language

**Teacher Responsible:** Mr. Anthony Gooch, Room C514  
**Course Intended Primarily for** those intending to carry out research in the Hispanic sphere.  
**Scope:** This is an *ab initio* course. When a sufficient number of students express an interest, an intermediate course is also available.  
**Teaching Arrangements:** Sessional classes beginning in October.  
**Book:** H. Ramsden, Jackson and Rubio, *Spanish Made Simple*, Heinemann.

## French Language (Beginners)

**Course Intended Primarily for** graduate students.  
**Scope:** A basic course designed particularly for reading purposes.  
**Teaching Arrangements:** Sessional classes.

## French Language (Intermediate)

**Course Intended Primarily for** graduate students.  
**Scope:** A continuation of French Language (Beginners) above. Study of modern French texts.  
**Teaching Arrangements:** Sessional classes.

Ln513

## Russian Language (Beginners) (Classes)

**Teachers Responsible:** Dr. B. S. Johnson, Room C515 (Secretary, M. Tappas, C619) and Mrs. Chambers, Room C516  
**Course Intended Primarily for** M.Sc. in Government and other graduate students but others, undergraduates, General Course students welcome. Also for B.Sc. (Econ.) Part I Russian beginners.  
**Scope:** A basic practical course of Russian grammar and syntax for reading purposes.  
**Teaching Arrangements:** Classes (Ln513), Sessional. This course includes Language Laboratory work.  
**Course book:** *Penguin Russian Course*.

## Russian Language (Intermediate) (Classes) Ln514

**Teachers Responsible:** Dr. B. S. Johnson, Room C515 (Secretary, M. Tappas, C619) and Mrs. Chambers, Room C516  
**Course Intended Primarily for** M.Sc. in Government and other graduate students but others welcome.  
**Scope:** A continuation of Ln513 above. Study and translation of selected nineteenth and twentieth century texts.  
**Teaching Arrangements:** Classes (Ln514), Sessional. This course includes Language Laboratory work.

Ln601

## English Speech

**Teacher Responsible:** Professor R. Chapman, Room C620 (Secretary, M. Tappas, C619)  
**Course Intended Primarily for** students whose native language is not English, though this course may be of value to the other students.  
**Syllabus:** Speech-mechanism. The basic sounds of English speech. Accent, stress and intonation. Elision and weak forms. Dialect. Modern tendencies.  
**Recommended Reading:** N. C. Scott, *English Conversations*; P. A. D. MacCarthy, *English Pronunciation*; I. C. Ward, *The Phonetics of English*; A. C. Gimson, *An Introduction to the Pronunciation of English*; J. W. Lewis, *A Concise Pronouncing Dictionary of British and American English*.  
**Teaching Arrangements:** Five lectures (Ln601), Michaelmas Term.

Ln602

## Written English

**Teacher Responsible:** Professor R. Chapman, Room C620 (Secretary, M. Tappas, C619)  
**Course Intended Primarily for:** open to all students.  
**Syllabus:** The basic structure of English. Choice of words. Meaning and association. Sentence-formation. Levels of communication. Punctuation. Preparation and presentation of material.  
**Recommended Reading:** R. Chapman, *A Short Way to Better English*; Ernest Gowers, *Plain Words*; H. W. Fowler, *The King's English*; A. Quiller-Couch, *The Art of Writing*; R. Quirk, *The Use of English*; G. H. Vallins, *Good English*.  
**Teaching Arrangements:** Six lectures (Ln602) Lent Term.

Ln3800

## French Part I B.Sc. (Econ.)

**Teacher Responsible:** Dr. K. George, Room C622 (Secretary, M. Tappas, C619)  
**Course Intended Primarily for** B.Sc. (Econ.) Part I.  
**Scope:** Study of a range of French texts drawn from the social sciences.  
**Syllabus:** Translation into English; Essay in French; Oral practice in French.  
**Pre-Requisites:** A good A-level pass in French, or its equivalent, will normally be required.

**Teaching Arrangements:** Weekly language class (Ln212) (Sessional), supplemented by native oral tuition as available.

**Written Work:** Weekly language exercises.

**Reading List:** The course book will be: *Le français en faculté* (Hodder & Stoughton).

**Examination Arrangements:** One three hour written examination, which will test the ability to translate from French to English and to write an essay in French, plus a 20 minute oral examination in French.

Ln3801

## German Part I

**Teacher Responsible:** Mrs. B. E. Hay, Room C614 (Secretary, M. Tappas, C619)  
**Course Intended Primarily for** B.A./B.Sc. c.u.; B.Sc. (Econ.) Part I.  
**Scope:** The aim of the course is to consolidate the student's command of written and spoken German post-'A' level.  
**Syllabus:** Translation of modern texts. Discussion and essay work based on newspaper articles, short stories, recorded material etc.  
**Pre-Requisites:** 'A' level German, or a good 'O' level, subject to the tutor's approval.  
**Teaching Arrangements:** Two hours of class work (Ln400; Ln403) per week plus regular listening practice in the Language Lab.  
**Written Work:** Weekly translations, occasional grammar exercises. Five essays.  
**Reading List:** There are no 'set books'. For purposes of discussion, students are encouraged to use the stock of modern German books in the Teaching Library as well as to invest in some cheap paperback editions. The Language Laboratory provides German newspapers, periodicals, dictionaries and other reference books.  
**Examination Arrangements:** A three-hour paper: 1) translation into German, 2) translation into English, 3) a general essay. Also a 15 minute oral examination of a general, conversational nature.

Ln3802

## Russian Part I B.Sc. (Econ.)

**Teacher Responsible:** Dr. B. S. Johnson, Room C515 (Secretary, M. Tappas, C619)  
**Course Intended Primarily for** students of B.Sc. (Econ.) Part I with specific interests in USSR and/or Eastern Europe.  
**Scope:** Practical study of Russian language.  
**Syllabus:** Extension of students' knowledge of Russian and Russian, translation from English into Russian and from Russian into English and oral practice in Russian.  
**Pre-Requisites:** Normally an A-level pass in Russian or its equivalent. Applicants with O-level or less may be accepted but more intensive preparation will be required.  
**Teaching Arrangements:** Twice-weekly language class (Ln509) (Sessional). Weekly oral practice (Ln505).  
**Written Work:** Weekly language exercises, preparation and practice.  
**Reading List:** Borrás & Christian, *Russian Syntax*, 2nd edn., Oxford University Press; I. Pulkina, *A Shorter Russian Reference Grammar*.

**Examination Arrangements:** One three hour written examination comprising translation passages English-Russian and Russian-English, plus an oral examination in Russian.

Ln3803

## Spanish Part I B.Sc. (Econ.)

**Teacher Responsible:** Mr. Anthony Gooch, Room C514 (Secretary, C613)  
**Course Intended Primarily for** Students of Government, International Relations, International History, Economics, Sociology and Anthropology who have a strong, specific interest in Spain or any Spanish-speaking country or countries.  
**Scope:** The aim of the course is to expand and deepen the student's knowledge of modern Spanish and Spanish affairs.  
**Syllabus:** The student will be presented with a wide variety of texts in Spanish and English for discussion, linguistic commentary and translation. The stress will be on material of a political and sociological nature. Specific works will be prescribed for detailed study of both content and language, and the student will be expected to read extensively as an integral part of the course.  
 It is essential for the student to have as basic tools a good bilingual dictionary such as those published by Larousse, Collins and Cassell and a substantial reference grammar such as Harmer & Norton's *A Manual of Modern Spanish* or Ramsey & Spaulding's *A Textbook of Modern Spanish*. In addition, the series *Problemas básicos del español*, published by Ediciones Aravaca, is strongly recommended.  
**Pre-Requisites:** Admission to the course will normally be granted only to applicants with a good A-level qualification. However, in exceptional circumstances, others will be considered.  
**Teaching Arrangements and Written Work:** Two classes (Ln301; Ln302) per week throughout the three terms, together with tutorials for the discussion of written work arranged in accordance with individual requirements. Normally one translation or other piece of written work will be set each week to be handed in the week following.  
**Reading List:** The following works are recommended: R. Carr, *Spain 1808-1939*; R. Carr, *Modern Spain 1875-1980*; D. L. Shaw & G. Brown, *A Literary History of Spain - 19th and 20th Centuries*; P. Baroja, *Memorias de un hombre de acción*; A. Buero Vallejo, *Un soñador para un pueblo*; *Las meninas*; *El sueño de la razón*; S. de Madariaga, *Ingleses, franceses, españoles*; J. L. Martín Vigil, *Carta a un adolescente*; J. Ortega y Gasset, *España invertebrada*; *Meditaciones del Quijote*; *Meditación de Europa*; E. Pardo Bazan, *Los Pazos de Ulloa*; B. Pérez Galdós, *Episodios nacionales*; R. Sánchez Ferlosio, *El Jarama*; F. Umbral, *España cañí*; M. de Unamuno, *Andanzas y visiones españolas*; *En torno al casticismo*.  
 The student is strongly advised to read regularly a newspaper such as *El País* and/or a magazine such as *Cambio 16*.  
**Examination Arrangements:** There is a three-hour formal examination in the Summer Term which will







**LAW**

This section is in two parts. The first part lists the lectures and seminars given by the department. The list provides a cross reference to the Study Guide(s) in which the syllabus and the reading list associated with the lecture or seminar can be found. The second part contains the Study Guides, presented in Study Guide number sequence.

**Lectures and Seminars**

Lecture/ Seminar Number		Study Guide Number
LL100	<b>Public Law: Elements of Government</b> Dr. C. R. Harlow, Professor J. A. G. Griffith, Mr. R. W. Rawlings, Mr. M. Loughlin and Mr. J. M. Jacob	29/ML LL5003
LL101	<b>Law of Contract</b> Mr. I. G. Karsten, Mr. P. Muchlinski, Mr. W. D. Bishop and Mrs. R. G. Schuz	42/MLS LL5001
LL102	<b>Law of Property I</b> Mr. W. T. Murphy, Dr. S. A. Roberts and Mr. D. C. Bradley	44/MLS LL5002
LL103	<b>The Law-Making Process</b> Professor M. Zander	10/M LL5500; LL5020; SA6772
LL104	<b>Law and the Social Sciences</b> Dr. S. A. Roberts, Mr. W. T. Murphy and Mr. D. N. Schiff	10/M LL5500
LL105	<b>Courts and Litigation</b> Professor M. Zander	26/LS LL5000; SA6772
LL106	<b>Law of Tort</b> Mr. I. G. F. Karsten, Mr. D. C. Bradley, Mr. W. D. Bishop and Dr. C. R. Harlow	45/MLS LL5041
LL107	<b>Criminal Law</b> Professor L. H. Leigh, Professor J. E. Hall Williams and Ms. J. Temkin	23/MLS LL5040
LL108	<b>Jurisprudence</b> Mr. D. N. Schiff, Mr. W. D. Bishop and Mr. R. L. Nobles	42/MLS LL5100
LL110	<b>Law of Property II</b> Mr. W. T. Murphy and Mr. R. L. Nobles	45/MLS LL5105
LL111	<b>Law of Evidence</b> Professor J. E. Hall Williams	20/ML LL5113
LL112	<b>Public International Law</b> Professor R. Higgins, Dr. Shaw and Dr. P. W. Birnie	42/ML LL5131
LL113	<b>Conflict of Laws</b> Mr. T. C. Hartley, Mr. I. G. F. Karsten and Mrs. R. G. Schuz	45/MLS LL5114

Lecture/ Seminar Number		Study Guide Number
LL114	<b>Mercantile Law</b> Mr. A. G. L. Nicol	40/ML LL5110
LL115	<b>Labour Law</b> Professor Lord Wedderburn and Mr. R. C. Simpson	40/ML LL5112
LL116	<b>Domestic Relations</b> Mr. D. C. Bradley, Mr. R. W. Rawlings and Dr. S. A. Roberts	40/ML LL5118
LL117	<b>Law of Business Associations</b> Mrs. J. A. Freedman and Dr. D. A. Chaikin	35/ML LL5111
LL118	<b>Local Government Law</b> Mr. M. Loughlin, Mr. R. W. Rawlings and Professor J. A. G. Griffith	6/M LL5117
LL119	<b>International Protection of Human Rights</b> Professor R. Higgins	/MLS LL5132
LL120	<b>Basic Principles of Soviet and Yugoslav Legal Systems</b> Professor I. Lapenna	25/MLS LL5134
LL121	<b>Legislation – Seminar</b> Mr. J. M. Jacob	10/M LL5116
LL122	<b>Introduction to the Anthropology of Law</b> Dr. S. A. Roberts	25/MLS LL5138
LL123	<b>Introduction to European Law</b> Mr. T. C. Hartley and Dr. N. March-Hunnings	45/MLS LL5133
LL124	<b>Legal and Social Change since 1750 – Seminar</b> (Not available 1985-86) Professor W. R. Cornish	25/MLS LL5137
LL125	<b>Housing Law</b> Mr. R. L. Nobles	5/L LL5119
LL126	<b>Administrative Law</b> Dr. C. R. Harlow and Mr. R. W. Rawlings	25/MLS LL5115
LL127	<b>Economic Analysis of Law</b> Mr. W. D. Bishop, Dr. B. Hindley, Mr. J. R. Gould and Mr. K. Klappholz	22/ML LL5136
LL128	<b>Women and Law – Seminar</b> Ms. J. Temkin, Mr. A. G. L. Nicol and Mr. W. T. Murphy	22/MLS LL5135
LL129	<b>The Law Relating to Civil Liberties in England and Wales</b> Professor L. H. Leigh, Mr. A. G. L. Nicol and Mr. D. N. Schiff	20/ML LL5130

Lecture/ Seminar Number		Study Guide Number
LL139	<b>Land Development and Planning Law</b> Mr. M. Loughlin	20/ML LL5140
LL140	<b>Sentencing and Treatment of Offenders</b> Professor J. E. Hall Williams	10/M LL5171
LL141	<b>Outlines of Modern Criminology</b> Professor J. E. Hall Williams and Ms. J. Temkin	10/L LL5170
LL142	<b>Health Care and the Law</b> Mr. J. M. Jacob and others	10/L LL5175
LL143	<b>Legal Services to the Community</b> Professor M. Zander	10/M LL5176
LL144	<b>Social Security Law I</b> Dr. J. Fulbrook	10/M LL5172
LL145	<b>Social Security Law II</b> Dr. J. Fulbrook	10/L LL5173
LL146	<b>Law of Landlord and Tenant</b> Mr. R. L. Nobles	10/M LL5174
LL147	<b>Race, Nationality and the Law</b> Mr. A. G. L. Nicol	10/M LL5177
LL148	<b>Sociological Theory and the Idea of Law – Seminar</b> Mr D. N. Schiff	10/M LL5179
LL149	<b>Public Law and Economic Policy</b> (Not available 1985-86)	10/L LL5178
LL160	<b>Courts and the Trial Process</b> Professor M. Zander	14/LS LL5020
LL161	<b>Commercial Law</b> Dr. D. A. Chaikin, Mrs. J. A. Freedman and Mrs. R. G. Schuz	40/ML LL5060
LL162	<b>Elements of Labour Law</b> Mr. R. C. Simpson	20/ML LL5062; LL6112
LL163	<b>Elements of Labour Law Class</b> (for Trade Union Studies course) Mr. R. C. Simpson and Dr. J. Fulbrook	25/MLS
LL164	<b>Soviet Law</b> Professor I. Lapenna	10/L
LL180	<b>Introduction to Justice Technique – Seminar</b> Mr. A. G. L. Nicol	10/M
LL181	<b>Obligations I – Seminar</b> Mr. R. L. Nobles	10/M

Lecture/ Seminar Number		Study Guide Number
LL182	<b>Obligations II – Seminar</b> (Not available 1985-86) Mr. R. W. Rawlings	15/LS
LL183	<b>Constitutional Theory – Seminar</b> Mr. R. W. Rawlings	10/M
LL184	<b>Introduction to the British Constitution Seminar</b> (Not available 1985-86)	15/LS
LL185	<b>Sociology of Law Class</b> Mr. W. T. Murphy	10/M
LL200	<b>Comparative Constitutional Law I</b> Professor L. H. Leigh and Mr. Creighton	30/MLS LL6150
LL201	<b>Comparative Constitutional Law II</b> (no longer taught at LSE) Professor Read and Dr. Slinn	45/MLS
LL202	<b>French Administrative Law: a Comparative Study</b> (Not available 1985-86) Dr. C. R. Harlow	20/LS
LL203	<b>Company Law</b> Professor Lord Wedderburn	28/MLS LL6076
LL204	<b>The Law of Personal Taxation</b> Mrs. R. G. Schuz	30/MLS LL6101
LL205	<b>The Law of Business Taxation</b> Mrs. J. A. Freedman	33/MLS LL6100
LL206	<b>The Law of Restitution</b> (Not available 1985-86) Professor W. R. Cornish and Mr. B. R. Green	30/MLS LL6085
LL207	<b>Monopoly, Competition and the Law</b> (Not available 1985-86) Mr. W. D. Bishop and Dr. Korah	30/MLS LL6032
LL208	<b>E.E.C. Competition Law</b> Mr. W. D. Bishop and Dr. Korah	30/MLS LL6031
LL209	<b>The Principles of Civil Litigation</b> Sir Jack Jacob and Professor M. Zander	35/MLS LL6010
LL210	<b>Comparative Criminal Law and Procedure</b> Professor L. H. Leigh	30/MLS LL6120
LL211	<b>Soviet, East European and Mongolian Law</b> Professor I. Lapenna and Professor Butler	30/MLS LL6176
LL212	<b>Comparative Family Law</b> Ms. J. Temkin, Professor I. Lapenna and Mr. D. C. Bradley	28/MLS LL6018

Lecture/ Seminar Number			Study Guide Number
LL213	<b>Law of International Institutions</b> Professor R. Higgins and Dr. P. W. Birnie	28/MLS	LL6048
LL214	<b>Law of European Institutions</b> Mr. T. C. Hartley, Professor Butler and Dr. N. March-Hunnings	23/MLS	LL6049
LL215	<b>European Community Law</b> Mr. T. C. Hartley	15/LS	LL6015
LL216	<b>International Law of the Sea</b> Dr. P. W. Birnie	30/MLS	LL6060
LL217	<b>The International Law of Natural Resources</b> Professor R. Higgins	28/MLS	LL6057
LL218	<b>International Economic Law</b> Dr. D. A. Chaikin	30/MLS	LL6054
LL219	<b>International Business Transactions</b> Mr. T. C. Hartley, Mr. I. G. F. Karsten and Professor F. G. Jacobs	30/MLS	LL6033
LL220	<b>Intellectual Property</b> Professor W. R. Cornish and Mr. D. Llewellyn	30/MLS	LL6075
LL221	<b>Theoretical Criminology</b> Professor J. E. Hall Williams and Mr. J. Freeman	30/MLS	LL6121
LL222	<b>Applied Criminology</b> Professor J. E. Hall Williams and others	30/MLS	LL6122
LL223	<b>Sentencing and the Penal Process</b> Professor J. E. Hall Williams, Dr. Saeed and others	30/MLS	LL6124
LL224	<b>Law of Management and Labour Relations</b> Professor Lord Wedderburn	28/MLS	LL6111
LL225	<b>Individual Employment Law</b> Mr. R. C. Simpson and Dr. J. Fulbrook	25/MLS	LL6110
LL226	<b>Human Rights – Seminar</b> Professor R. Higgins and Mr. Duffy	28/MLS	LL5132; LL6052
LL227	<b>Economic Analysis of Law (Graduate Course)</b> Mr. W. D. Bishop	48/MLS	LL6030
LL230	<b>Problems of Civil Litigation – Seminar</b> Sir Jack Jacob and Professor M. Zander	8/MLS	LL6010
LL231	<b>Problems in Taxation – Seminar</b> Professor M. A. King and Mr. Avery-Jones	8/LS	Ec2435

Lecture/ Seminar Number			Study Guide Number
LL232	<b>Diploma in Criminal Justice Class</b> Professor J. E. Hall Williams	10/ML	
LL233	<b>Multinational (Transnational) Enterprise and the Law</b> Mr. P. T. Muchlinski	28/MLS	LL6061
LL234	<b>Marine Insurance</b> Professor A. Diamond and Mr. P. T. Muchlinski	26/MLS	LL6142
LL235	<b>Public Interest Law</b> Dr. C. R. Harlow and Mr. R. W. Rawlings	30/MLS	LL6156
LL236	<b>Carriage of Goods by Sea</b> Professor A. L. Diamond	26/MLS	LL6140
LL237	<b>Planning and Environmental Control</b> Professor Jowell (U.C.) and Mr. M. Loughlin	30/MLS	LL6155
LL238	<b>Law and Social Theory</b> Mr. W. T. Murphy, Dr. S. A. Roberts, Mr. D. N. Schiff, Mr. Cotterrell (QMC) and Mr. Nelkeu (UCL)	14/MLS	LL6003









A. V. Dicey & J. H. C. Morris, *Conflict of Laws*; Sir Otto Kahn-Freund, *Principles of Private International Law*.

Full reading lists and problem sheets are provided for the seminars and students are expected to work through these in advance. Some topics dealt with in lectures and seminars are not covered in the textbooks. For this reason good attendance is important.

**Examination Arrangements:** Normal three hour written examination paper.

## LL5115

**Administrative Law**

**Teacher Responsible:** Dr. C. Harlow, Room A463 (Coordinating Member of Staff) (Secretary, Mrs. J. Heginbotham, A371)

**Course Intended Primarily for** 2nd or 3rd year LL.B. students.

**Scope:** The course examines the law relating to public administration and, in particular, the possibilities, limitations and desirability of legal intervention.

**Syllabus:** History and theories of Administrative Law; the Administrative Process and its characteristics; Administrative Tribunals; Judicial Review and the Ombudsmen; Administrative Compensation and Liability. Special studies will be made of the relationship between Administrative Law and (i) Land Use Planning; (ii) Welfare Benefits; (iii) Immigration Control.

**Pre-Requisites:** None.

**Teaching Arrangements:** (1) Seminars (LL126) held weekly. These are conducted by Dr. Harlow and Mr. R. Rawlings (Secretary, Mrs. S. Hunt, A304).

(2) Occasional seminars, conducted jointly with visiting speakers in the Lent Term.

**Written Work:** A minimum of two essays will be required.

**Reading List:** The standard text is Harlow and Rawlings, *Law and Administration* (1984) which should be bought. Further reading includes the following list. Books marked with an asterisk have two copies available in the Teaching Library. Articles will be recommended and supplied. P. Craig, *Administrative Law* (1983)\*; M. Dimock, *Law and Dynamic Administration* (1980)\*; K. C. Davis, *Discretionary Justice* (1969)\*; G. Ganz, *Administrative Procedures* (1974)\*; D. Foulkes, *Administrative Law* (1972)\*; Bailey, Cross & Garner, *Cases and Materials in Administrative Law*; J. Beatson & M. H. Matthews, *Cases and Materials in Administrative Law* (1983); M. Partington & J. Jowell, *Welfare Law and Policy*; M. Adler & A. Bradley, *Justice, Discretion and Poverty*; M. Adler and R. Asquith, *Welfare Law and Discretion*; J. B. Cullingworth, *Town and Country Planning*; P. McAuslan, *Ideologies of Planning Law*; C. Jones, *Immigration and Social Policy in Britain*; L. Grant & I. Martin, *Immigration, Law and Practice*; C. Harlow, *Compensation and Government Torts* (1982); R. Gregory & P. Hutchesson, *The Parliamentary Ombudsman*; N. Lewis & B. Gateshill, *The Commission for Local Administration: A Preliminary Appraisal*; R. Wraith & P. Hutchesson, *Administrative*

*Tribunals*; R. Wraith & G. Lamb, *Inquiries as an Instrument of Government*.

**Examination Arrangements:** One three hour examination. The paper will contain nine questions of which four are to be answered.

## LL5116

**Legislation**

**Teacher Responsible:** Joe Jacob, Room A469 (Secretary, Mrs. S. Hunt, A304)

**Course Intended Primarily for** LL.B. Parts I and II.

**Scope:** The examination is by extended essay on a subject of the student's choice and approved by Joe Jacob rather than by a written paper. The teaching is therefore of two types. There is a series of seminars on various aspects of the legislative process. Some of these will be given by outside speakers including, it is hoped as in previous years, Ministers, former Ministers, civil servants (or officials of Parliament). These occasions give students the opportunity to hear and discuss issues with first-hand experts in their fields.

The second aspect of the teaching relates to the essay. The essay itself should throw some new light on the legislative process. This may be done either by a case study of e.g. the passage of a Bill or by examining the operation of a legislative institution. It is to be noted that some of the most rewarding case studies have been on a basis which includes looking at Departmental files at the Public Record Office.

In approving the subject of an essay, account is taken of whether it is within the syllabus and the proposed methodology including the availability of materials. Although Joe Jacob makes every endeavour to be available to discuss or read drafts or parts of drafts of the essay, it is important to note that writing an extended essay imposes a measure of self-discipline on the student in relation to the time table for its submission and his work in other subjects.

**Syllabus:**

- Sources of Legislation: Pressure Groups; Royal Commission and Committee Reports; The Law Commission; The Civil Service; Cabinet Committees.
- Parliamentary Procedure and Scrutiny of Legislation: Standing Committees; Delegated Legislation; Private Bills; The Role of the House of Lords.
- The Role of Private Members: (a) Government Bills and (b) Private Members Bills.
- Ethics: Lobbying; Conflict of Interest.
- Draftsmanship and Parliamentary Counsel.
- Interpretation of Statutes and the Role of the Courts.
- Statutory Instruments.
- Access to Legislation.
- The reform of each of the above matters.

**Pre-Requisites:** There are none beyond entry to Part I.

**Teaching Arrangements:** Seminar (LL121), two hours each week. See Scope above.

**Reading List:** S. Walkland, *The Legislative Process in Great Britain*; The Renton Report, *The Preparation of Legislation* Cmnd. 6053 (1975); J. A. G. Griffith, *Parliamentary Scrutiny of Government Bills*; A. Barker & M. Rush, *The Member of Parliament and his Information*; B. Crick, *The Reform of Parliament*; A. Hanson & B. Crick (Eds.), *The Commons in*

*Transition*; D. Leonard & V. Harman (Eds.), *The Backbencher and Parliament*; P. Richards, *The Backbenchers*; M. Rush and M. Shaw, *The House of Commons: Services and Facilities*; Thornton, *Legislative Drafting*; Craies, *Statute Law*; Maxwell, *Interpretation of Statutes*; Erskine May, *Parliamentary Practice*; I. Burton & G. Drewy, *Legislation and Public Policy*.

**Examination Arrangements:** The essay will be about 10,000-12,000 words in length. It is preferred that it is typed. It must be submitted by the end of the Lent Term. There will be an oral examination soon after the beginning of the Summer Term. This will test further the student's knowledge and understanding of the subject on which he has written his essay and the syllabus in general. In assessing the final result both the essay and an oral examination will be taken into account.

## LL5117

**Local Government Law**

**Teacher Responsible:** Mr. Martin Loughlin, Room A355 (Secretary, A302)

**Course Intended Primarily for** 2nd and 3rd year LL.B.

**Syllabus:** The nature of local government. The development of local government in England and Wales since 1834. The structure of local authorities. The movement for reform in Greater London and elsewhere. The financing of local government. The local government franchise. The composition of local authorities. The committee system and the position of local government officers. The administrative, legislative and judicial powers and procedures as they affect the housing town and country planning, and education functions of local authorities. Judicial review of administrative action as it affects local authorities. The criminal, contractual and tortious liability of local authorities. The doctrine of *ultra vires*.

**Teaching Arrangements:** There will be a course of six 2-hourly lectures (LL118) delivered during the first three weeks of the Session. Thereafter supervision is on a one to one basis. Teachers: Martin Loughlin, John Griffith and Richard Rawlings.

**Reading List:** W. O. Hart, *Introduction to the Law of Local Government and Administration* (9th edn.); R. Buxton, *Local Government* (2nd edn.); C. A. Cross, *Principles of Local Government Law* (5th edn.); J. A. G. Griffith & H. Street, *Principles of Administrative Law* (5th edn.); J. A. G. Griffith, *Central Departments and Local Authorities*; W. A. Robson, *Local Government in Crisis* (2nd edn.); J. F. Garner, *Administrative Law* (4th edn.); S. A. de Smith, *Judicial Review of Administrative Act* (3rd edn.); H. W. R. Wade, *Administrative Law* (4th edn.); P. G. Richards, *The Reformed Local Government System* (revised 3rd edn.); N. P. Hepworth, *The Finance of Local Government* (revised 4th edn.); B. Keith-Lucas & P. G. Richards, *A History of Local Government in the Twentieth Century*.

**Examination Arrangements:** There will be no examination paper. Instead, each student will be required to write an essay on one subject and to submit to an oral examination on the subject of the essay and

its background. The essay will be about 10,000-12,000 words in length.

## LL5118

**Domestic Relations**

**Teacher Responsible:** D. C. Bradley, Room A462 (Secretary, A302)

**Other Teachers:** R. Rawlings, Room A356 (Secretary, Susan Hunt A304)

**Course Intended Primarily for** LL.B. 2nd or 3rd year and LL.B. with French Law 4th year.

**Scope:** The aim of the course is to examine issues of contemporary importance in the law of domestic relations and to investigate the development and policy of this branch of the law.

**Syllabus:** (a) Introduction: the function and development of domestic relations law; scope of the protective jurisdiction; alternative to judicial regulation: contracts between spouses and between married cohabitants; procedure and institutions.

(b) Legal marriage: recognition of alternative institutions: polygamous marriages; marriage between affines, transsexual and homosexual capacity; unmarried cohabitation.

(c) Legal intervention during marriage; 'support' for marriage: youthful marriages; financial provision during marriage, assessment of maintenance in small income cases, links with public support schemes; the developing law of matrimonial property; ownership, control and occupation rights; co-ownership schemes; treatment of domestic and other violence; injunctions.

(d) Marriage breakdown: issues of divorce law reform; conciliation and reconciliation; implementation of Part I Matrimonial Causes Act 1973, financial provision and property adjustment on divorce and death; children in divorce; the concept of custody; principles and procedure for the resolution of custody disputes; children caught between two parties; access, adoption and change of name.

(e) Aspects of law relating to children; independence of children in disputes between their parents; extra-marital children; adoption; representation of children; wardship; control of local authorities.

**Pre-Requisites:** A willingness to exercise independent judgement and commitment to the aims of the course outlined above.

**Teaching Arrangements:** There is one lecture and one seminar every week.

Lectures:

LL116 Domestic Relations.

Seminar:

LL116(a)

A course outline will be distributed. This will introduce the topics covered in the course, contain case, statute, periodical and other references and will raise issues for discussion in seminars. It is intended to provide the framework for the course and examination. Students should note that some topics to be discussed in classes will not be covered in lectures and should be prepared to work independently in the first instance where this is the case.

**Written Work:** may be required by seminar teachers.

**Reading List and Texts:** The Course Outline will



contain references etc. The recommended texts are either Cretney, *Principles of Family Law* (4th edn.); or Bromley, *Family Law* (6th edn.); Eekelaar, *Family Law & Social Policy* (2nd edn.); Sweet & Maxwell's *Family Law Statutes* (3rd edn.).

**Examination Arrangements:** Three hour examination in the Summer Term. Four questions out of at least ten should be answered. There are no compulsory questions. All questions carry equal marks. The paper is not divided into sections.

Students may use their own copy of Sweet & Maxwell's *Family Law Statutes* in the examination in accordance with School and University Regulations.

**LL5119****Housing Law**

**Teacher Responsible:** Mr. R. L. Nobles, Room A539 (Secretary, Colleen Etheridge, A502)

**Course Option for Part I and II - LL.B. degree.** Students taking this course also have to take LL146 **Law of Landlord and Tenant.**

**Scope:** This course allows students who have taken **Law of Landlord and Tenant** to look at issues in Housing Law. The seminars introduce a wider context of Housing Law and a number of topics not specifically addressed in **Law of Landlord and Tenant**. The Lent seminars, and the Landlord and Tenant option, provide the background knowledge for a supervised research essay on an area of Housing Law.

**Syllabus:**

1. *The Housing Context:* The history of urban housing development and the problems that are attached to such developments. Development of twin "codes" of housing law and public health law. Introduction of rent control. The rise of council housing policies. Current housing problems. Definitions of housing problems; causes of such problems. Housing finance as source of housing problems.

2. *Squatting:* An examination of the development of this self-help remedy to homelessness and the judicial and legislative response.

3. *Housing (Homeless Persons) Act 1977:* A legislative remedy for homelessness. A review of the judicial response.

4. *Council Tenancies:* The duties of local authorities; the rights of tenants; the obligation to re-house; administration of housing estate; eviction procedures.

5. *Owner-Occupation:* A review of the liabilities of mortgagors and mortgagees. Comparison with the landlord and tenant relationship. Consideration of the regulation of building societies.

**Teaching Arrangements:** Seminars (LL125): Five in the Lent Term.

**Reading List:** M. Partington, *Landlord and Tenant*; Tiplady, *Housing Welfare Law*; Hudson, *On Building Contracts*; Enid Gouldie, *Cruel Habitations*; T. Hadden, *Housing: Repairs and Improvements*; D. Hoath, *Homelessness*; S. Merrett, *Owner-Occupation in Britain*; A. Nevitt, *Housing Taxation and Subsidies*; M. Boody, *The Building Societies*; A. Pritchard, *Squatting*; Sweet & Maxwell, *Public Health Encyclopaedias*. Specialist journals, e.g. *LAG Bulletin*, *ROOF*; statutory material; Rent Acts, Housing Acts and Public Health Acts.

**LL5130****The Law Relating to Civil Liberties**

**Teacher Responsible:** Professor L. H. Leigh, Room A541 (Secretary, Mrs. S. Hunt, A304)

**Course Intended Primarily for** LL.B. Part I and Part II.

**Scope:** The aim of this course is to discuss civil liberties in England from a domestic standpoint. It accordingly deals with the following: theories of civil liberties; public order, police powers; obscenity; terrorism; contempt of court; freedom of expression; freedom of religion and bills of right.

**Syllabus:**

A. Theories of civil liberty.

B. Public order: (1) General and historical; (2) Breach of the peace; (3) Legislation relating to public order; (4) Picketing.

C. Police Powers: (1) Approaches to powers; (2) Ancillary powers; (3) Arrest; (4) Stop and search; (5) Powers on arrest; (6) Entry, search and seizure; (7) Disciplining the police; (8) Institutional position of the police.

D. State Security, including the Official Secrets Act and D Notices.

E. Obscenity, including obscene literature, films etc.

F. Freedom of expression, including contempt of court.

G. Freedom of religion (various manifestations).

H. Bills of Rights - should we have them and if so what model?

**Pre-Requisites:** There are no pre-requisites for this course, save successful completion of the Intermediate stage.

**Teaching Arrangements:** This is a seminar course. 20 two-hour seminars (LL129) are held in Michaelmas and Lent Terms. There are no lectures. Seminars are held on Thursday afternoon between 4-6 p.m., room to be notified.

**Written Work:** Term essays will be required but these do not count towards the class degree. In general two essays per term will be required. Professor Leigh and Mr. A. G. Nicol will be responsible for setting, marking and discussing work.

**Reading List:** Detailed reading lists are available from Mrs. Hunt. In general students might see the following: J. S. Mill, *On Liberty*; H. Street, *Freedom, The Individual and the Law*; G. Marshall, *Constitutional Theory*; P. O'Higgins, *Cases and Materials on Civil Liberties*; D. J. Harris & B. L. Jones, *Civil Liberties, Cases and Materials*; S. A. de Smith, *Constitutional and Administrative Law*; I. Brownlie, *Law of Public Order and National Security* (2nd edn. M. Supperstone, 1982); W. Laqueur & M. Rubin, *The Human Rights Reader* (1979); M. Zander, *The Police and Criminal Evidence Act 1984* (1985).

**Supplementary Reading List:** For this, please refer to Mrs. Hunt. The following are however of interest: I. Berlin, *Two Concepts of Liberty*; J. Childress, *Civil Disobedience and Political Obligation*; J. Rawls, *A Theory of Justice*.

**Examination Arrangements:** This course is examined by a three hour written examination in the Summer Term. In general ten questions are set of which four are to be answered. Any student seriously considering this

course should secure the detailed reading list from Mrs. Hunt.

**LL5131****Public International Law**

**Teacher Responsible:** Professor R. Higgins, Room A372 (Secretary, Mrs. Susan Hunt, A304)

**Course Intended Primarily for** LL.B. Parts I and II; B.Sc. (Econ.) Parts I and II; B.Sc. c.u.

**Scope:** The aim of the course is to introduce students to the nature, role and content of public international law.

**Syllabus:** Theoretical questions concerning the nature and basis of international law, the basis of obligation, methods of development. Sources. Relationship with national law. Participants in the international legal system: how international law affects states, governments, corporations, individuals. The concept of recognition. Title to territory; nationality. Aliens and international law: state responsibility, duties owed to aliens, human rights. Jurisdiction: the authority to assert competence over persons, property and events. Immunity from jurisdiction. the law of treaties; international claims; dispute settlement. The use of force: permitted and impermitted uses of force; self-defence; intervention; an introduction to the relevant provisions of the UN Charter.

**Teaching Arrangements:** Lectures: The lecture course is given by Professor Higgins, Dr. Birnie and Dr. Shaw, and consists of two hours for 10 weeks in Michaelmas and Lent Terms and for one week in the Summer Term. LL112. Classes: LL.B. students receive one hour of classes per week for 10 weeks in Michaelmas and Lent Terms; and one hour for 4 weeks in Summer Term. LL112(a). B.Sc. and other students receive fortnightly teaching of one hour in Michaelmas and Summer Terms, and weekly teaching in Lent Term. LL112(b). **Reading List:** Students are advised to buy Harris, *Cases and Materials on International Law*. LL.B. students will find it useful to refer to Brownlie, *Principle of Public International Law* (3rd edn.). All students will need Brownlie *Basic Documents on International Law* (2nd edn.). Reading of book extracts from these and other books, along with articles and cases, is assigned on a weekly basis.

**Examination Arrangements:** There is a three hour formal examination in the Summer Term, based on the entire syllabus. There are usually 10 questions, of which 4 are to be answered. The paper comprises both essays and problem questions. Class teachers also require essays in the Michaelmas and Lent Terms.

**LL5132****International Protection of Human Rights**

**Teacher Responsible:** Professor R. Higgins, Room A372 (Secretary, Mrs. Susan Hunt, A304)

**Course Intended Primarily for** LL.B. Parts I and II; B.Sc. (Econ.) Part II.

**Scope:** Introduction to the rapidly developing international law of human rights, both at a universal and regional level.

**Syllabus: Conceptual Issues:** definitions of human rights; distinguishing features from international law generally; the individual and the state; the relevance of different cultures; stages of development, ideologies; human rights as absolute or qualified rights.

*The UN System* and human rights. Detailed examination of the various UN institutions and techniques for the protection of human rights.

*The Inter-American System and the OAU* and human rights. Various non-institutional methods for promoting human rights, including treaty making and the question of the incorporation of international rights into domestic law.

*The European Convention on Human Rights:* about one third of the course is devoted to a study of the institutions of the European Convention and the case law on particular rights (drawing in large measure on European Convention case law). Among the rights examined through the case law are freedom of expression; access to courts; fair trial; freedom from torture; and others.

**Pre-Requisites:** Students need to have already taken a course in **Public International Law** or in **Civil Liberties Law**.

**Teaching Arrangements:** This course is taught by 1½ hour weekly seminars (LL226) 10 in Michaelmas Term, 10 in Lent Term; supplemented by writing requirements and consultation on these.

**Reading List:** All students should purchase Brownlie, *Basic Documents on Human Rights*, (3rd edn.) and Van Dijk and Van Hoof, *Theory and Practice of the European Convention on Human Rights*. Required reading of extracts from books, articles, journals and cases are available in the syllabus issued, and are assigned on a weekly basis.

**Examination Arrangements:** There is a three hour formal examination in the Summer Term, based on the syllabus in the Michaelmas and Lent Terms. There are usually 8 questions, of which 4 are to be answered. The paper comprises both essay and problem questions.

**LL5133****Introduction to European Law**

**Teacher Responsible:** Mr. T. C. Hartley, Room A467 (Secretary, Colleen Etheridge, A502)

**Course Intended Primarily for** LL.B. degree.

**Scope:** An introductory course on the law of the E.E.C.

**Syllabus: Introduction:** the institutions of the Community; their structure and functions. *Constitutional and Administrative Law of the Communities:* nature and sources of Community law; Community law and the national law of Member States; preliminary rulings by the European Court; judicial remedies against Member States; judicial review of Community action (and failure to act); contractual and non-contractual liability of the Community. *Community Law and the Business Enterprise:* Basic principles of competition law; free movement of goods and industrial property rights. *Community Law and the Individual:* Free movement of workers; freedom to provide services; freedom from discrimination.



material dealt with in the course during the year. Three questions have to be answered.

**LL5138****Introduction to the Anthropology of Law**

**Teacher Responsible:** Dr. S. A. Roberts, Room A360 (Secretary, Jane Heginbotham, A371)

**Course Intended Primarily for** LL.B. 2nd or 3rd year students, B.Sc. Anthropology, Sociology, Course Unit.  
**Scope:** The aim of the course is to introduce students to the study of order and conflict in those small-scale societies which have traditionally been the concern of social anthropologists.

**Syllabus:**

- (1) *The Problem of Order.* An introduction to the development of research into primitive law; theories of order; normative systems; law in relation to political systems and kinship organisation.
- (2) *Conflict.* Forms of Conflict. Disputes: Institutions and processes.
- (3) *Legal Change.* The development of legal rules and legal systems.
- (4) *Pluralism.* Plural normative systems. The relationship of governmental institutions in small-scale societies to those of the state.
- (5) *Special Topics.* This year the special topics will be the three following:
  - (a) Marriage – the nature of marriage in preliterate societies; formation of marriage; prestations associated with marriage; termination of marriage.
  - (b) Inheritance – the nature of inheritance, rules about devolution; administration of estates.
  - (c) Land tenure – the kinds of interest in land recognised in small-scale societies; methods of transfer of such interests.

**Pre-Requisites:** No special background knowledge is required. The course is particularly appropriate for law students who wish to see their own legal ideas and institutions in a broader context and for anthropology or sociology students who have a special interest in conflict.

**Teaching Arrangements:** There is a lecture course with supporting classes as follows:

Lectures: LL122 25 Sessional.

Classes: LL122a 24 Sessional (rooms to be announced).

The lectures cover the whole foregoing syllabus. The form the classes take is flexible; topics for discussion and recommended readings are announced weekly in advance in the lectures. Each student is encouraged to pursue individual interests within the framework of the syllabus and to prepare a short paper for class discussion in the Lent or Summer Term.

**Written Work:** As above.

**Reading List:** No one book matches the syllabus exactly, but students are advised to buy one of the following which cover a large part of it:

E. A. Hoebel, *The Law of Primitive Man* (Harvard, 1954); L. Pospisil, *Anthropology of Law* (Harper and Row, 1971); P. J. Bohannon (Ed.), *Law and Warfare* (University of Texas, 1967), (A set of readings). Students may wish to look at S. A. Roberts, *Order and Dispute: An Introduction to Legal Anthropology*

(Penguin Books, 1979) in advance, to get the general flavour of the subject. A full reading list is provided at the beginning of the course.

**Examination Arrangements:** There is a three-hour formal examination in the Summer Term, based on the full syllabus for the lecture course, but related to the particular interests pursued in that year. The paper contains some 12 or more questions, of which three have to be answered; the paper is not divided into sections. One third of the marks are awarded for each of the three answers. Assessment is entirely based on the formal examination. Copies of previous years papers are available.

**LL5140****Land Development and Planning Law**

**Teacher Responsible:** Mr. Martin Loughlin, Room A355 (Secretary, A302)

**Course Intended Primarily for** LL.B. Parts I and II.

**Syllabus:**

1. *Urbanisation, planning and land development.* Historical introduction: industrialisation, urbanisation and the emergence of the statutory codes relating to public health, housing and town planning. Land value question. Overview of contemporary legal framework and contemporary planning issues.
2. *The Planning Framework.* Intergovernmental relations in the planning system. The legal framework for forward planning: structure plans, local plans, unitary development plans and the status of supplementary planning guidance.
3. *Land Development and the Financing and Taxation of Development.* The property development process. Legal concept of development. Sources and methods of financing development. Development land tax.
4. *The Regulation of Development by Private Bodies.* Applications for planning permission: procedures, outline planning permission, material considerations, conditions, agreements, appeals and call-in powers. Role of the courts. Enforcement of planning control.
5. *Development by Public Bodies.* Public sector landholdings. Land development functions of public bodies. Consent procedures for development by public bodies. Sales of public sector land. Compulsory compensation. Legal procedures for highway and trunk road development, electricity production, and the redevelopment of inner-city land.
6. *Environmental Degradation.* Legal framework relating to noise, water and atmospheric pollution and the disposal of solid waste.

**Teaching Arrangements:** 20 lectures (LL113) Sessional.

**Reading List:** M. Grant, *Urban Planning Law*; D. Heap, *An Outline of Planning Law*; A. Telling, *Planning Law and Procedure*; P. McAuslan, *Land, Law and Planning*; M. Purdue, *Cases and Materials on Planning Law*; M. Grant, *Planning Law Handbook*; N. Roberts, *The Reform of Planning Law*; K. Davies, *Law of Compulsory Purchase and Compensation*; J. Alder, *Development Control*; P. McAuslan, *The Ideologies of Planning Law*; D. Heap (Ed.), *Encyclopaedia of Planning Law and Practice*; H. J. Brown (Ed.), *Encyclopaedia of Compulsory Purchase and Compensation*; A. J. Harrison,

*Economics and Land Use Planning*; G. Hallett, *Urban Land Economics*; P. Balchin & J. Kieve, *Urban Land Economics*; J. B. Walker, *Welfare Economics and Urban Problems*; A. Scott, *Urban Land Nexus and the State*; M. Dear and A. Scott (Eds.), *Urbanisation and Urban Planning in Capitalist Society*; P. Hall, *Urban and Regional Planning*; J. B. Cullingworth, *Town and Country Planning in Britain*; D. McKay and A. Cox, *The Politics of Urban Change*; P. Saunders, *Urban Politics*; G. Cherry, *The Politics of Town Planning*; R. Davies & P. Hall (Eds.), *Issues in Urban Society*; R. Pahl, *Whose City?*; M. Ball, *Housing Policy and Economic Power*; A. Ravetz, *Remaking Cities*; J. Ratcliffe, *Land Policy*; J. Ratcliffe, *An Introduction to Urban Land Administration*; D. Massey and A. Catalano, *Capital and Land*; O. Marriott, *The Property Boom*; P. Ambrose and B. Colenutt, *The Property Machine*; D. Cadman and L. Austin-Crowe, *Property Development*; F. Schaffer, *The New Town Story*; D. Starkie, *The Motorway Age*; International Bar Association, *Planning Law for Industry*; B. Wynne, *Rationality and Ritual*; R. Macrory (Ed.), *Commercial Nuclear Power: Legal and Constitutional Issues*; P. Hall (Ed.), *The Inner City in Context.*

**LL5170****Outlines of Modern Criminology**

**Teacher Responsible:** Professor Hall Williams, Room A504 (Secretary, Jane Heginbotham, A371)

**Course Intended Primarily for** LL.B. Part I and II (Half Option).

**Scope:** This course, which is a half unit course for the purpose of the LL.B., lasts one term. It is suitable for general course students, and a limited number may be admitted on application to Professor Hall Williams. The course is highly selective and every effort is made to hold the reading requirements within reasonable limits. It provides an introduction to modern criminology.

**Syllabus:**

1. The significance of criminal statistics.
2. Genetic and bio-chemical factors in crime.
3. Psychological explanations.
4. Psychoanalytical theories about Crime.
5. The Sociological Approach to Deviance.

**Pre-Requisites:** None, but some familiarity with sociological or psychological literature would be an advantage. D. J. West, *Delinquency, its Roots, Careers and Prospects* (1982).

**Teaching Arrangements:** A weekly two-hour seminar and no class, in the Lent Term. Ms. Temkin and Professor Hall Williams each give seminars on subjects of interest to them. Seminars LL141 10 Lent Term.

**Written Work:** Essays or past examination questions will be set from time to time.

**Reading List:** H. Prins, *Criminal Behaviour* (1973); H. Prins, *Offenders, Deviants or Patients?* (1980); M. D. Rutter, *Maternal Deprivation Reassessed* (1972); H. J. Eysenck, *Crime and Personality* (1977); I. Taylor, P. Walton & J. Young, *The New Criminology* (1973); A. K. Bottomley and C. Coleman, *Understanding Crime Rates* (1981); A. K. Bottomley, *Criminology in Focus* (1979); J. E. Hall Williams, *Criminology and Criminal*

*Justice* (1982); C. Smart, *Women, Crime and Criminology* (1976).

**Examination Arrangements:** There will be one two-hour examination.

**LL5171****Sentencing and Treatment of Offenders**

**Teacher Responsible:** Professor Hall Williams, Room A504 (Secretary, Jane Heginbotham, A371)

**Course Intended Primarily for** LL.B. Part I or II (Half Unit Option).

**Scope:** This course, which is a half unit course for the purpose of the LL.B., lasts one term. It provides an introduction to the study of sentencing theory and practice, including a discussion of the aims of punishment, and the information received by courts in the exercise of their sentencing function. It goes on to examine the various custodial and non-custodial measures available, and their effectiveness.

**Syllabus:**

1. Aims and Justifications of Punishment.
2. Sentencing Function of the Courts.
3. Custodial Methods in Dealing with Adults.
4. Custodial Methods for Offenders under 21.
5. Non-custodial Methods.

**Pre-Requisites:** Most students coming to this course will be familiar with the structure of the English courts, both at trial and appeal levels. As the course is geared to the English system it is not really suitable for General Course students.

**Teaching Arrangements:** A weekly two-hour seminar and no class, in the Michaelmas Term. Professor Hall Williams presents an outline of the subject and distributes hand-outs during the first hour. The second hour is devoted to discussion. In the Summer Term the students meet Professor Hall Williams again for two meetings at which papers are presented which they have prepared in the intervening months. Copies of these papers are made available to other students. The choice of subjects is made after discussion with Professor Hall Williams at the end of the Michaelmas Term. Students may embark on joint projects, and some original research is encouraged. Lectures: LL140 10 Michaelmas Term.

**Written Work:** None except for the above papers.

**Reading List:** Will be given at the commencement of the course.

**Examination Arrangements:** There will be one two-hour examination.

**LL5172****LL5173****Social Security Law I and II**

**Teacher Responsible:** Dr. Julian Fulbrook, Room A368 (Secretary, Colleen Etheridge, A502, Ext. 259)

**Course Intended Primarily for** LL.B. – Parts I and II

**Scope:** SS I aims to survey the basic legal theory of the subject. SS II is an advanced practical course on lawyering technique.

**Syllabus:**

(1) *Social Security I:* General Introduction to National Insurance and Supplementary Benefits Law. Terminology and specialist citations. Historical



**Syllabus:**

- (a) Attitudes to aliens, race and religion – early attempts to control immigration – contemporaneous social and economic problems.
- (b) Concept of nationality – consequences of citizenship – effect of Empire and Commonwealth.
- (c) International obligations – Conventions on Human Rights, Refugees, Stateless persons and Establishment.
- (d) Political and Economic background to Commonwealth immigration – legislation of 1962-65, 1968 and 1971.
- (e) Current restrictions on entering and remaining in the U.K. including special provisions for EEC nationals.
- (f) Expulsions – deportation and removal from the U.K.
- (g) Administration of control – by the Home Office and by other government agencies, the relevance of nationality and immigration status to social security and other state provided services or benefits.
- (h) Review of controls – by Immigration Appeals authorities, by the courts, by Parliament.
- (i) Acquisition and Loss of British nationality.

Except as they are relevant to these topics, race discrimination and the Race Relations Act 1976 will not be given detailed treatment.

**Pre-Requisites:** None.

**Teaching Arrangements:** The course (LL147) will be given in the Michaelmas Term. There will be 10 x 2 hour seminars. Worksheets will be distributed for each seminar.

**Reading List: Text Book:** John Evans, *Immigration Law* (1983); **Reference:** MacDonald, *Immigration Law and Practice* (1983); MacDonald & Blake, *The New Nationality Law* (1982); Grant & Martin, *Immigration Law and Practice* (1982); Plender, *International Migration Law* (1972).

**Introductory Reading:** Ann Dummett, *Citizenship and Nationality* (Runnymede Trust 1976); Paul Foot, *Immigration and Race in British Politics* (1965); Garner, *The Alien Invasion* (1972); Garrard, *The English and Immigration 1880-1914* (1973); Peter Fryer, *Staying Power: The History of Black People in Britain* (1984).

**Examination Arrangements:** Two-hour examination. Students may take in copies of the Immigration Act 1971, British Nationality Acts 1948 and 1981 and the current Immigration Rules.

**LL5178****Public Law and Economic Policy**

(This course will not be offered in 1985-86)

**Course Intended Primarily for** LL.B. Parts I and II. **Scope:** British Governments have been dominated since the last war by a perceived need to guarantee economic "success", and towards that end a variety of institutional structures and methods have been established or extended. Yet until the last few years public lawyers have had virtually nothing to say about these topics, to such an extent that economic policy has been pursued in a legal and constitutional void. There may be good reason for this – economic problems may not be susceptible to legal or constitutional analysis or control, – alternatively, this void may allow economic policy to be framed by a benign, questionably

competent and uncontrollable State. This course attempts to provide some resolution of the dichotomy above, and to do so by probing particular areas of economic policy.

**Syllabus:** Section (a) will be taught every year, and selected topics from sections (b) – (h) taught from year to year.

(a) *Introduction:* The particular nature of constitutional problems and the economy; the tension between flexibility and accountability. Formal and informal methods of policy formulation and realisation. The characteristics of the possible accountability agencies and methods in the field (courts, Parliamentary Committees, the PCA, financial control, self-regulation, licensing bodies, etc). A brief history of governmental intervention in Britain, concentrating in particular on the experience of World War II and the White Paper on Employment Policy in 1944.

(b) *Governmental Regulation of the Market:* The administration (though not the legal or economic detail) of anti-trust in relation to both mergers and competition, the problem of justiciability; licensing and approved self-regulation.

(c) *The Government as Market Actor:* The economic and constitutional significance of Government contracts; the legal regime of contracting; contracting as a policy instrument and its control.

(d) *The Government as Monopolist:* The aims and methods of nationalisation. The relationship between the NIs and the Government the accountability of the NIs to courts and Parliament. Consumers and equity shareholders and the NIs. The legal regime of employee/NI relationships. The legal regime of competition between the NIs and the private sector of industry.

(e) *The Government and Selective Intervention in the Market:* The history of intervention; support schemes to individual industries. Intervention in the 1960s; the IRC. The 1970s; the Industry Acts 1972, 1975 and 1980; the NEB. The choice of intervention agency and the accountability of paragonmental agencies. Disengagement. The legal problems of the public/private firm and the tension between accountability to the representatives of the public, to employees and to shareholders. The legal problems of discretionary intervention.

(f) *The Government and Finance:* The constitutional position of the central bank, with a comparison of foreign models. The Bank of England Act 1946; the relationships between the Bank and other bankers. 'Moral suasion' and formal law. The Banking Act 1979 and its administration. Governmental relations with the Stock Market, the discount houses and the institutional investors. The PSBR and the National Loans Act 1968. The constitutional basis of monetary policy and the formulation, authority and policing of monetary targets.

(g) *Budgetary and Expenditure Policy:* The constitutional basis of taxation. Parliament and the budgetary process. Judicial review of review decisions. The legal, constitutional and economic aspects of public expenditure. Formulation and control of same. Parliamentary Committees, the Exchequer and Audit Acts, the Comptroller and Auditor General.

(h) *Europe:* The influence of accession to the EEC on certain of the above topics, in particular (c), (d) and (e). The making and control of the Community Budget.

**Pre-Requisites:** A wide range of material will be recommended, but very little of it will be technical and – emphatically – no prior knowledge of economics is required. An interest in modern politics and government – and better still, economic policy, will, however be a distinct advantage.

**Teaching Arrangements:** 10, 1½-hour sessions (LL149), Lent Term, evenings from 6.30-8.00 p.m.

**Reading List:** Tivey, *Nationalism in British Industries: Nationalism in the 1960s*; Ganz, *Government and Industry*; Stevens & Yamey, *The Restrictive Practices Courts*; Daintith, *The Economic Law of the United Kingdom*; Turpin, *Government Contracts*; Young & Lowe, *Intervention in the Mixed Economy*; Chorley, (Parts of) *Modern Banking Law*; Robinson, *Parliament and Public Expenditure*.

Periodical literature will be drawn from, *inter alia*, the following journals: *Journal of Business Law*; *Modern Law Review*; *British Tax Review*; *Common Market Law Review*; *Public Law*; *British Journal of Law and Society*; *Policital Studies*; *Government and Opposition*; *Parliamentary Affairs*; *The Parliamentarian and Public Administration*. Plus numerous official and Parliamentary papers.

**Examination Arrangements:** The assessment method for this course will be a two-hour exam worth 40% and a long paper worth 60%.

**LL5179****Sociological Theory and the Idea of Law**

**Teacher Responsible:** Mr. D. N. Schiff, Room A460 (Secretary, Pam Hodges, A369)

**Course Intended Primarily for** LL.B. Part I and II.

**Scope:** (1) To introduce sociological theory as attempts to express knowledge about special phenomena. (2) To introduce and evaluate ideas about law not written by those who, as lawyers have an interest in the validation of the law in some form or other, but those who, external to the workings of the legal system, have proffered significantly different and often extreme views of law in the context of their theories of society as a whole. (3) To develop an understanding of what is meant by the social impact and the social context of law. (4) To allow students to specialize in an area of particular interest.

This is a course in sociological theory and is not designed (i) as an applied social science course (the empirical findings of those who have studied the functioning of law will only be considered by the way) (ii) as an introduction to research methods.

**Syllabus:**

1. Introduction to sociological theory
2. Mechanical sociology and the idea of law
3. Social behaviour and the law
4. Social control and law
5. Social change and law
6. Law as an index of social change
7. Law and development
8. Law and symbolisation

9. The limits of law

10. Socialization and law

**Teaching Arrangements:** 4 weekly two-hour seminars (LL148) will be held in the Michaelmas Term, thereafter seminars will be arranged to allow students to present papers on their individual pieces of research.

**Suggested Reading:** will be given at the beginning of the course. Some use will be made of R. Cotterrell, *The Sociology of Law*.

**Background Reading:** R. Aron, *Main Currents in Sociological Thought I and II*; P. Winch, *The Idea of a Social Science*; P. L. Berger & T. Luckman, *The Social Construction of Reality*.

**Examination Arrangements:** By dissertation of 6,000-8,000 words.

**LL5199****Essay on an Approved Legal Topic**

The regulations for the LL.B. degree provide that where a student is taking the equivalent of three-and-a-half subjects he/she may make up the final half-subject by writing an essay on a legal topic approved by the School.

This may be done by either Second or Third Year students (subject only to the rule that no one may do more than 25% of their examination by way of essays). Any student thinking of doing the approved legal topic essay should discuss the matter with his/her tutor.

The selection of an appropriate topic would be for the student in consultation with his or her tutor or, if the tutor is not to be the supervisor for the essay, with the supervisor. Once they have settled on a topic it must be approved by the Chairman of the Part I and Part II LL.B. Board (currently Professor J. E. Hall Williams).

There is no rule that the topic cannot be from an area covered by a subject being taken (or having been taken) as an ordinary examination subject. But in that case the supervisor and the Chairman of the Examiners will need to consider to what extent the subject is different from what would be done in the other course. Obviously it is not possible to do an essay on a subject which simply repeats material covered elsewhere.

The length of the essay should be 6,000 to 8,000 words (excluding footnotes). In the interests of the candidate a typescript is preferred. Footnotes may be placed at the end of the text or at the bottom of the page to which they relate. The latter is preferable. The essay should include a bibliography.

The supervisor will be available to provide some guidance but basically it is intended that the student should do his own research.

The essay should be handed in to the Examinations Office not later than 1st May.

**LL6003****Law and Social Theory**

**Teacher Responsible:** Mr. W. T. Murphy, Room A361 (Secretary, Pam Hodges, A369)

**Course Intended Primarily for** LL.M.

**Scope:** This course is designed to introduce students to the study of law through the perspective of modern social theory.





to the institutions of the European Community and Comecon (constitutional and administrative law).

**Syllabus:**

*Part I: The European Communities*

(Comparison will be made with other West European organisations, especially the Council of Europe).

1. The Commission, the Council, the Parliament and the Court: structure and functions.

2. Sources of Community Law: constitutive Treaties, subsidiary conventions, acts of the representatives of the Member States; Community acts: legislative powers, delegation of powers, form and procedure; general principles of law (with special reference to human rights); agreements with third countries.

3. Community Law and National Law: direct applicability, direct effect, the supremacy of Community law; problems raised by national constitutional law, especially in the United Kingdom.

4. Preliminary Rulings: references on interpretation and validity by national courts and tribunals to the European Court.

5. Actions against Member States: enforcement of Community law by means of proceedings brought in the European Court by the Commission or another Member State.

6. Judicial Review of Community Action (with special reference to the rights of individuals): actions to annul Community acts; failure to act; indirect challenge; the plea of illegality; grounds of review.

7. Community Liability: contract, quasi-contract and tort, with special reference to liability for legislative and executive acts and the problem of concurrent remedies in the European Court and in national courts.

*Part II: Comparison with Integration in Eastern Europe.*

Basic Concepts of Socialist Economic Integration and contrast with EEC - COMECON - International financial institutions - Production-Branch Organisations - Multi-national Enterprises - Association and Co-operation Agreements - Dispute Settlement - Harmonisation and Unification of Law - Comprehensive Programme for Socialist Economic Integration - Long-term Special-purpose co-operation arrangements - Relations with Third Countries, International Institutions, and the EEC.

**Pre-Requisites:** No previous knowledge of the European Community is expected but general legal skills and some knowledge of constitutional and administrative law (in any system) are required.

**Teaching Arrangements:**

**The European Community**

Lectures (LL214): twice weekly, Michaelmas and Lent Terms only. The lectures will be by **Mr. Hartley**. Seminars weekly at King's College by **Professor Jacobs**.

**COMECON: (Summer Term)**

Seminars at University College by **Professor Butler**. Materials will be provided.

**Reading List:** T. C. Hartley, *The Foundations of European Community Law*; Henry G. Schermers, *Judicial Protection in the European Communities*; N. Brown & F. Jacobs, *The Court of Justice of the European Communities*; D. Lasok & J. W. Bridge, *Introduction to the Law and Institutions of the*

*European Communities*; Lawrence Collins, *European Community Law in the U.K.*; Bernard Rudden & Derrick Wyatt, *Basic Community Laws*.

Students should buy Rudden & Wyatt and either Hartley or Schermers.

**Examination Arrangements:** Normal three-hour written examination paper. Unmarked copies of Rudden & Wyatt and Sweet & Maxwell's *European Community Treaties* may be taken into the examination.

**LL6052**

**International Protection of Human Rights**

**Teacher Responsible: Professor R. Higgins**, Room A372 (Secretary, Mrs. Susan Hunt, A304)

**Course Intended Primarily for** LL.M. and Diploma in International Law students.

**Scope:** Introduction to the rapidly developing international law of human rights, both at a universal and regional level.

**Syllabus:**

*Conceptual Issues:* definitions of human rights; distinguishing features from international law generally; the individual and the state; the relevance of difference cultures, stages of development, ideologies; human rights as absolute or qualified rights.

*The UN System and human rights.* Detailed examination of the various UN institutions and techniques for the protection of human rights.

*The Inter-American System and the OAU and human rights.*

Various non-institutional methods for promoting human rights, including treaty making and the question of the incorporation of international rights into domestic law.

*The European Convention on Human Rights:* about half of the course is devoted to a study of the institutions of the European Convention and to case law on particular rights (drawing in large measure on European Convention case law). Among the rights examined through the case law are freedom of expression; access to courts; fair trial; freedom from torture; the right to life; the right to organize and associate; freedom of religion; and others.

**Pre-Requisites:** Some knowledge of public international law.

**Teaching Arrangements:** This course (LL226) is taught by 1½ hour weekly seminars (10 in Michaelmas, 10 in Lent, 8 in Summer).

**Reading List:** All students should purchase Brownlie, *Basic Documents on Human Rights*, (3rd edn.) and Van Dijk and Van Hoof, *Theory and Practice of the European Convention on Human Rights*. Required readings of extracts from books, articles, journals, and cases are available in the syllabus issued, and are assigned on a weekly basis.

**Examination Arrangements:** There is a three hour formal examination in the September following the end of the course. There are usually 9 questions, of which 4 are to be answered.

**LL6054**

**International Economic Law**

**Teacher Responsible: Dr. D. A. Chaikin**, Room A359 (Secretary, Pam Hodges, A369)

**Course Intended Primarily for** LL.M. students at London University.

**Scope:** The aim of the course is to study in detail those aspects of public international law which are concerned with the ownership of natural resources, the production and distribution of goods, invisible international transactions, currency and finance, related services and the organisation of the entities in such activities.

**Syllabus:**

I. *Fundamentals.* The province, sources, history and sociology of international economic law.

II. *The principles of international economic law.* Economic sovereignty and the co-existence of sovereign and heterogenous economies. Extraterritorial effects of economic legislation. Immunities from economic sovereignty. Limitations of economic sovereignty (including freedom of commerce, freedom of land and air communications, freedom of inland navigation, freedom of access to the sea and maritime ports, and freedom of the seas). The problem of international economic public policy.

III. *The standards of international economic law.* Function and types, including the minimum standard of international law, the most-favoured-nation standard, the standard of preferential treatment, the standard of reciprocal treatment, the standard of the open door and the standard of national treatment. The standards of international economic law on the level of international institutions, including the standard of economic good neighbourliness.

IV. *International economic transactions.* General principles. Treaties of friendship, commerce and navigation. Other economic agreements, including double-taxation agreements, development aid agreements, and agreements for technological co-operation. Unilateral economic acts. International economic torts, with special reference to the protection of foreign investments. The problem of an international economic law of crime.

V. *The law of economic warfare.* Economic reprisals. Economic warfare, with special reference to the position of enemy and neutral property in land and sea warfare. Economic war crimes. War indemnities, reparation and restitution. Collective economic sanctions.

VI. *Patterns of international economic organization.*

A. On the level of partly organized international society; the representation and protection of economic interests abroad, with special reference to relevant aspects of diplomatic and consular relations. International adjudication of economic claims. Economic and financial unions (e.g. monetary unions, customs unions, free trade areas and common markets).

B. On higher levels of international integration: the economic framework of the United Nations. Universalist institutions (e.g. the Bretton Woods institutions and GATT). Regional institutions (e.g. the regional Economic Commissions of the United Nations). Sectional institutions (e.g. international

commodity agencies). Supra-national institutions (e.g. the European Communities).

**Pre-Requisites:** Knowledge of public international law is essential.

**Teaching Arrangements:** There is a seminar (LL218) of two hours duration each week, accompanied by classes as required. Seminar: Sessional.

**Reading List:** Recommended: K. W. Dam, *The GATT, Law and International Economic Organisations*; J. Gold, *Legal and Institutional Aspects of the International Monetary System*; J. Jackson, *World Trade and the Law of GATT*; A. Koul, *The Legal Framework of UNCTAD in World Trade*; O. de Rivero, *New Economic Order and International Development Law*; B. Tew, *The Evolution of the International Monetary System*; A. Yusuf, *Legal Aspects of Trade Preferences for Developing States*.

**Supplementary Reading List:** G. Schwarzenberger, *Frontiers of International Law* (ch. 9); A. Rozenal, *The Charter of Economic Rights and Duties of States in the New International Economic Order*; K. Hossain, *Legal Aspects of the New International Economic Order*; F. Atling von Geusau, *The Lome Convention and a New International Economic Order*; R. Kemper, *The Tokyo Round: Results and Implications for Developing Countries*; B. Gosovic, *UNCTAD - Conflict and Compromise*; J. Fawcett, *Law and International Resource Conflicts*; D. Shea, *The Calvo Clause*; N. Horn, *Legal Problems of Codes of Conduct for Multinational Enterprises*; G. P. Verbit, *International Monetary Reform and the Developing Countries*; G. Goodwin & J. Mayall, *A New International Commodity Regime*; A. Hazlewood, 'The End of the East African Community: What are the lessons for Regional Integration Schemes', in *Journal of Common Market Studies*, Vol. 18, No. 1, p. 40, (1979); U.N. Charter Chs IX and X (1945); Havana Charter (1948); Vienna Convention on the Law of Treaties (1969); U.N. Charter on Economic Rights and Duties of States (1974).

**Examination Arrangements:** There is a three-hour formal examination in September, based on the full syllabus. The paper contains 10 questions, of which 4 are to be answered. The paper counts for 100% of the assessment of the course.

**LL6057**

**The International Law of Natural Resources**

**Teacher Responsible: Professor R. Higgins**, Room A372 (Secretary, Mrs. Susan Hunt, A304)

**Course Intended Primarily for** LL.M.

**Scope:** This course is concerned with international and transnational law relating to the protection, exploitation and allocation of natural resources. It addresses the problems of all those concerned with natural resources, whether developed or developing countries, whether capital exporting or capital importing, whether resources-rich or lacking in natural resources.

**Syllabus:** The relevant law and its development: international contracts, *pacta sunt servanda*, vested rights, *restitutio in integrum*, nationalization, compensation. Pressures for change: permanent







above syllabus as covered by the course of seminars. The paper contains eight questions of which each candidate is required to answer three questions. One third of the marks is awarded for each question.

**LL6110****Individual Employment Law**

**Teacher Responsible:** Mr. R. C. Simpson, Room A461 (Secretary, Rosemary Maund, A304)  
**Course Intended Primarily for** LL.M. degree.

**Scope:** The main aim of the course is to provide a detailed analysis of the law as it affects the relationship between each individual worker and his or her employer in Britain. Because of its common law base, this has relevance for other common law systems. International influences on British law are part of the course as are social security rights insofar as they are related to employment.

**Syllabus:** The nature of the individual employment relationship: sources of rules and the significance of contract. The contract of employment: employees contrasted with the self-employed and other special groups; formation of the contract, variation of its terms; continuity of employment; express and implied terms; incorporation of collective terms, pay – guarantee pay and maternity rights; hours of work – time off work and holidays. Freedom of association and the right to work. Sex discrimination and equal pay; racial discrimination. Discipline; termination of employment – dismissal; rights on dismissal – unfair dismissal, redundancy. National insurance and supplementary benefits. The international perspective.  
**Pre-Requisites:** Knowledge of at least one system of labour law or industrial relations an advantage but it is NOT essential.

**Teaching Arrangements:** A weekly seminar (LL225) is held throughout the year. LL225 – 25 Sessional. The seminars will cover each topic of the syllabus above in detail. Detailed reading for the seminars is handed out one week in advance. The seminars are usually conducted on the basis of general discussion. Students are advised to write an essay during both the Christmas and the Easter vacations.

**Written Work:** See above.

**Reading List:** The following is an essential purchase: Hepple and O'Higgins, *Employment Law*. Students should also purchase either Butterworth's, *Employment Law Handbook* or Sweet & Maxwell's, *Labour Relations Statutes and Materials*. Subject to confirmation by the examiners, candidates are allowed to take an unannotated copy of one of them into the examination.

Other important works which should be purchased if possible: Davies & Freedland, *Labour Law Text and Materials*; Kahn Freund, *Labour and the Law*; Bain & Lewis (Eds.), *Labour Law in Britain*.

**Supplementary Reading List:** Lewis & Simpson, *Striking a Balance? Employment Law after the 1980 Act*; Elias, Napier & Wallington, *Labour Law Cases and Materials*; Freedland, *The Contract of Employment*; Rideout, *Principles of Labour Law*; Grunfeld, *The Law of Redundancy*; Anderman, *The Law of Unfair Dismissal*.

**Examination Arrangements:** There is a three-hour formal examination in September based on the syllabus above. The paper normally contains 8 questions of which four are to be attempted.

**LL6111****Law of Management and Labour Relations**

**Teacher Responsible:** Professor Lord Wedderburn, Room A301, Ext. 390 (Secretary, Rosemary Maund, A304)

**Course Intended Primarily for** LL.M., Law Dept., and for M.Sc. students in Industrial Relations with adequate background knowledge. (LL.M. students should consider the advantages in studying this course together with LL225 *Individual Employment Law*).

**Scope:** This course examines British legal problems arising from collective relationships at the place of work, and the context of industrial relations in which such problems arise. The aim is to study both the legal and the industrial perspectives of such problems in depth.

**Syllabus:** (in outline) Management and recognition of unions; disclosure of information. Workers' rights and trade unions. Employers' associations. The role of state agencies. Collective bargaining and the law: Legal enforceability; "extension" procedures and collective agreements. Structure of corporate enterprise. Management and boards of directors; control and duties. "Industrial Democracy". Industrial discipline and industrial conflict: strikes, lockouts, etc. The closed shop and dismissal. Job-control; discrimination; industrial action and discipline of workers. The place of statutory and other legal regulation in industrial relations. Law and the labour market: training, incomes policy and job subsidies.

**Pre-Requisites:** This course is suitable primarily for students who have already studied British Labour Law or British industrial relations. Other graduate law students who have some knowledge of similar systems of law or labour relations may, however, find the course attractive provided they are willing to catch up on background reading before, or early in, the Michaelmas Term. Students who have no knowledge of either English law or British industrial relations will find this course demanding. Students who have inadequate up-to-date knowledge of British labour law should attend lectures in *Labour Law*, Course LL115 in the Michaelmas Term.

**Teaching Arrangements:** There is normally one 1½-hour seminar (LL224) each week which must be attended regularly. In some years visiting speakers address the seminar. Students should be prepared to discuss the class papers distributed before each seminar. From time to time they will be asked to make a written presentation.

**Reading List:** Students should buy and read either O. Kahn-Freund *Labour and the Law* or P. Davies and M. Freedland *Labour Law Text and Materials*; and either Butterworth's *Employment Law Handbook* or Sweet and Maxwell's *Labour Relations Statutes and Materials and Supplement* (plus any labour law statutes later in date than those source books). Other books: L. C. B. Gower, *Modern Company Law*,

K. W. Wedderburn, *The Worker and the Law*; The "Donovan Report" on *Trade Unions and Employers' Associations* (Cmnd. 3623); Wedderburn, Lewis and Clark, *Labour Law and Industrial Relations* (1983); E. Herman, *Corporate Power, Corporate Control*; Wedderburn and Murphy (Eds.), *Labour Law and the Community* (1983); A. Fox, *History and Heritage: The Social Origins of British Industrial Relations* (1985). Other sources will be recommended in the seminar papers.

**Examination Arrangements:** There is a three-hour written paper, taken in the period August-September. Normally this is in two parts and students are asked to answer questions in both parts. When answers are required to a certain number of questions, failure to answer that number may lead to failure in the subject, even if the answers offered are above the pass level.

**LL6112****Labour Law**

**Teacher Responsible:** Mr. R. C. Simpson, Room A461 (Secretary, Rosemary Maund, A304)

**Course Intended Primarily for** M.Sc. (Industrial Relations and Personnel Management).

**Scope:** The aim of the course is to examine the role of the law in British industrial relations. It is concentrated primarily on collective labour relations between trade unions and employers but includes some aspects of the individual labour relationship between each worker and his or her employer. Some reference is made to the role of the law in other systems of industrial relations.

**Syllabus:** The historical development of labour law. Trade unions organisational rights: legal status of trade unions; the individual right to organise and right to dissociate – the closed shop; time off work for union activities. Internal management of trade unions: admission and expulsion; union democracy; union political activities; inter-union relations. Collective bargaining and the law: union recognition; legal status of collective agreements; disclosure of information; "fair wages"; wages councils. Industrial democracy and worker participation. Legal regulation of strikes and other forms of industrial conflict; picketing; individual workers' rights; civil liabilities for organising industrial action. Aspects of individual employment rights: pay; discrimination on grounds of sex and race; unfair dismissal; redundancy.

**Pre-Requisites:** While any previous knowledge and/or experience of the law in industrial relations is an advantage it is NOT essential.

**Teaching Arrangements:**

Lectures: LL162 – *Elements of Labour Law* 20 Michaelmas and Lent Terms.

Seminars: Id115 – *Labour Law*

The lecture course is intended for students on a wide range of courses, none of which require any prior legal knowledge. It covers all the above syllabus and also some other aspects of individual employment law. Students with some previous knowledge or experience in particular may find it helpful to attend the more detailed lectures given under the heading LL115 *Labour Law* 40 Michaelmas and Lent Terms, but attendance at these lectures is not an essential part of the course.

The seminars will cover each topic of the course in detail. They form the core of the teaching of the course. Some joint sessions may be held with the Seminars LL222 *Law of Management and Labour Relations*, which are for postgraduate law students.

**Written Work:** There is no written work required during the course as such, but *Labour Law* is one of the subjects from which essay titles may be chosen as part of the M.Sc. Industrial Relations and Personnel Management course work requirements in the first two terms. Students will normally be required to present seminar papers during the course.

**Reading List:** Students are advised to purchase the following: Bain & Lewis (Eds.), *Labour Law in Britain*; Kahn-Freund, *Labour and the Law*. If possible, they should purchase, and if not they should consult regularly: Davies & Freedland, *Labour Law, Text and Materials*.

**Supplementary Reading List:** Lewis & Simpson, *Striking a Balance? Employment Law after the 1980 Act*; Elias, Napier & Wallington, *Labour Law, Cases and Materials*; Hepple & O'Higgins, *Employment Law*; Wedderburn, *The Worker and the Law*; Rideout, *Principles of Labour Law*; Grunfeld, *Modern Trade Union Law*; Kidner, *Trade Union Law*; Bain (Ed.), *Industrial Relations in Britain*; Brown (Ed.), *The Changing Contours of Industrial Relations*; Clegg, *The Changing System of Industrial Relations in Great Britain*. The "Donovan" Report of the Royal Commission on *Trade Unions and Employers' Associations*.

**Examination Arrangements:** There is a three-hour formal examination in the Summer Term based on the syllabus above. The paper contains 10-12 questions of which three are to be answered.

**LL6120****Comparative Criminal Law and Procedure**

**Teacher Responsible:** Professor L. H. Leigh, Room A541 (Secretary, Mrs. S. Hunt, A304)

**Course Intended Primarily for** LL.M. and may be taken by Diploma in Criminal Justice students with permission.

**Scope:** The aim of the course is to discuss problems in the criminal process via comparative law.

**Syllabus:** For the year 1985/86 it is expected that the following matters will be stressed: Theory of mens rea: Mistake; Necessity and duress; Parties to crime; problems of drink and drugs; Strict liability; Group liability; Mentally disordered offenders; murder, manslaughter, mercy killing; Self-defence, Sexual offences including rape; Violence in sport; Theft; Fraudulent trading; Fraud; Pre-trial criminal procedure; Comparative criminal procedure at trial; Plea bargaining; Double jeopardy; Committal proceedings.

**Pre-Requisites:** The only pre-requisite is admission to the LL.M. programme. The course is, however, not suitable for Diploma students who have no background in law.

**Teaching Arrangements:** This course is taught by 30 1½ hour seminars (LL210) in Michaelmas, Lent and

Summer Terms. Seminars are held at the Institute of Advanced Legal Studies.

**Written Work:** Students are not required to submit written work. It is however desirable that we do so and students are encouraged to prepare papers for seminar discussion. Verbal participation in seminars is obviously essential.

**Reading List:** The following is a minimal reading list – for a detailed list please see the annual handout for the course. Books marked with an asterisk should be purchased. The basic books are: G. L. Williams *Textbook of Criminal Law* (1983)\*; J. C. Smith, *The Law of Theft* (5th edn., 1984); L. H. Leigh, *The Control of Commercial Fraud* (1982); A. V. Sheehan, *Criminal Procedure in Scotland and France* (1976); J. Langbein, *Comparative Criminal Procedures: Germany* (1977); A. S. Goldstein, *The Passive Judiciary* (1981); L. H. Leigh & J. E. Hall Williams, *Denmark, Sweden and The Netherlands* (1982); C. Hampton, *Criminal Procedure* (3rd edn., 1982)\*; M. Zander, *The Police and Criminal Evidence Act 1984* (1985).

**Examination Arrangements:** This course is examined by a three hour paper in late August or early September. Ten questions are normally set of which four must be answered.

LL6121  
LL6126

### Theoretical Criminology

**Teacher Responsible:** Professor Hall Williams, Room A504 (Secretary, Jane Heginbotham, A371)

**Course Intended Primarily for LL.M.,** also available for Diploma in Criminal Justice.

**Scope:** This course is based on the previous Criminology course expanded to deal only with the theory of criminology leaving out the methods part and the specific crimes, which are translated to the new course on Applied Criminology. It is suitable for students taking the Diploma in Criminal Justice.

**Syllabus:** The origin and development of crime studies: the classical and positivist schools of criminology, and their relation to modern criminology. The contribution of anthropological studies to the explanation of crime. Genetic and other biological influences (including twin studies, chromosome studies). Psychoanalytical explanations of criminal behaviour. Psychological theories and criminal behaviour. Mental illness, subnormality, psychopathy and crime. Sociological influences: family factors, area influences, gang studies. Cultural and subcultural theories of crime. The influence of social class and economic factors. The interactionist approach, labelling theory and the social deviance perspective. Radical criminology. Female crime. The facts about crime as derived from official sources and self-report and victim studies. Prediction studies.

**Pre-Requisites:** Since this is a postgraduate course, an LL.B. or its equivalent.

**Teaching Arrangements:** A weekly seminar lasting one and a half hours in the Michaelmas, Lent and Summer Terms. In the Michaelmas Term Professor Hall Williams will present an outline of the subject in the first

hour, leaving time for discussion in the last half hour. In the Lent Term 3 seminars will be given by Mr. Freeman (Kings College) on **Psychological Theories** and 6 seminars will be given by another teacher on **Sociological Influences**. In the Summer Term Professor Hall Williams will resume charge of the seminars and there will be an opportunity for students to present papers: see below (written work).

**Lectures:** LL221 – 27 lectures Sessional beginning 12 Oct.

**Written Work:** Students will be encouraged in the second half of the course to prepare and present papers to the seminar. Copies of these papers will be supplied to the other students.

**Reading List:** J. E. Hall Williams, *Criminology and Criminal Justice* (1983); R. Hood & R. Sparks, *Key Issues in Criminology*, 1970; E. H. Sutherland & D. R. Cressey, *Criminology* (10th edn., 1978); D. J. West, *Delinquency, its Roots, Careers and Prospects* (1982); Taylor, Walton & Young, *The New Criminology* (1973).

**Supplementary Reading List:** will be given during the course.

**Examination Arrangements:** There will be one three-hour examination which will count for 100 per cent of the marks.

LL6122

### Applied Criminology

**Teacher Responsible:** Professor Hall Williams, Room A504 (who will act as Co-ordinator of the course) (Secretary, Jane Heginbotham, A371)

**Course Intended Primarily for LL.M.**

**Scope:** This course is on an inter-collegiate basis, dealing with research methods in criminology and reviewing the research which has been done on specific crimes. It is hoped to devote five seminars to research methods and the rest will be contributed by different teachers in the University of London.

#### Syllabus:

- Research Methods in Criminology:* Hypothesis development. Data Collection. Sampling and survey techniques. Data analysis. The use of computers in criminological research. Limitations and constraints.
- The Criminology of Specific Offences:* The types of offence, offenders and victims, including: Homicide, Violent crime (including street crime). Crimes of Dishonesty (including shoplifting). Crimes of Damage to Property (including arson and vandalism). Sexual crime (including rape, incest and offences against children). Occupational and business crime. Political crime. Organised crime. Road traffic offences. Alcohol and drug abuse in relation to crime.
- The Prevention of Crime:* The police and prevention. Neighbourhood controls. Public attitudes and values. Individual protection.

**Pre-Requisites:** Since this is a post-graduate course, an LL.B. or its equivalent.

**Teaching Arrangements:** A weekly seminar lasting one and a half hours in the Michaelmas, Lent and Summer Terms. The usual pattern is a lecture followed by discussion but this may vary, and there is scope for presentation of papers by students. The five methods

seminars will be given by invited teachers from other departments and Home Office research staff. The 'specific crimes' seminars will be given by different teachers according to their particular research interests. The teachers are drawn from the law faculties of King's College, University College, Queen Mary College, and LSE. All seminars will be held at the Institute of Advanced Legal Studies.

**Lectures:** LL222 – 25 Seminars Sessional, Thursday 1630–1800 IALS begin 14 Oct.

**Written Work:** Students may have an opportunity to prepare and present papers to the seminar. Copies of these papers will be supplied to the other students.

**Reading List:** will be supplied at the commencement of the course.

**Examination Arrangements:** There will be one three hour examination which will count for 100 per cent of the marks.

LL6124

### Sentencing and the Penal Process

**Teacher Responsible:** Dr. S. Saeed (University College London) will act as co-ordinator. At LSE, questions may be addressed to Professor Hall Williams, Room A504 (Secretary, Jane Heginbotham, A371)

**Course Intended Primarily for LL.M.,** also available for Diploma in Criminal Justice.

**Scope:** This course is taught on an inter-collegiate basis, and held at the Institute of Advanced Legal Studies, Russell Square. The sentencing part reviews the aims of punishment, the work of sentencers, and the information they receive in reports. There follows a review of the penal process including custodial measures such as prison and non-custodial measures available in England and Wales. Where possible comparative references are made but this is primarily a course on the English penal system.

#### Syllabus:

- Sentencing.* The aims of punishment for crime. The information for the sentencing court (including police antecedents reports, social inquiry reports and medical reports). Psychiatric evidence. Disparities in sentencing, the research findings. Remedies and techniques for improving the sentencing process. Training sentencers. Alternative sentencing structures. Selected issues in sentencing, including: life and long sentences; recidivism and the dangerous offender; exemplary sentences and deterrence; the mentally-disordered offender; the petty inadequate offender.

- The Penal Process.* History of the English prisons. Aims of the modern prison system. Organisation of prisons. The pressures on the prison system. Problems concerning accommodation, staff (including recruitment and training), classification of prisoners, and security. Employment of prisoners and pay or earnings. Education and training of prisoners. Welfare and leisure activities. Release procedures, including remission and parole. Prison disciplinary proceedings, the rights of prisoners and their protection under English law and the European Convention on Human Rights. The "Justice" model and the "Treatment" model. Evaluation of the effectiveness of prison. The provisions concerning the custody of young adult offenders.

- Non-Custodial Measures.* Probation, including both "traditional" probation and new developments involving the probation and after-care service. Community service orders. Other alternatives to prison: The suspended sentence. The fine. Absolute and conditional discharges. Bind-overs. Restitution and compensation. "Diversion" schemes. Voluntary hostels and after-care schemes.

- Crime Prevention.* The police and public attitudes towards crime. The relation of research to criminal policy.

**Pre-Requisites:** Since this is a post-graduate course, an LL.B. or its equivalent.

**Teaching Arrangements:** A weekly seminar lasting one and a half hours, which usually takes the form of a lecture by the teacher concerned followed by discussion, though the pattern may vary. Individual teachers drawn from the law faculties of the University of London will each contribute according to their fields of interest and research. Seminars: LL223 26 Sessional, Wednesdays 16.30–18.00 IALS, begin Oct.

**Written Work:** Students may have an opportunity to prepare and present papers to the seminar. Copies of these papers will be supplied to the other students.

**Reading List:** R. Cross, *The English Sentencing System* (3rd edn. 1975); N. Walker, *Sentencing in a Rational Society*, 1969; Nigel Walker, *Sentencing Theory, Law and Practice*, 1985; A. Ashworth, *Sentencing and Penal Policy*, 1983; D. A. Thomas, *Principles of Sentencing* (2nd edn., 1979); R. Cross, *Punishment, Prison and the Public*, 1971; Baldwin & Bottomley, *Criminal Justice, Selected Readings*, 1970; J. E. Hall Williams, *The English Penal System in Transition*, 1970; *Changing Prisons*, 1975; *Criminology and Criminal Justice*, 1982; Home Office, Prisons and the Prisoner, H.M.S.O., 1977; N. Tutt (Ed.), *Alternative Strategies for Coping with Crime*, 1978; S. Stanley and M. Baginsky, *Alternatives to Custody*, 1984; The Sentence of the Court, H.M.S.O.; Powers of Criminal Courts Act, 1973; Annual Reports of the Prison Department, Home Office; Annual Reports of the Parole Board, Home Office; Home Office Research Unit Publications; Reports of the Advisory Council on the Penal System; House of Commons, Home Affairs Committee, Fourth Report, 1980.

**Supplementary Reading List:** will be given during the course.

**Examination Arrangements:** There will be one three-hour examination which will count for 100 per cent of the marks.

LL6126

### Theoretical Criminology

See LL6121

LL6140

### Carriage of Goods By Sea

**Teacher Responsible:** Professor A. L. Diamond, Room A501 (Secretary, Colleen Etheridge, A502)

**Course Intended Primarily for LL.M.**

**Scope:** The law of carriage of goods by sea under bills of lading or charter-parties.



*Territories*; S. A. de Smith, *Microstates and Micronesia*; Sir Kenneth Wheare, *Federal Government*; G. Sawer, *Modern Federalism*; L. Wolf-Phillips, *Comparative Constitutions*; *Constitutional Legitimacy: A Study of the Doctrine of Necessity*. A. P. Blaustein and G. Flanz, *Constitutions of the Countries of the World* (Library call-mark K3157 A3.B64) is a multi volume work which is constantly updated; it is the most authoritative and comprehensive reference source as to world constitutional texts together with chronological introductions and bibliographies for each country.

**Examination Arrangements:** This course is examined by a three-hour paper in late August or early September.

### LL6156

#### Public Interest Law

**Teachers Responsible:** Dr. Carol Harlow, Room A463 and Mr. Richard Rawlings, Room A356 (Secretaries, Jane Heginbotham, A371 and Susan Hunt, A304)

**Course Intended Primarily for LLM.**

**Scope:** The emphasis is on the use of litigation and 'public advocacy' (e.g. lobbying by representation) to advance the cause of interest groups and/or 'the public interest'. We focus in particular on the procedures and institutions, both legal and political, by which access to the decision-making process may be achieved. Materials from social and political science will be used.

#### Syllabus:

##### A. Legal Action and the Administrative Process

(a) Introductory: students will be expected to have an understanding of the main methods of recourse to courts, including Order 53 procedure, and the remedies available.

(b) facilitating legal action:

(i) legal aid and advice

(ii) the law centre movement;

(iii) para-legal advice (e.g. Citizens' Advice Bureaux);

(iv) tribunal representation and advocacy.

(c) substitutes for individual action:

(i) the class and representative actions;

(ii) the relator action (see below) and local authority actions;

(iii) test case strategy (with particular reference to welfare law and prisoners' rights).

##### B. Access to the Political Systems

(a) The constituency MP: grievances and interest representation (with special reference to immigration and social assistance).

(b) The central government department; grievances and interest representation.

##### C. Access to Official Information

(a) Parliamentary techniques (questions, Select Committees, debates etc.).

(b) The ombudsman as 'a window on administration'.

(c) Litigation: discovery of documents, public interest immunity and contempt of court.

(d) 'Freedom of Information' legislation, Data Protection and the Official Secrets Acts.

##### D. Public Advocacy

(a) The office of Attorney-General and other public interest representation.

(b) Semi-autonomous agencies; extended case studies will be made of institutions such as:

(i) The Commission for Racial Equality

(ii) The Equal Opportunities Commission

(iii) The Supplementary Benefits Commission and the Social Security Advisory Committee.

(iv) United Kingdom Immigrants Advisory Service.

##### E. Interest Groups

Composition of activities; case studies will be made of areas of activity such as:

(i) environmental protection;

(ii) immigration control;

(iii) welfare and housing;

(iv) civil liberties and the legal process.

##### F. Extra-Judicial Redress of Grievance

Comparison will be made of the following complaints systems, with special reference to negotiation, conciliation and interest representation; adversarial and inquisitorial procedure; and stimulation of administrative grievance procedure.

(a) Ombudsman techniques

(i) the Parliamentary Commissioner for Administration.

(ii) The Commission for Local Administration.

(iii) The Health Service Commissioner.

(b) The Police complaints system

(c) Complaints about:

(i) the legal process;

(ii) the nationalised industries;

(iii) the National Health Service.

**Pre-Requisites:** Some knowledge of a common law system of administrative law will be helpful but not essential.

**Teaching Arrangements:** There will be 30 two-hour seminars meeting weekly (time and place to be arranged) and the subject will be examined by a 3-hour examination at the end of the year. There will be the opportunity to contribute papers and to develop research interests through the year.

**Reading List:** The proposed course book will be Harlow & Rawlings, *Law and Administration* (1984). Much of the reading will be from the extensive periodical and pamphlet literature. More detailed reading lists on specific topics will be issued from time to time. A study guide is filed in the LSE library.

### LL6176

#### Soviet, East European and Mongolian Law

**Teachers Responsible:** Jointly Professor I. Lapenna, L.S.E. Room K300 (Secretary, Mrs. Pam Hodges, A369) and Professor W. E. Butler (U.C.).

**Course Intended Primarily for LLM.**

**Scope:** The aim of the course is to provide students with a wider and deeper knowledge of the so-called "socialist" legal systems of the U.S.S.R., East-European countries and Mongolia.

**Syllabus:** General introduction for all students: history; source materials: Marxist and Leninist theories of State and law; concept of ownership; constitutional framework; role of the Communist Party; judicial system; the legal profession; system.

Special subjects: A study of two of the following subjects:

(a) History of Marxist Legal Thought,

(b) Theories on Legal History,

(c) Criminal Law and Procedure,

(d) Constitutional and Administrative Law,

(e) Economic Law,

(f) Labour Law,

(g) Family Law,

(h) Natural Resources and Environment Law,

(i) Collective Farm (*Kolkhoz*) Law,

(j) Criminology and Correctional Labour Law,

(k) Socialist and Economic Integration,

(l) Soviet and East European Attitudes

Toward Public International Law.

The special subjects available will be announced at the beginning of the academic year. The emphasis is between Soviet and East European or Mongolian law in each option is at the discretion of the teachers.

**Pre-Requisites:** Knowledge of Russian or East European languages is not required, but students are expected to familiarise themselves with some technical legal terms in these languages.

**Teaching Arrangements:** One seminar (LL211) of 1½ hours per week, Sessional (**Professor Lapenna** or **Professor Butler**)

**Written Work:** 3 essays of about 3,000 words each, one relating to the general introduction, and two others to questions dealt with in the two chosen options. **Professor Lapenna** and **Professor Butler** are responsible for setting, marking and discussing the essays in their respective parts of the course.

**Reading List:** (a) **Bibliography:** W. E. Butler (Ed.), *Russian and Soviet Law: Writings on Soviet Law and Soviet International Law*; P. S. Romashkin (Ed.), *Literature on Soviet Law*.

(b) **Books:** H. Babb (trans), *Soviet Legal Philosophy*; D. D. Barry & Ors. (Ed.), *Soviet Law After Stalin*, Vol. I-III; W. E. Butler, *Soviet Law*; H. J. Berman, *Justice in the U.S.S.R.*; O. Bihari, *Socialist Representative Institutions*; M. Cain & A. Hunt, *Marx and Engels on Law*; K. Grzybowski, *Soviet Legal Institutions*; J. N. Hazard, *Communists and their Law*; M. Jaworskyj, *Soviet Political Thought: An Anthology*; H. Kelsen, *The Communist Theory of Law*; I. Kovacs, *New Elements in the Evolution of Socialist Constitutions*; I. Lapenna, *State and Law: Soviet and Yugoslav Theory; Marxism and the Soviet Constitutions; Soviet Penal Policy*.

(c) **Casebooks:** J. N. Hazard & Others (Eds.), *The Soviet Legal System*; Z. Zile, *Ideas and Forces in Soviet Legal History*.

(d) **Journals and periodicals:** *Law in Eastern Europe*, *Osteuropa Recht*, *Review of Socialist Law*, *Soviet Law and Government*, *Soviet Statutes and Decisions*.

**Supplementary Reading List:** Further reading will be assigned for students taking options (a) to (l).

**Examination Arrangements:** A three hour written examination in September based on the general introduction and the two options chosen by students. The paper consists of one section (four questions) related to the General Introduction of the course (Section A), and as many other sections (two questions in each) as there are options among (b) and (l) above, which have been taught during the academic year. Candidates are required to answer four questions: two from Section A (General) and one each from two of the remaining sections. One quarter of the marks are awarded for each of the four answers. Copies of previous years papers are available.

## PHILOSOPHY, LOGIC AND SCIENTIFIC METHOD

*This section is in two parts. The first part lists the lectures and seminars given by the department. The list provides a cross reference to the Study Guide(s) in which the syllabus and the reading list associated with the lecture or seminar can be found. The second part contains the Study Guides, presented in Study Guide number sequence.*

### Lectures and Seminars

Lecture/ Seminar Number		Study Guide Number
Ph100	<b>Introduction to Scientific Method</b> Dr. P. Urbach and Dr. D. Ruben	25/MLS Ph5210; Ph6200; Ph6208
Ph102	<b>Scientific Method</b> Dr. P. Urbach	10/M Ph5230; Ph6200
Ph103	<b>Social Philosophy</b> Dr. D. Ruben	40/MLS Ph5250; Ph6250
Ph104	<b>Methodology of the Social Sciences</b> Dr. P. Urbach	10/L Ph5230; Ph6208
Ph105	<b>Philosophy of Economics</b> Mr. K. Klappholz, Dr. P. Urbach and Dr. M. Perlman	16/LS Ph5320; Ph6208
Ph106	<b>History of Modern Philosophy: Bacon to Hume</b> Dr. D. Ruben, Dr. C. Howson and Professor J. Watkins	25/MLS Ph5300; Ph6204
Ph107	<b>Kant</b> Professor J. Watkins	8/M Ph5300; Ph6204; Ph6205
Ph109	<b>The Rise of Modern Science</b> Dr. J. Worrall	25/MLS Ph5240; Ph6207
Ph112	<b>Introduction to Logic</b> Dr. J. Worrall	25/MLS Ph5200
Ph113	<b>Philosophy of the Social Sciences</b> Dr. D. Ruben	10/M Ph6208
Ph114	<b>Introduction to Mathematical Logic</b> Dr. C. Howson	25/MLS Ph5201; Ph5220; Ph6201; Ph6203
Ph115	<b>Mathematical Logic: Incompleteness and Undecidability</b> Dr. C. Howson	20/ML Ph5221; Ph5222; Ph6202

Lecture/ Seminar Number		Study Guide Number
Ph116	<b>Philosophy of Mathematics</b> Dr. J. Worrall	10/M Ph5220; Ph5315; Ph6201; Ph6203; Ph6206
Ph117	<b>Problems of Metaphysics</b> Professor J. Watkins	20/ML Ph5310
Ph118	<b>Theories of Probability</b> Dr. C. Howson	25/MLS Ph5223; Ph6200; Ph6210
Ph120	<b>Philosophy and Scientific Method — Seminar</b> Professor J. Watkins and others	30/MLS Ph6200
Ph122	<b>Scientific Method — Seminar</b> Professor J. Watkins	20/ML Ph6200
Ph123	<b>History and Philosophy of Science and Mathematics — Seminar</b> Dr. J. Worrall and Dr. H. Fields	20/MLS Ph6207
Ph124	<b>Philosophy of the Social Sciences — Seminar</b> Dr. P. Urbach and Dr. M. Perlman	20/ML Ph5320; Ph6208
Ph128	<b>Philosophy of Mathematics — Seminar</b> Dr. J. Worrall	10/ML Ph5220; Ph5315; Ph6206
Ph129	<b>Social Philosophy — Seminar</b> Dr. D. Ruben	25/MLS Ph6250
Ph130	<b>Problems of Metaphysics — Seminar</b> Professor J. Watkins	16/ML Ph5310

**Study Guides****Introduction to Logic**

**Teacher Responsible:** Dr. John Worrall, Room A211 (Secretary, A214)

**Course Intended Primarily for** B.Sc. (Econ.) Parts I and II; B.Sc. c.u. main fields Soc. Psych., Soc.; M.Sc. Logic and Sci. Meth.; M.Sc. Soc. Phil.; Dip. Logic and Sci. Meth.; Dip. Soc. Phil.

**Scope:** The aim of the course is to teach the student to recognise and formulate correct arguments or inferences from given assumptions.

**Syllabus: A:** The importance and scope of clear, deductive reasoning. The main problem of logic: which inferences or deductions are 'correct' or valid? The related problems of which sets of assumptions are consistent and of which sentences are logically true ('true in all possible worlds'). Truth-functional logic: a restricted system in which many intuitive inferences can be formally expressed and a decision about their validity arrived at via a finite decision procedure.

**B:** First-order predicate logic: a system in which the overwhelming majority of inferences both from ordinary discourse and from mathematics and science are adequately representable; rules of proof for first-order logic and proofs of validity; the method of interpretation: invalidity of inference, consistency and independence; first-order logical truth and falsity. First-order logic with equality.

**C:** Informal arguments: how formal logic helps in the analysis of these; articulating 'hidden assumptions' and detecting fallacies. A brief account of some problems in the foundations of logic including the 'paradoxes' of set theory and of truth. Logic and the foundations of mathematics: the power and limitations of the axiomatic method; completeness, incompleteness and undecidability.

**Pre-Requisites:** None. Prospective students should not be afraid of symbolic reasoning but no formal mathematical background is presupposed.

**Teaching Arrangements:** There will be 25 lectures (Ph112) and weekly classes (Ph112a). Problem sheets will be handed out in the lectures and students will be expected to complete the exercises and discuss them in the class.

**Reading List:** Patrick Shaw, *Logic and its Limits*. (This is a useful introductory book but does not begin to cover the syllabus). There are various text books, which do cover sections A and B of the syllabus. The most helpful of which is: P. Suppes, *Introduction to Logic*. **Background Reading:** R. Smullyan, *What's the Name of this Book?*; E. Nagel & J. R. Newman, *Gödel's Proof*.

A full set of lecture notes will be distributed.

**Examination Arrangements:** The examination paper will contain about 12 questions arranged in three sections corresponding to the three parts of the syllabus. Section A: truth-functional logic. Section B: first order predicate logic. Section C: general questions on the foundations and applications of logic. Candidates are required to answer five questions, AT LEAST ONE question from each section and no more than two from Section A.

**Ph5200****Introduction to Mathematical Logic**

**Teacher Responsible:** Dr. C. Howson, Room A209 (Secretary, A214)

**Course Intended Primarily for** B.Sc. (Econ.) Part II; B.Sc. c.u. main fields Maths., Stats., Comp., Act. Sci., Maths. and Phil.; M.Sc. Logic and Sci. Method; M.Sc. Soc. Phil.; Dip. Logic and Sci. Method; Dip. Soc. Phil.

**Syllabus:** Propositional logic (the theory of negation, 'and', 'or', 'if... then' and truth-functions generally). Predicate languages of first order. Axiomatisation of first-order validity. Interpretations and models.

**Pre-Requisites:** None.

**Teaching Arrangements:** One one-hour lecture (Ph114), *Introduction to Mathematical Logic*, per week during the Michaelmas and Lent Terms and for the first five weeks of the Summer Term, combined with one one-hour class (Ph114a) per week during the Michaelmas and Lent Terms. Exercises will be regularly distributed and worked through in the classes.

**Reading List:** A complete set of lecture notes will be distributed. For auxiliary reading E. Mendelson, *Introduction to Mathematical Logic*. Chapters 1 and 2 will be useful.

**Examination Arrangements:** One three-hour paper of ten questions, of which four must be completed correctly to obtain full marks. Copies of previous examination papers are available from the cupboards in the corridor outside Room A214.

**Ph5210****Introduction to Scientific Method**

**Teacher Responsible:** Dr. P. Urbach, Room A208 (Secretary, A214)

**Course Intended Primarily for** B.Sc. (Econ.) Part I, B.Sc. Course Unit 500/5210 B.Sc. (Econ.) Part II (for students not specialising in Philosophy).

**Scope:** A study of the general features of scientific reasoning both in the physical and human sciences. The aim of the course is to consider the problems of evaluating claims that certain conclusions (that the earth moves, that light consists of photons, that smoking causes cancer, that environmental factors are the main determinants of IQ scores, etc. etc.) are scientifically justified.

**Syllabus: I:** A general introduction to scientific reasoning and its importance. A basic introduction to valid deductive reasoning: drawing consequences from assumptions.

**II:** The structure of fundamental scientific theories. Principles governing the confirmation of a scientific theory: some fallacies of theory testing.

**III:** Can we explain human action in the same way in which we explain natural events? Prediction and self-prediction. Are social wholes reducible to the individuals who compose them? Can large scale social phenomena be explained in terms of individuals?

**Pre-Requisites:** None. In particular, the treatments of logic, of the scientific examples and of statistics and probability are elementary and self-contained.

**Teaching Arrangements:** There is one lecture course (Ph100) consisting of 15 lectures on sections I and II

**Ph5201**

(Dr. Urbach) and 10 lectures on section III of the syllabus (Dr. Ruben) and an associated series of classes (Ph100a).

**Written Work:** Question-sheets will be handed out at the lectures; students will be expected to prepare written answers and discuss their answers in class. There will also be the opportunity for more general discussion in class.

**Reading List:** No one book covers the whole syllabus. Detailed notes will be distributed to cover various sections of the course.

**Recommended Further Reading List:** S. Campbell, *Flaws and Fallacies in Statistical Thinking*; M. Gardner, *Fads and Fallacies in the Name of Science*; I. Hacking, *The Logic of Statistical Inference*; D. Huff, *How to Lie with Statistics*; P. Kitcher, *Abusing Science*; C. G. Hempel, *Philosophy of Natural Science*; T. S. Kuhn, *The Structure of Scientific Revolutions*; I. Lakatos, 'The Methodology of Scientific Research Programmes' (*Philosophical Papers*, Vol. I); K. R. Popper, *Conjectures and Refutations*; J. Randi, *Flim Flam*; John O'Neill (Ed.), *Modes of Individualism and Collectivism*; Michael Lesnoff, *The Structure of Social Science*; Anthony Flew, *Thinking About Social Science*; Roger Trigg, *Understanding Social Science*.

**Examination Arrangements:** Assessment for both Part I and Part II candidates is entirely based on a three-hour formal examination in the Summer Term.

**Ph5220  
Ph6021****Logic**

**Teacher Responsible:** Dr. C. Howson, Room A209 (Secretary, A214)

**Course Intended Primarily for** B.Sc. (Econ.) Part II Philosophy; B.Sc. c.u. main field Chem. and Phil.; M.Sc. Logic and Sci. Method; M.Sc. Soc. Phil.; Dip. Logic and Sci. Method; Dip. Soc. Phil.

**Syllabus:** Propositional logic (the theory of negation, 'and', 'or', 'if... then' and truth-functions generally). Predicate languages of first order. Axiomatisation of first-order validity. Interpretations and models.

**Pre-Requisites:** None.

**Teaching Arrangements:** One one-hour lecture (Ph114), *Introduction to Mathematical Logic*, per week during the Michaelmas and Lent Terms and for the first five weeks of the Summer Term, combined with one one-hour class (Ph114a) per week during the Michaelmas and Lent Terms. Exercises will be regularly distributed and worked through in the classes. The lecture course Ph116 and the Seminar Ph128 are also relevant.

**Reading List:** A complete set of lecture notes will be distributed. For auxiliary reading E. Mendelson, *Introduction to Mathematical Logic*. Chapters 1 and 2 will be useful.

**Examination Arrangements:** One three-hour paper of about ten questions, of which four must be completed to obtain full marks. Copies of previous examination papers are available from the cupboards in the corridor outside Room A214.

**Ph5221  
Ph6202****Mathematical Logic**

**Teacher Responsible:** Dr. C. Howson, Room A209 (Secretary, A214)

**Course Intended Primarily for** B.Sc. (Econ.) Part II Philosophy; M.Sc. Logic and Sci. Method; Dip. Logic and Sci. Method.

**Syllabus:** The Completeness Theorem for first order logic. Proofs of Gödel's Incompleteness Theorems. Church's Theorem, Tarski's Theorem. Arithmetisation. The notion of a computable function from sequences of natural numbers into natural numbers and various equivalent characterisations. Elements of recursive function theory.

**Pre-Requisites:** The student will be expected to have a knowledge of predicate calculus up to the standard of an introductory course.

**Teaching Arrangements:** One two-hour lecture (Ph115) per week during the Michaelmas and Lent Terms, combined with one one-hour class (Ph115a) during these Terms. Exercises will be distributed regularly and worked through in class.

**Reading List:** A complete set of lecture notes will be distributed.

**Supplementary Reading List:** E. Mendelson, *Introduction to Mathematical Logic*; Bell & Machover, *A Course in Mathematical Logic* Chs. 6, 7; S. C. Kleene, *Introduction to Metamathematics*; Boolos & Jeffrey, *Computability and Logic*. Other good modern texts are many, some of which will be referred to during the course.

**Examination Arrangements:** One three-hour paper of about ten questions, of which four must be correctly completed to obtain full marks. Copies of previous examination papers are available from the cupboards in the corridor outside Room A214.

**Ph5222****Incompleteness and Undecidability**

**Teacher Responsible:** Dr. C. Howson, Room A209 (Secretary, A214)

**Course Intended Primarily for** B.Sc. (Econ.) Part II; B.Sc. c.u. main fields Maths., Stats., Comp., Act. Sci., Maths. and Phil., Maths. and Chem.

**Syllabus:** The Completeness Theorem for first order Logic. Proofs of Gödel's Incompleteness Theorems, Church's Theorem, Tarski's Theorem. The Completeness Theorem for first order logic. Arithmetisation. The notion of a computable function from sequences of natural numbers into natural numbers and various equivalent characterisations. Elements of recursive function theory.

**Pre-Requisites:** The student will be expected to have a knowledge of predicate calculus up to the standard of an introductory course.

**Teaching Arrangements:** One two-hour lecture (Ph115) per week during the Michaelmas and Lent Terms, combined with one one-hour class (Ph115a) during these Terms. Exercises will be distributed regularly and worked through in class.

**Reading List:** A complete set of lecture notes will be distributed.









Ph125 **Metaphysics and Epistemology** (Dr. Zahar and Dr. Fields).

Ph131 **Logic and Metaphysics** (Dr. Currie).

**Examination Arrangements:** Assessment is based entirely on a three-hour formal examination near the end of the Summer Term. The examination paper lists a variety of topics and requires the candidates to write essays on three of these. Candidates should begin their answers by clearly specifying the question they are addressing.

**Ph6206**

**Philosophy of Mathematics**  
See Ph5315

**Ph6207**

**Growth of Modern Science**

**Teacher Responsible:** Dr. J. Worrall, Room A211 (Secretary, A214)

**Course Intended Primarily for** M.Sc. in Logic and Scientific Method.

**Scope:** The main object of this course is to trace the development of Mechanics and Astronomy from the early Renaissance to the beginning of the 18th Century; or, equivalently, from Ptolemy to Newton. It is highly selective history, the selection being carried out in terms of philosophical relevance. In the case of certain scientists like Kepler and Newton a modern simplified account of their theories is given before looking into the historical origins of these theories and the way they gradually evolved. Superfluous technicalities are avoided, some mathematics is needed for the latter part of the course. The required mathematical machinery will be developed within the course, which is therefore relatively self-contained. For 1985-86 only, there will also be a detailed study of the development of theories of light from Newton to the mid-19th Century.

**Syllabus:** (1) The Scientific Revolution which started with Copernicus and culminated with Galileo, Kepler, Descartes and Newton.

(2) A brief account of the discovery of the Calculus.

(3) The philosophical aftermath of the emergence of Newtonian science, in particular Kant's Mach's and Poincaré's respective appraisals of Newtonian dynamics.

(4) The early 19th Century revolution in optics, when the Newtonian, corpuscular theory was replaced by the wave theory.

**Pre-Requisites:** Mathematics 'O' Level and some acquaintance with the Calculus would help towards an understanding of the course, but are not absolutely necessary.

**Teaching Arrangements:** Twenty-five lectures (Ph109) and a weekly class (Ph109a) during the Michaelmas and Lent Terms, and the seminar Ph123.

**Written Work:** Students are given a list of possible topics and will be expected to present a minimum of two class papers per term.

**Reading List:** G. Holton & D. H. D. Roller, *Foundations of Modern Physical Science*; C. Howson (Ed.), *Method and Appraisal in the Physical Sciences*;

I. B. Cohen, *The Birth of a New Physics*; T. S. Kuhn, *The Copernican Revolution*; S. Westfall, *Never at Rest*; A. I. Sabra, *Theories of Light from Descartes to Newton*; R. Palter (Ed.), *The Annus Mirabilis of Sir Isaac Newton, 1666*; A. Koyre, *Newtonian Studies*; *From the Closed World to the Infinite Universe*; E. A. Burt, *The Metaphysical Foundations of Modern Physical Science*; A. Einstein & L. Infeld, *The Evolution of Physics*; H. Butterfield, *The Origins of Modern Science*; M. Caspar, *Kepler*; A. Koestler, *The Sleepwalkers*; S. Toulmin & J. Goodfield, *The Fabric of the Heavens*; *The Architecture of Matter*; *The Discovery of Time*; C. Boyer, *The Concept of the Calculus*; S. Drake (Ed.), *Discoveries and Opinions of Galileo*; Galileo, *Dialogue Concerning the Two Chief World Systems*; E. Meyerson, *Identity and Reality*; O. Toeplitz, *The Calculus*; G. Cantor, *Optics after Newton*.

**Examination Arrangements:** Three-hour formal examination in the Summer Term. About fifteen questions of which three should be answered. Copies of previous examination papers are available from the cupboards in the corridor outside Room A214.

**Ph6208**

**Philosophy of the Social Sciences**

**Teacher Responsible:** Dr. P. Urbach, Room A208 (Secretary, A214)

**Course Intended Primarily for** M.Sc. in Logic and Scientific Method, M.Sc. in Social Philosophy.

**Scope:** Methodological problems arising in the social sciences.

**Syllabus:** Is there a unit of method between the social sciences and the natural sciences? Self-fulfilling and self-defeating predictions; value-freedom. The problem of interpersonal comparisons. Historicism, holism, and methodological individualism. The rationality-assumption (the Minimax rule, maximising expected utility, satisficing, etc.). Historical explanation. Functional explanation. The alleged need for unrealistic but predictively fruitful assumptions in economics. The scientific status of psychological theories (e.g. Psycho-analysis). The innateness hypothesis in linguistics. Other topics, determined by the interests of students, are also dealt with in the context of the seminar (Ph124).

**Pre-Requisites:** None.

**Teaching Arrangements:** Primarily the **Philosophy of the Social Sciences**, Seminar (Ph124), Michaelmas and Lent Terms, given in alternate years by Dr. Urbach (Room A208) and Dr. Perlman (Room S675) and by Dr. Ruben (Room A212) and Mr. Klappholz (Room S88) (1986-87). Students must attend this. There are also the following lecture courses (the first two ought to be attended, the others are optional): Ph113 **Philosophy of the Social Sciences** 10 Michaelmas Term Dr. Ruben; Ph104 **Methodology of the Social Sciences**, 10 Lent Term, Dr. Urbach; Ph105 **Philosophy of Economics**, 16 Lent and Summer Terms, Mr. Klappholz, Dr. Perlman, Dr. Urbach; Ph100 **Introduction to Scientific Method**, 25 Sessional, Dr. Urbach and Dr. Ruben. Dr. Ruben gives 10 lectures on the **Philosophy of Social Sciences** starting half way through the Lent Term.

**Written Work:** Students are required to attend the Seminar and to give papers at it.

**Reading List:** L. C. Robbins, *The Nature and Significance of Economic Science*; Milton Friedman, *Essays in Positive Economics*, Chap. 1; R. G. Collingwood, *The Idea of History*; F. A. Hayek, *The Counter-Revolution of Science*; K. R. Popper, *The Poverty of Historicism*; H. A. Simon, *Models of Man*; J. C. Harsanyi, *Rational Behaviour and Bargaining Equilibrium*; T. C. Schelling, *The Strategy of Conflict*; N. Chomsky, *Cartesian Linguistics*.

**Supplementary Reading List:** Some useful anthologies: May Brodbeck (Ed.), *Readings in the Philosophy of the Social Sciences*; R. Borger and F. Cioffi (Eds.), *Explanation in the Behavioural Sciences*; W. A. Robson (Ed.), *Man and the Social Sciences*; Edwards and Tversky (Eds.), *Decision Making*; Patrick Gardiner (Ed.), *Theories of History*; F. Hahn and M. Hollis (Eds.), *Philosophy and Economic Theory*.

**Examination Arrangements:** Assessment is entirely based on a three-hour formal examination near the end

of the Summer Term. The examination paper merely lists a wide variety of topics and requires candidates to write essays on three of them. It is left to the candidate to set himself a good question, and he should begin each essay by stating clearly the question to which he will address himself. Because the examination takes this form, a higher standard is demanded than would otherwise be the case. Copies of previous examination papers are available from the cupboards in the corridor outside Room A214.

**Ph6210**

**Theories of Probability**  
See Ph5223

**Ph6250**

**Social Philosophy**  
See Ph5250

**POPULATION STUDIES**

*This section is in two parts. The first part lists the lectures and seminars given by the department. The list provides a cross reference to the Study Guide(s) in which the syllabus and the reading list associated with the lecture or seminar can be found. The second part contains the Study Guides, presented in Study Guide number sequence.*

**Lectures and Seminars**

<i>Lecture/ Seminar Number</i>			<i>Study Guide Number</i>
Pn100	<b>Population, Economy and Society</b> Dr. C. Wilson	24/MLS	Pn7100
Pn101	<b>Demographic Description and Analysis</b> Mr. C. M. Langford and Professor J. N. Hobcraft	20/ML	Pn7120
Pn102	<b>The Population History of England</b> (Not available 1985-86) Professor E. A. Wrigley	24/MLS	Pn7121; Pn8102
Pn103	<b>The Demographic Transition and the Western World Today</b> Dr. C. Wilson	24/LS	Pn7122; Pn8102
Pn104	<b>Third World Demography</b> Mr. T. Dyson	24/MLS	Pn7123; Pn8102
Pn105	<b>Migration</b> Mr. M. J. Murphy and Mr. T. Dyson	24/MLS	Pn7124; Pn8102
Pn106	<b>Family Composition in Developed and Developing Countries</b> Mr. M. J. Murphy and Mr. T. Dyson	24/MLS	Pn7125; Pn8102
Pn107	<b>Mathematical and Statistical Demography</b> Mr. M. J. Murphy	13/LS	Pn7126
Pn108	<b>Applied Population Analysis</b> Professor J. Hobcraft	15/ML	Pn7127
Pn150	<b>Social and Economic Demography</b> Mr. C. M. Langford	10/M	Pn8102
Pn151	<b>The Analysis of Fertility and Mortality</b> Mr. C. M. Langford and Professor J. N. Hobcraft	20/M	Pn8100; Pn8110
Pn152	<b>Population Dynamics and Projections</b> Professor Brass	15/LS	Pn8100
Pn153	<b>The Collection of Demographic Data</b> Mr. T. Dyson	10/M	Pn8101; Pn8110
Pn154	<b>Demographic Sampling and Survey Design</b> Mr. M. J. Murphy	5/L	Pn8101
Pn155	<b>Indirect Demographic Estimation</b> Professor Brass	10/L	Pn8100; Pn8110; Pn8101

<i>Lecture/ Seminar Number</i>			<i>Study Guide Number</i>
Pn156	<b>The Analysis of Demographic Event Histories</b> Professor J. Hobcraft	10/L	Pn8100; Pn8101; Pn8110
Pn157	<b>Evaluation of Family Planning Programmes</b> Mr. T. Dyson	5/S	Pn8101
Pn158	<b>Sources and Techniques of Historical Demography</b> Dr. C. Wilson	5/S	Pn8101
Pn159	<b>Computing for Demographers — Class</b> Dr. C. Wilson	10/L	Pn159
Pn160	<b>Social Demography — Graduate Class</b> Mr. C. M. Langford	15/S	Pn8102
Pn161	<b>Fertility and Mortality in their Socio-Economic Context — Seminar</b> Mr. C. M. Langford	19/ML	Pn8102; Pn8110

**Study Guides****Pn159****Computing for Demographers**

**Teacher Responsible:** Chris Wilson, Room A326 (Secretary, A337)

**Course Intended Primarily for** M.Sc. Demography.  
**Scope:** The course is a practical introduction to computing for statistical and demographic analysis. It does not presume any prior familiarity with computers. It includes: the use of computers in general; input and output of data; operating systems and editors; the use of interactive statistical packages and the interpretation of results; and the use of programs for indirect demographic estimation. For half of the course, students will be undertaking practical projects, and the other half will be concerned with discussion and interpretation.

**Teaching Arrangements:** Pn159 10 Lent Term.

**Pn7100****Population, Economy and Society**

**Teacher Responsible:** Chris Wilson, Room A326 (Secretary, Mrs. Doreen Castle, A339)

**Course Intended Primarily for** B.Sc. (Econ.) Part I and Course Unit. The paper assumes no previous knowledge of the subject. It is one of the Group VI papers in Part I of the B.Sc. (Econ.) and is a suitable general introduction to population studies. It can also be taken as an outside option in Part II of the B.Sc. (Econ.) or as a Course Unit option (in any year).

**Scope:** The paper deals with the inter-relationship between the demographic characteristics of a society (its fertility, mortality and nuptiality) and the economic and social context within which the characteristics develop and are maintained. It concentrates especially on the contrasts between traditional and industrialised societies.

**Syllabus:** Topics covered include: general models of population behaviour in pre-industrial societies; the relationship between population size and available resources; the nature and relative importance of economic, social and biological influences on population growth rates; the special character of pre-industrial western Europe; pre-industrial familial forms and functions; the disappearance of old patterns in the course of industrialisation; the demographic transition; the changing balance of social and individual control of fertility; characteristics of the modern family; the interpretation of fertility fluctuations in the recent past.  
**Teaching Arrangements:** Pn100 24 Sessional. Pn100a 24 Sessional.

**Written Work:** One substantial essay is required from each member of a class in each of the first two terms. Essay topics are chosen from a list handed out in class, and the essays are marked by the class teacher.

**Reading List:** Two reading lists are handed out at the beginning of the course, one dealing with books (about 30 items) and the other with articles (about 50 items). Most of the articles are available in xerox form in the offprint collection and such items are asterisked on the

reading list. The following are among the more important items on the book reading list:

M. Anderson, *Approaches to the History of the Western Family 1500-1914*; R. Easterlin, *Birth and Fortune*; D. V. Glass & D. E. C. Eversley (Eds.), *Population in History*; G. Hawthorn, *The Sociology of Fertility*; W. H. McNeill, *Plagues and Peoples*; E. A. Wrigley, *Population and History*.

**Examination Arrangements:** There will be a three-hour written examination in the Summer Term in which candidates will be expected to answer four questions, selecting within a paper consisting of about 15 questions.

**Pn7120****Demographic Description and Analysis**

**Teacher Responsible:** Chris Langford, Room A341 (Secretary, Doreen Castle, A339)

**Course Intended Primarily for** B.Sc. (Econ.) Part II and Course Unit. This paper assumes no previous knowledge of the subject. It is a compulsory paper for students taking the special subject in Population Studies in Part II of the B.Sc. (Econ.), but may also be taken as an outside option both by Part II non-specialists and by Course Unit students. When taken as part of Part II Population Studies it is a second year paper. Non-specialists, however, may take it in either the second or third years. The course is not highly mathematical or statistical and students with non-mathematical backgrounds should not be at a disadvantage.

**Scope:** This paper provides an introduction to the techniques of demographic analysis and the Interpretation of demographic data. The main style of presentation is to introduce and discuss techniques of analysis and then examine examples of their use to illustrate demographic concepts and trends.

**Syllabus:** Sources of information about populations; current and cohort methods of description and analysis; the construction of lifetables; measurement of fertility, mortality and nuptiality; the determinants of age structure and the intrinsic growth rate; survey data; the interpretation of demographic statistics; tests of consistency and reliability.

**Teaching Arrangements:** Pn101 20 Michaelmas and Lent Terms. Pn101a 20 Michaelmas and Lent Terms.  
**Written Work:** A number of practical exercises involving either a number of computations or the interpretation of data will be set during the course and discussed in classes. In addition, at least one essay will be required from each student.

**Reading List:** A general reading list is circulated at the start of the course. In each lecture attention is drawn to the relevant readings.

**Examination Arrangements:** There will be one three-hour examination in the Summer Term. The examination is in three sections. Section 1 involves answering a computational question, section 2 deals with questions of data interpretation and section 3 is composed of essay questions dealing with concepts and techniques discussed in the course. Students answer one question from section 1, one from section 2 and two from section 3.

**Pn7121****The Population History of England**

(Not available 1985-86)

**Teacher Responsible:** Professor Tony Wrigley, Room A342 (Secretary, Mrs. Doreen Castle, A339)

**Course Intended Primarily for** B.Sc. (Econ.) Part II. The paper forms part of the special subject in Population Studies in Part II of the B.Sc. (Econ.), but may also be taken as an outside option by Part II non-specialists. It may be taken in either the second or third year. When taken as an outside option by a non-specialist it is an advantage to have taken **Demographic Description and Analysis** (or to be taking it in the same session), but this is not a pre-requisite.

**Scope:** The paper covers English population history principally between the mid-sixteenth and the mid-nineteenth centuries. It covers both population history in a narrow sense (population size, population growth rate, fertility, nuptiality, mortality, etc.), and also broader issues about the links between economic, social and demographic variables.

**Syllabus:** Topics covered include: the sources available and their use; recent advances in techniques of analysis; English family structure and marriage behaviour; secular and short-term demographic trends and their relationship to economic and social change in early modern England; demographic crises; urbanisation; migration patterns; the institution of service; the significance of the industrial revolution and its impact on fertility; theories and models of the relationship between demographic, economic and social change in England between c.1550 and c.1850.  
**Teaching Arrangements:** Pn102 24 Sessional. Pn102a 12 Sessional.

**Written Work:** One substantial essay is required from each member of a class in each of the two first terms. Essay topics are chosen from a list handed out in class, and the essays are marked by the class teacher.

**Reading List:** Two reading lists are handed out at the beginning of the course, one dealing with books (about 40 items), and the other with articles (about 70 items). The following are among the more important items on the book reading list:

A. B. Appleby, *Famine in Tudor and Stuart England*; J. D. Chambers, *Population, Economy and Society in Pre-Industrial England*; M. W. Flinn, *British Population Growth 1700-1850*; D. V. Glass & D. F. C. Everesley (Eds.), *Population in History*; H. J. Habakkuk, *Population Growth and Economic Development since 1750*; A. S. Kussmaul, *Servants in Husbandry in Early Modern England*; P. Laslett, *Family Life and Illicit Love in Earlier Generations*; D. Levine, *Family Formation in an Age of Nascent Capitalism*; T. R. Malthus, *Essay on Population*; T. McKeown, *The Modern Rise of Population*; E. A. Wrigley & R. S. Schofield, *The Population History of England 1541-1871*.

**Examination Arrangements:** There will be a three-hour written examination in the Summer Term in which candidates will be expected to answer four questions, selecting within a paper consisting of about 15 questions.

**Pn7122****The Demographic Transition and The Western World Today**

**Teacher Responsible:** Chris Wilson, Room A326 (Secretary, Doreen Castle, A339)

**Course Intended Primarily for** B.Sc. (Econ.) Part II and Course Unit. The paper forms part of the special subject in Population Studies in Part II of the B.Sc. (Econ.), but may also be taken as an outside option both by Part II non-specialists and by Course Unit students. When taken as part of the Population Studies Part II it is a second year paper, but non-specialists may take it in either second or third years. The course assumes a basic familiarity with demographic terminology and measures and thus it is advantageous for non-specialists to have taken either course Pn100, **Population, Economy and Society** or course Pn101, **Demographic Description and Analysis**. However, this is not compulsory.

**Scope:** This paper deals with the demographic history of Western societies over the last two centuries. This covers the period of change from a situation characterised by high birth and death rates to one where such rates are low, and known as the demographic transition. Post-transitional demographic patterns are also examined. The paper has a principally substantive focus and is organised on a thematic rather than strictly chronological basis.

**Syllabus:** The nature of pre-transitional Western societies; the acceleration of growth in the 18th century; the mechanism of growth and the social and economic changes which accompanied it. The course and characteristics of falling mortality; the control of fertility within marriage; fertility control as innovation or diffusion. The degree of homogeneity with the Western experience; the special case of France. The limits to mortality decline; the consequences of changes for age structure, dependency and social service provision. Post-transitional fertility behaviour; changes in the form and function of marriage; the modern determinants of fertility, mortality and nuptiality; patterns of internal and international migration; changes in household size and composition.

**Teaching Arrangements:** Pn103 24 Lent and Summer Terms. Pn103a 18 Sessional.

**Written Work:** A number of essays will be required from students and each student will be asked to make a short presentation for discussion in class at least once.

**Reading List:** A general reading list is circulated at the start of the course. In each lecture attention is drawn to relevant readings.

**Examination Arrangements:** There will be one three-hour examination in the Summer Term. This will require the answering of four essay questions drawn from a list of about 15 questions.

**Pn7123****Third World Demography**

**Teacher Responsible:** Tim Dyson, Room A327 (Secretary, A337)

**Course Intended Primarily for** B.Sc. (Econ.) Part II and Course Unit; M.Sc. Demography.

**Scope:** The general aim of the course is to give students

an overview of both the causes and consequences of population trends in developing countries. As such the course is interdisciplinary in scope, and is expected to have relevance for social scientists concerned with a wide variety of Third World issues.

**Syllabus:** The course covers the size, distribution and growth of the populations of the main developing regions and countries; data sources; levels, trends and differentials in fertility, mortality and marriage in developing countries; the causes of mortality decline in the Third World – disease control, sanitation and water supply, economic betterment, nutrition, health service provision etc; the extent and explanation of the recent slow-down in Third World mortality improvement; synergistic interactions associated with infectious diseases and child malnutrition; the social and economic consequences of rapid population growth; possible costs and benefits of having children for peasant couples; other factors affecting fertility – child mortality, maternal education, breastfeeding patterns, the status of women, income levels and distribution. Additionally, the course will cover topics such as the influence of climate; patterns and trends in migration and urbanization in developing countries; the populations of India and China; hunter-gatherer demography; the development of family planning programs, and an assessment of the efficiency of population programs. Finally, the course attempts to put Third World experience in perspective: in what way does developing country experience relate to that of the historical demographic development of the west?

**Pre-Requisites:** The paper is part of a special subject in Population Studies in Part II of the B.Sc. (Econ.), but may also be taken as an *outside option* by non-specialists in Part II and by Course Unit students. When taken as part of Population Studies Part II it is a third year paper but otherwise it may be taken in either the second or third year.

**Teaching Arrangements:** Pn104 24 Sessional. Pn104a 24 Sessional.

**Reading List:** Certain readings have direct relevance for most aspects of the course. In particular: the journal, *Population and Development Review* (PDR) published quarterly since 1975 by the Population Council, New York; R. H. Cassen, 'Population and Development: A Survey' in *World Development*, Vol. 4, Nos. 10-11, Pergamon Press, Oxford; R. H. Cassen, *India: Population, Economy, Society*, Macmillan Press, London, 1978; R. A. Easterlin (Ed.), *Population and Economic Change in Developing Countries*, University of Chicago Press, London, 1980; R. G. Ridker (Ed.), *Population and Development, The Search for Selective Interventions*, The John Hopkins Press, Baltimore and London, 1976; P. Reining & I. Tinker (Eds.), *Population: Dynamics, Ethics and Policy*, A Science Compendium, 1975; United Nations, *The Determinants and Consequences of Population Change*, U.N. New York and United States National Academy of Sciences, *Rapid Population Growth, Consequences and Policy Implications*, Baltimore, 1971. It should not be necessary to buy any of the above. A possible, reasonably priced purchase however is, R. Woods, *Theoretical Population Geography*, Longman, London, 1982.

**Supplementary Reading List:** A supplementary reading list is available upon request from the secretary in Room A337.

**Examination Arrangements:** Examinations will be by a three-hour formal examination in the Summer Term. Students will be expected to undertake four questions.

## Pn7124

### Migration

**Teacher Responsible:** Mr. M. Murphy, Room A328 (Secretary, A337)

**Course Intended Primarily for** both the B.Sc. (Econ.) Part II and Course Unit. When taken as part of Population Studies Part II it is a third year paper, but when taken by Part II non-specialists as an outside option or by Course Unit students it may be taken in either the second or third year. The approach is essentially inter-disciplinary and may be of particular relevance to those with interests in human geography and anthropology. Although not a highly technical course, students will be expected to have sufficient mathematical background to deal with elementary algebraic and arithmetical operations.

**Scope:** This course is concerned with movement patterns of human populations. At the end of the course, students should be able to:

- (i) Describe the main movements throughout history, current major trends and future prospects;
- (ii) Evaluate the main social and economic theories which have been put forward to explain migration;
- (iii) Critically assess and use demographic methods and models for measuring, analysing and forecasting migration, especially in those circumstances where data may be deficient.

**Syllabus:** Sources of data on gross and net flows of migration. The measurement of migration in countries with well-developed and poorly-developed data collection systems. The importance of size of areal unit on the interpretation of migration data. The influence of migration on the demographic characteristics of the population in areas of in-migration and of out-migration.

Main migration movements throughout history with particular attention to world movements up to the 5th century A.D., migration in pre-industrial Europe, and international migration and urbanization in the 19th century. Main patterns of internal and international movement in Third World countries. Effects of migration on urban growth and on villages. Attempts to specify 'laws of migration' incorporating the importance of distance, 'push' and 'pull' factors, intervening obstacles and cost benefit approaches (Ravenstein, Lee, Bogue, etc.), in the light of the observed social and economic correlates of migration. The key role of the labour market is determining long-distance migration patterns, and the corresponding role of housing in short-distance migration; migration in relation to the individual and family life cycle. Incorporation of migration into formal models of the demographic process and their use for forecasting regional population.

**Teaching Arrangements:**

Lectures: Pn105 Migration 24 Sessional.  
Classes: Pn105a 24 Sessional.

**Work Requirements:** Students will be expected to do the reading associated with classes, and also to prepare verbal presentations of these for classes. In addition five numerical exercises arising from the quantitative part of the course and five essays will be set. In each case the appropriate lecturer will be responsible for the work.

**Reading List:** The following books are relevant in addition to chapters in the mainline demographic works such as: Shryock, Seigel and Stockwell, *The Methods and Materials of Demography*; R. Woods, *Population Analysis in Geography*; D. J. Bogue, *Principles of Demography*; H. R. Jones, *A Population Geography*, Harper and Row, 1981; J. Hobcraft & P. Rees, *Regional Demographic Development*, Croom Helm, 1980; G. J. Demko, H. M. Rose & G. A. Schnell, *Population Geography: a Reader*, McGraw Hill, 1970; P. White & R. Woods, *The Geographical Impact of Migration*, Longman, 1980; J. Connell, B. Das Gupta, R. Laishley & M. Lipton, *Migration from Rural Areas: the Evidence from Village Studies*, Oxford University Press, Delhi, 1976.

**Examination Arrangements:** Examinations will be by three-hour formal examination in the Summer Term. Twelve questions will be set of which students will be expected to undertake four: one of the questions chosen will require some calculation.

## Pn7125

### Family Composition in Developed and Developing Countries

**Teacher Responsible:** Mr. M. Murphy, Room A328 (Secretary, A337)

**Course Intended Primarily for** B.Sc. (Econ.) Part II, Course Unit and M.Sc. Demography. The course is both part of the Part II B.Sc. (Econ.) special subject in Population Studies and a Course Unit option. When taken as part of the Population Studies Part II it is a third year paper but Course Unit candidates and Part II candidates taking it as an outside option may take it in either the second or third year. The approach is essentially inter-disciplinary and may be of particular relevance to those with interests in quantitative social science especially sociology, social history and anthropology.

**Scope:** This course is concerned with the family as it is influenced by, and itself influences, population size and structure. At the end of the course students should be able to:

- (i) describe the main forms of family organisation found in both developing and developed countries: and their interaction with aspects of social structure such as old age support, marriage payments, marital breakdown and illegitimacy
- (ii) understand how certain forms of family, household and kinship organisation affect fertility (through mechanisms such as age at marriage, acceptance of contraception, etc.), mortality (female status influencing sex selective mortality, treatment of the elderly) and migration (benefits of kin for facilitating migration, the extended family as inhibitory factor)
- (iii) understand the main quantitative methods of measuring family and household structure arising from

both microlevel (social surveys, etc.) and macrolevel (published census tables, etc.) data

**Syllabus:** The universality of the family. Family structures under conditions of high, transitional and low fertility and mortality. The myth of large historical family size. Development of family structures in prehistory, the case of Dobe !Kung. The family in historical Europe: the Western European marriage pattern. The family in industrialised society: the breakdown of traditional kinship patterns? Household structure: sharing with kin and non-relatives. The process of household formation – what influences and what inhibits it: the special role of housing. Theories of the family: economic approaches, the costs of childrearing, the special role of female paid employment in determining family formation patterns. The emerging importance of divorce and extra-marital fertility and their implications. The family in developing countries: agricultural systems, kinship patterns, marriage patterns, female status and population growth. Factors influencing family structure in developing countries (fertility), mortality, marriage, co-residence with kin, household migration, inheritance patterns, and inclusion of non-family members. Family structure as a factor in the implementation of family planning programs – the 'Myth of Population Control'. The economic value of children in third world countries: information from time budget studies. Sex preference for children. Aging and family support. Changing marriage patterns.

Measuring the family. Problems with the use of census and administrative data, especially for kinship analysis. The role of longitudinal data and the construction and interpretation of life cycle measures for the individual and for the family. Life table methods applied to family transitions, especially formation and dissolution. Forecasting households and families. Differing perspectives on the family from the viewpoint of member and wider society.

**Pre-Requisites:** Although not a highly technical course, students will be expected to have sufficient background to deal with elementary arithmetical operations and the interpretation of statistical data.

**Teaching Arrangements:**

Lectures: Pn106 24 Sessional.  
Classes: Pn106a 24 Sessional.

**Work Requirements:** Students will be expected to do the reading associated with the classes and also to prepare verbal presentations of these for classes. In addition, numerical exercises arising from the quantitative part of the course and essays will be set.

**Reading List:** No single book covers even a substantial fraction of this course, and much of the literature is in the form of articles given on a longer reading list. The following list of books covers many aspects of the course: P. Laslett (Ed.) assisted by R. Wall, *Household and Family in Past Time*, Cambridge U.P., 1972; Organisation for Economic Co-operation and Development, *Child and Family: Demographic Developments in the OECD Countries*, 1979; R. Andorka, *Determinants of Fertility in Advanced Societies*, Methuen, 1978; C. Young, *The Family Life Cycle*, Australian National University, 1978; M. Nag (Ed.), *Population and Social Organisation*, Mouton,

1975; M. Anderson (Ed.), *Sociology of the Family* (2nd edn.), Penguin, 1980; Central Policy Review Staff and Central Statistical Office, *People and their Families*, HMSO, 1980; R. Fox, *Kinship and Marriage*, Penguin, 1967; Papers of the World Population Conference, Bucharest 1974, *The Population Debate: Dimensions and Perspective*, Volume II, United Nations, 1975; *The Family: British Society for Population Studies Conference 1983*, Office of Population Censuses and Surveys, 1983; J. Goody, *Production and Reproduction*, Cambridge U.P., 1976.

**Examination Arrangements:** Examinations will be by a three-hour formal examination in the Summer Term (except for M.Sc. Demography students who should consult the corresponding guide for Social and Economic Demography). Twelve questions will be set of which students will be expected to undertake four.

### Pn7126

#### Statistical Demography

**Teacher Responsible:** Mr. M. Murphy, Room A328 (Secretary, A337)

**Course Intended Primarily for** B.Sc. (Econ.) Part II special subject in Population Studies. It may be taken in either the second or third year and is also available to suitable non-specialists in Part II and Course Unit candidates. The course requires no formal prior demographic training but it does assume a reasonable degree of mathematical competence covering matrix algebra (including eigenvalue theory) and calculus. In general EMM or EST would be sufficient. (It should also be noted that a degree of literacy is also useful.) The course is likely to be of particular interest to students who wish to adopt a more analytical approach to demography than, for example, Pn101, especially those with main interests in actuarial science, statistics and associated subjects.

**Scope:** This course is concerned with the ways in which mathematical and statistical techniques may be used to examine how a population evolves in size and structure. At the end of the course, students should be able to:

- Formulate population dynamics in terms of systems of mathematical equations and use them in real life situations such as population projections.
- Recognise and analyse the inherently stochastic nature of population processes and the implications of this for interpreting demographic variables such as observed birth intervals.
- Examine how the key features of social and economic theories of the detailed process of fertility, mortality, nuptiality, reproductivity and migration may be formulated as mathematical models in order to illuminate the most important aspects of these phenomena.

**Syllabus:** Simple models of population growth, exponential, logistic etc. Analysis of mortality using life tables: model life tables, continuous and multiple decrement formulations; statistical properties of life table estimators. Stable and stationary populations and their use for estimation of demographic parameters in less developed countries. Continuous (Lotka) formulation of population dynamics equation, why a population converges to a stable form (strong and weak ergodicity); solutions of renewal equation. Discrete

(Leslie) formulation of population dynamics and its use in making population projections. Prospects of change in fertility and mortality in developed countries and their implications for population growth. The existence of cycles in population growth: their analysis and interpretation in historical and current populations. Multi-state analysis for regional populations. Parity progression ratios. Mathematical models for fertility and mortality schedules: relational Gompertz and logit models. Quantitative models of nuptiality. Models of reproductivity and measurement of fecundability. Analytic and simulation approaches to reproductivity and household structure. Sources of demographic data.

#### Teaching Arrangements:

Lectures: Pn107 13 Lent and Summer Terms.

Classes: Pn107a 13 Lent and Summer Terms.

**Mr. M. Murphy** (A328) will take all lectures and classes for this course.

**Written Work:** Written work consists of weekly set exercises associated with the lectures. These are mainly of a mathematical nature.

**Reading List:** The first two volumes given here cover a substantial part of the course. Keyfitz is more comprehensive, but rather expensive. Pollard is available in paperback.

N. Keyfitz, *Introduction to the Mathematics of Population*, Addison Wesley (1977 revised edn.); J. H. Pollard, *Models for Human Populations*, Cambridge (1973); A. J. Coale, *The Growth and Structure of Human Populations: a Mathematical Investigation*, Princeton (1972); R. C. Elandt-Johnson & Johnson, *Survival Models and Data Analysis*, J. Wiley (1980).

**Examination Arrangements:** Examination is by a single three-hour examination in the Summer Term. Four questions are to be answered: one out of three in Section A, which is an essay or note-type question and three out of nine in Section B, which are generally mathematical in nature.

### Pn7127

#### Applied Population Analysis

**Teacher Responsible:** Professor John Hobcraft, Room A340 (Secretary, Doreen Castle, A339)

**Course Intended Primarily for** B.Sc. (Econ.) Part II and Course Unit. This paper is compulsory for students taking the special subject Population Studies in Part II of the B.Sc. (Econ.). But it may also be taken as an outside option both by Part II non-specialists and by Course Unit students. The paper assumes that students have taken (or are concurrently taking) **Demographic Description and Analysis** (Pn7120).

**Scope:** This course explores the use of basic demographic concepts and techniques in social, economic and medical planning and research. Some emphasis will be given to applications in local and central government planning. During the course, students will gain experience in the analysis and interpretation of information from some major sources of population statistics such as censuses, vital registration, the OPCS Longitudinal Study, the GB General Household Survey, Census Small Area Statistics and the World Fertility Survey. The course will include an introduction to one or more relevant

computer packages. A further aim is to convey research strategy.

**Syllabus:** The course will cover a number of topics, which will vary from year to year, but are chosen to illustrate the use of a wide range of demographic procedures, including the life table, standardisation and population projections. The applications will also use a range of major sources of population statistics. Examples of topics to be covered, which convey the nature of the course are: the use of population projections at the national level, including studies of ageing, provision of places in higher education and the momentum of population growth in developing countries; the application of regional and local projections in planning housing, schooling etc.; manpower planning; household and family structure and composition; the implications of recent rising frequency of divorce; assessing the impact of contraception and abortion on fertility; the use of survey data in assessing family planning programmes; women's participation in the labour force; the impact of breastfeeding on fertility and infant mortality; inequalities in health in the U.K. and developing countries; inputs to planning of primary health care; occupational mortality; unemployment and mortality; fluoridation of water supplies and cancer mortality.

**Teaching Arrangements:** The course consists of three components. The first and major component is a two-hour session (Pn108) each week for the Michaelmas and first half of the Lent terms, which will consist of a variety of presentations, often beginning with a short introductory lecture or a presentation by a student, followed by in-depth class discussion of the relevant topic. Students will be expected to make considerable use of major statistical sources. The second component will consist of 15 one-hour practicals (Pn108a) on one or more relevant computer packages, again in the Michaelmas and first half of the Lent terms. The third component involves the student undertaking a short research project under supervision, to be completed and submitted by the second week of the Summer term.

**Written Work:** Approximately two essays and five compulsory practical exercises involving data interpretation and analysis will be required of each student. These practical exercises and essays will provide some of the basis for the class discussions. In addition, as indicated above, each student will be required to undertake a short piece of social research. A register of suitable topics for research will be available. Written reports based on the research are expected, and should be of approximately 3-5,000 words in length.

**Reading List:** A reading list will be circulated at the start of the course. Additional readings will be provided in the class sessions.

**Examination Arrangements:** There will be one three-hour examination in the Summer Term which will account for 75% of the overall mark for the course. The remaining 25% of assessment will be on the basis of the student's research project. The examination will consist of two sections. Section 1 involves answering two questions on data interpretation or analysis and section 2 involves answering two essay questions dealing with the concepts, techniques and topics discussed in the course.

### Pn8100

#### Analytic Demography

**Teacher Responsible:** Professor John Hobcraft, Room A340 (Secretary, Doreen Castle, A339)

**Course Intended Primarily for** M.Sc. in Demography. The paper is compulsory.

**Scope:** The paper deals principally with demographic techniques and concepts. The treatment is both theoretical and quantitative with the aim of providing students with a sound basis in the main techniques of demographic analysis and an understanding of the inter-relationships between demographic processes. It draws on the teaching provided in a number of courses.

**Syllabus:** The syllabus of this paper can best be summarised by reference to the component courses. Pn151, **The Analysis of Fertility and Mortality**, deals with measures of marital and overall fertility, nuptiality and replacement; intermediate fertility variables and models of fertility; the construction and interpretation of life tables and other measures of mortality; logit life tables and the concepts of stationary and stable populations. In the course Pn152, **Population Dynamics and Projections**, the following topics are dealt with: population growth theory; stable and semi-stable populations; relations between demographic processes and the age structure; the nature and patterns of variation in fertility, mortality and nuptiality. The course Pn155, **Indirect Demographic Estimation** introduces techniques for estimating demographic parameters from unconventional or limited data sources with particular attention to mortality and fertility. Course Pn156, **The Analysis of Demographic Event Histories** covers frameworks and procedures of analysis for event history data, particularly those emanating from retrospective demographic surveys.

**Teaching Arrangements:** The teaching arrangements for this paper vary from course to course. However, the usual format is for there to be a number of lectures with the associated classes given over to practical examples. The hours of lectures associated with each course is presented below, along with the term in which they occur.

Lectures: Pn151 **The Analysis of Fertility and Mortality** 20 Michaelmas Term.

Pn152 **Population Dynamics and Projections** 15 Lent and Summer Terms.

Pn155 **Indirect Demographic Estimation** 10 Lent Term.

Pn156 **The Analysis of Demographic Event Histories** 10 Lent Term.

Classes: Pn151a 20 Michaelmas Term.

Pn155a 15 Lent and Summer Terms.

Pn156a 10 Lent Term.

**Written Work:** This again varies between courses. In general, however, students will be expected to undertake computational exercises at regular intervals throughout each course. Given the mainly technical nature of the course, there are few essay requirements, although an occasional essay may be required.

**Reading List:** Reading lists will be handed out for each course.

**Examination Arrangements:** There will be one three-hour examination in June. The examination is in three sections. Section 1 will comprise a basic question of a



mainly computational nature on the material covered in course Pn151, i.e. on fertility or mortality analysis. Section 2 will entail students answering 2 questions, again of a primarily computational type drawn in the main from the courses Pn155 on indirect estimation or Pn156 on demographic event histories. Questions based on material covered in course Pn151 may also be included. Section 3 requires students to answer an essay question. There will be a list of approximately four questions dealing with the inter-relationships between demographic processes, drawing mainly on course Pn152 on population dynamics.

### Pn8101

#### Applied Demography

**Teacher Responsible:** Tim Dyson, Room A327 (Secretary, A337)

**Course Intended Primarily for** M.Sc. Demography.

**Scope:** The paper covers four subject areas of practical concern to working demographers, especially those involved with the 'dirty' – but vitally important – jobs of gathering and evaluating demographic data.

- (i) **The Collection of Demographic Data**
- (ii) **Demographic Sampling and Survey Design**
- (iii) **Evaluation of Family Planning Programmes and**
- (iv) **Sources and Techniques of Historical Demography.**

**Syllabus:** The contents of the four constituent elements are as follows:

- (i) **The Collection of Demographic Data**  
The historical development of demographic statistics. The stages involved in planning a census. The content of census and survey schedules. Basic response errors. The structure of census organisations. Vital registration. Types of demographic sample survey. The World Fertility Survey programme.
- (ii) **Demographic Sampling and Survey Design**  
Basic principles of statistical sampling and their application to demographic surveys. Different types of demographic sample survey design. Questionnaire and schedule design.
- (iii) **Evaluation of Family Planning Programmes**  
The aims of programmes; the concept of evaluation; 'internal' methods of evaluation – cost/benefit, acceptor data, coupon systems. Evaluation of programmes' demographic impact: standardization, fertility trend analysis, couple years of protection, births averted, multiple areal regression and path analysis, contraceptive prevalence surveys. Case studies.
- (iv) **Sources and Techniques of Historical Demography**  
The nature of historical source material: problems of coverage and bias. Opportunities and problems presented by the data. Aggregative and nominal techniques of tabulation and analysis.  
**Pre-Requisites:** The paper is primarily designed for students taking the M.Sc. in Demography. For these students it is compulsory, and constitutes their second paper (out of a total of three).  
**Teaching Arrangements:** Teaching consists of 25 one-hour lectures and approximately 20 allied classes spread throughout the Michaelmas, Lent and Summer

Terms. These lectures and classes are distributed by course as follows:

- Lectures:  
 Pn153 **The Collection of Demographic Data** 10 Michaelmas Term  
 Pn154 **Demographic Sampling and Survey Design** 5 Lent Term  
 Pn155 **Indirect Demographic Estimation** 10 Lent Term  
 Pn156 **The Analysis of Demographic Event Histories** 10 Lent Term  
 Pn157 **Evaluation of Family Planning Programmes** 5 Summer Term  
 Pn158 **Sources and Techniques of Historical Demography** 5 Summer Term  
 Classes:  
 Pn151a 10 Michaelmas Term  
 Pn153a 10 Michaelmas Term  
 Pn154a 3 Lent Term  
 Pn155a 15 Lent and Summer Terms  
 Pn156a 10 Lent Term  
 Pn157a 3 Summer Term  
 Pn158a 3 Summer Term

**Written Work:** Students will be expected to do the bulk of the reading associated with lectures and classes. They will be required to undertake several class practicals. Finally, each student will be responsible for approximately two class presentations.

**Reading List:** There is a separate reading list for each course. However, the following readings are particularly central:

- Pn153** H. S. Shryock & J. S. Siegel, *The Methods and Materials of Demography* (condensed version), especially chapters 2, 3 and 24.  
**Pn154** C. A. Moser & G. Kalton, *Survey Methods in Social Investigation*, Heinemann, London – chapters 4, 5, 6, 7 and 13.  
**Pn157** A. I. Hermalin & C. Chandrasekaran, 'Overview', in Chandrasekaran & Hermalin (Eds.), *Measuring the Effect of Family Planning on Fertility*, Ordina Editions, Dolhain, Belgium, 1975.  
**Pn158** E. A. Wrigley (Ed.), *An Introduction to English Historical Demography*.

**Supplementary Reading List:** Reading lists specific to each of the courses constituting this paper are available upon request from the secretary in Room A337.

**Examination Arrangements:** The paper is examined by a three-hour formal examination in the Summer Term. Candidates are required to answer four questions (one of which is compulsory).

### Pn8102

#### Social and Economic Demography

**Teacher Responsible:** Mr. C. M. Langford, Room A341 (Secretary, A337)

**Course Intended Primarily for** M.Sc. Demography.

**Scope:** The course is intended (i) to give students a grasp of the main demographic changes there have been in the West during the past 150 years and in other countries more recently, and of the causes and implications of these changes, and (ii) a more detailed understanding of ONE of the following topics:

- (a) **Third World Demography**, (b) **The Demographic Transition and the Western World Today**, (c) **The**

**Population History of England**, (d) **Family Composition in Developed and Developing Countries**, and (e) **Migration**.

**Availability:** This paper is a compulsory part of the M.Sc. in Demography.

**Syllabus:** Core part of the course. The socio-economic context and its relationship to the fertility, mortality and nuptiality characteristics of populations; contrasts between traditional and modern societies. Models of the inter-relationships between demographic, social and economic variables.

Options

#### (a) **Third World Demography**

Source of data and approached to them. Distribution and growth of population in developing countries and their demographic characteristics. Causes and concomitants of fertility differentials and trends: mortality, nuptiality, contraception, breast-feeding, education, economic motivation, urbanization, status of women. The mortality decline: nutrition and health. Demographic-economic interrelations: fertility, mortality, age structure, income level and distribution, social capital provision. Family planning programmes. Explanations of fertility decline.

#### (b) **The Demographic Transition and the Western World Today**

The acceleration of population growth in the eighteenth and nineteenth centuries, the mechanism of growth and the changes in economy and society which accompanied it. The course and characteristics of falling mortality. The control of fertility within marriage; fertility control as diffusion or innovation; revisions made necessary by micro-level studies. The degree of homogeneity within European experience; the special case of France. The limits of mortality decline. Post-transition fertility behaviour; changes in the form and function of marriage. The modern determinants of short and long-term trends in fertility, nuptiality and mortality; age structure, dependency and social service provision.

#### (c) **The Population History of England**

Available sources and their exploitation. The phasing of growth; relative importance of fertility, mortality and net migration changes in determining growth rates. Secular and short-term economic and demographic trends. English family structure and marriage behaviour. Fertility and mortality in the industrial revolution; family and kin during the period of rapid urban and industrial growth; the cities, public health and mortality. The decay of the traditional system of social regulation of fertility; the control of fertility within marriage; the special features of the demographic transition in England.

#### (d) **Family Composition in Developed and Developing Countries**

Demographic description and analytic techniques for the study of families and households. The nature of demographic constraints upon family composition features sensitive to change in demographic parameters; interplay of cultural, social and economic factors in influencing family composition. Distinctions between the conjugal family, and the household. The changing balance of dependants during the life cycle of the individual and the family; production and

consumption over the life cycle; redistribution of resources within families and kin groups; questions of inheritance and treatment of the aged. Household projections. Special attention will be paid to the patterns found in contemporary societies, both developing and developed.

#### (e) **Migration**

The relevance of areal perspective in demography. Integration of migration into models of population dynamics. Measurement problems both theoretical and empirical; gross and net flows; migration as a function of the size of the unit area studies. The influence of migration on the demographic characteristics of a population and vice-versa. Models of migration 'push' and 'pull' factors; migration flows and individual and family life cycles; the economic and social correlates of migration; social and geographical mobility. Continuity of patterns in periods of rapid economic and social change; migration and the breakdown of traditional attitudes; internal migration and the city with special attention to the history of migration in Britain and in contemporary Third World countries.

**Teaching Arrangements:** Core part of the course

- (i) **Pn150 Social and Economic Demography:** There are 10 lectures and 5 classes (all taken by **Mr Langford**) in the Michaelmas Term.

The main object of the classes will be to promote discussion of matters arising from the lectures and associated reading.

- (ii) **Pn160 Social Demography (Graduate Class):** 15 one-and-a-half hour meetings in the Summer Term on topics arising from Pn150 (taken by **Mr. Langford**). Students will be required to present at least one paper at this class.

- (iii) **Pn161 Fertility and Mortality in Their Socio-Economic Context (Seminar):** 19 one-and-a-half hour meetings in the Michaelmas and Lent Terms (arranged by **Mr. Langford**). Talks, mainly on recent research and work in progress, given by invited speakers, often from outside the School.

Options

- (a) Lectures Pn104 **Third World Demography** 24 Sessional

Classes Pn104a 18 Sessional

- (b) Lectures Pn103 **The Demographic Transition and the Western World Today** 24 Lent and Summer Terms. Classes Pn103a 14 Lent and Summer Terms

- (c) Lectures Pn102 **The Population History of England** 24 Sessional

Classes Pn102a 12 Sessional

- (d) Lectures Pn106 **Family Composition in Developed and Developing Countries** 24 Sessional

Classes Pn106a 18 Sessional

- (e) Lectures Pn105 **Migration** 24 Sessional

Classes Pn105a 18 Sessional

**Written Work:** Core part of course. Two essays will be required in the Michaelmas Term, at least one class paper in the Summer Term. Class presentations and essays will be required.

**Reading List:** The following is a general and introductory reading list. Further reading will be given during the course.

- G. W. Barclay, *Techniques of Population Analysis*, 1958; D. V. Glass, *Numbering the People*, 1973; W.

Petersen, *Population*, 1969; R. Pressat, *Population*, 1970; A. Sauvy, *General Theory of Population*, 1969 (hardcover), 1974 (paperback); United Nations, *The Determinants and Consequences of Population Trends*, Population Studies No. 17, 1953; *Population Studies*, No. 50, 1973 (2 volumes); United Nations; *The Population Debate: Dimensions and Perspectives*, Papers of the World Population Conference, Bucharest 1974; *Population Studies*, No. 57, 1975 (2 volumes); United Nations, *World Population Trends and Policies*, 1977 Monitoring Report, *Population Studies* No. 62, 1979 (2 volumes); E. A. Wrigley, *Population and History*, 1969.

**Examination Arrangements:** There will be a three-hour written examination in the Summer Term. The paper will require four questions to be answered, one relating to the core part of the course described here, and three relating to the chosen option.

### Pn8110

#### Demographic Techniques and Analysis

**Teacher Responsible:** Mr. C. M. Langford, Room A341 (Secretary, A337)

**Course Intended Primarily for** M.Sc. Statistics: students intending to undertake the course should contact Mr. Langford in the first instance.

**Scope:** The course is intended to cover the main aspects of the measurement and analysis of major demographic variables with special reference to developing countries.

**Syllabus:** The following courses comprise the basis for this paper:

Pn151 *The Analysis of Fertility and Mortality* deals with measures of marital and overall fertility, nuptiality and replacement; intermediate fertility

variables and models of fertility; the construction and interpretation of life tables and other measures of mortality; logit life tables and the concepts of stationary and stable populations.

Pn153 *The Collection of Demographic Data*. The historical development of demographic statistics. The stages involved in planning a census. The content of census and survey schedules. Basic response errors. The structure of census organisations. Vital registration. Types of demographic sample survey. The World Fertility survey programme.

Pn155 *Indirect Demographic Estimation* introduces techniques for estimating demographic parameters from unconventional or limited data sources with particular attention to fertility and mortality.

Pn156 *The Analysis of Demographic Histories* covers frameworks and procedures of analysis for event history data, particularly those emanating from retrospective demographic surveys.

Pn161 *Fertility and Mortality in their Socio-Economic Context* Seminars on current research and work in progress given by invited speakers, often from outside the School.

**Teaching Arrangements:** Lectures: Pn151 20 Michaelmas Term; Pn153 10 Michaelmas Term; Pn155 10 Lent Term; Pn156 10 Lent Term; Pn161 19 Michaelmas and Lent Terms.

Classes: Pn151a 20 Michaelmas Term; Pn153a 10 Michaelmas Term; Pn155a 15 Lent and Summer Terms; Pn156a 10 Lent Term.

**Reading List:** Reading lists will be given out in the appropriate courses.

**Examination Arrangements:** The paper is examined by a three-hour formal examination in the Summer Term.

## PSYCHOLOGY

*This section is in two parts. The first part lists the lectures and seminars given by the department. The list provides a cross reference to the Study Guide(s) in which the syllabus and the reading list associated with the lecture or seminar can be found. The second part contains the Study Guides, presented in Study Guide number sequence.*

### Lectures and Seminars

Lecture/ Seminar Number		Study Guide Number
Ps100	<b>Introduction to Individual and Social Psychology</b> Dr. J. E. Stockdale, Mr. R. Holmes and Mr. A. D. Jones	25/MLS Ps5400
Ps101	<b>Psychoanalytic Theories and their Derivatives</b> Dr. Hildebrand	6/L Ps101; Ps5400
Ps103	<b>Developmental and Biological Aspects of Behaviour</b> <b>(i) Developmental Psychology</b> Dr. J. McShane <b>(ii) Physiological Psychology</b> Dr. S. Green	16/ML Ps5405 12/ML Ps5405
Ps105	<b>Methods of Psychological Research I: Laboratory</b> Dr. J. E. Stockdale and Dr. E. A. M. Seaborne.	23/MLS Ps5406
Ps106	<b>Personality and Social Behaviour</b> Mr. A. D. Jones and Dr. A. P. Sealy	30/ML Ps5421
Ps108	<b>Methods of Psychological Research II:</b> <b>(i) Methods</b> Dr. G. D. Gaskell and Dr. A. P. Sealy <b>(ii) Laboratory</b> Dr. G. D. Gaskell, Dr. A. P. Sealy, and Dr. A. E. M. Seaborne <b>(iii) Psychological Statistics</b> Dr. J. E. Stockdale	20/ML Ps5420 24/MLS Ps5420 24/MLS Ps5420
Ps109	<b>Cognitive Psychology</b> Dr. A. E. M. Seaborne	23/MLS Ps5422
Ps113	<b>Abnormal Psychology</b> Dr. Trauer	8/M Ps113
Ps115	<b>Advanced Study of Psychological Processes</b> Dr. G. D. Gaskell, Mr. R. Holmes, Professor R. M. Farr and Mr. S. Wooler	23/MLS Ps5501
Ps116	<b>Social Change and Social Organisations</b> (Not available 1985-86)	23/MLS Ps5502
Ps118	<b>Cognitive Development</b> Dr. J. McShane	10/M Ps5521

Lecture/ Seminar Number		Study Guide Number	
Ps119	<b>Personality and Psychopathology</b> Dr. A. P. Sealy	10/M	Ps5524
Ps121	<b>Psychology on Film and Video</b> Mr. A. D. Jones and Dr. P. C. Humphreys	10/ML	Ps121
Ps122	<b>Cognitive Structures</b> Dr. P. C. Humphreys	10/M	Ps5522
Ps123	<b>Collective Psychologies</b> Professor R. M. Farr and Dr. C. R. Badcock	10/M	Ps5523
Ps124	<b>Social Psychology of Health</b> (Not available 1985-86)	10/M	Ps5525
Ps150	<b>Applied Developmental Psychology</b> Dr. J. McShane	10/L	Ps5526; Ps6414
Ps151	<b>Life-Span Development</b> Mr. A. D. Jones	10/L	Ps5527; Ps6418
Ps152	<b>Personality and Social Pathology</b> Dr. A. P. Sealy	10/L	Ps5528; Ps6415
Ps153	<b>Psychological Aspects of Legal Processes</b> Dr. A. P. Sealy	10/L	Ps5529; Ps6417
Ps154	<b>The Social Psychology of Conflict</b> (Not available 1985-86)	10/L	Ps5530; Ps6421
Ps155	<b>The Social Psychology of the Media</b> Dr. P. C. Humphreys	10/L	Ps5531; Ps6416
Ps160	<b>Contemporary Social Psychology</b> Professor R. M. Farr, Dr. G. D. Gaskell, Dr. P. C. Humphreys and Dr. A. P. Sealy	20/ML	Ps6423
Ps161	<b>People and Organisations</b> Mr. R. Holmes	10/L	Ps6420
Ps162	<b>Sociological Forms of Social Psychology</b> Professor R. M. Farr	10/L	Ps6422
Ps163	<b>Decision Making and Decision Support Systems</b> Dr. P. C. Humphreys	10/L	Ps6419
Ps165	<b>Methods of Research in Social Psychology</b> (i) Principles of Social Research (ii) Research Techniques (iii) Advanced Data Analysis Dr. G. D. Gaskell, Professor R. M. Farr, Dr. J. E. Stockdale, Dr. P. C. Humphreys, Dr. A. P. Sealy and Mr. A. Wells	10/M 10/M 20/M	Ps6498
Ps166	<b>Industrial Psychology</b> Mr. R. Holmes	10/M	SM8345
Ps169	<b>Psychology Seminar</b> Members of the Department	12/MLS	Ps169

Lecture/ Seminar Number		Study Guide Number
Ps170	<b>Current Research in Social Psychology</b> Dr. G. D. Gaskell	10/ML Ps170

**Study Guides****Ps101****Psychoanalytic Theories and their Derivatives****Teacher Responsible:** Dr. Hildebrand.**Course Intended Primarily** for B.Sc. c.u. main field Social Psychology 1st year; optional for B.Sc. S.S. and A. 3rd year; Diploma Soc. Pol. and Admin I.**Teaching Arrangements:** Six lectures (Ps101) Lent Term.**Examination Arrangements:** Non-examinable.**Ps113****Abnormal Psychology****Teacher Responsible:** Dr. Trauer.**Course Intended Primarily** for B.Sc. c.u. main field Social Psychology 2nd year; optional for M.Sc.; B.Sc. S.S. and A. 3rd year; Diploma in Soc. Pol. and Admin I.**Syllabus:** Aspects of abnormal psychology; classification; aetiology, treatments, theories of mental illness.**Teaching Arrangements:** Eight lectures (Ps113), Michaelmas Term.**Examination Arrangements:** Non-examinable.**Ps121****Psychology on Film and Video****Teachers Responsible:** Mr. A. D. Jones, Room S364 and Dr. Patrick Humphreys, Room S364 (Secretary, S316)**Course Intended Primarily** for B.Sc. c.u. main field Social Psychology 1st, 2nd and 3rd years; M.Sc. Social Psychology.**Teaching Arrangements:** will be announced at the beginning of the Session.**Examination Arrangements:** Non-examinable.**Ps169****Psychology (Seminar)****Teacher Responsible:** Professor R. M. Farr, Room S303 (Secretary, Miss M. Rennie, S304)**Course Intended Primarily** for graduate students; B.Sc. c.u. main field Social Psychology 3rd year.**Teaching Arrangements:** Fortnightly seminars (Ps161), Sessional.

Papers will be presented by outside speakers.

**Examination Arrangements:** Non-examinable.**Ps170****Current Research in Social Psychology****Teacher Responsible:** Dr. G. Gaskell, Room S307 (Secretary, S316)**Course Intended Primarily** for staff and graduates.**Teaching Arrangements:** Fortnightly seminars (Ps162) Michaelmas and Lent Terms.**Examination Arrangements:** Non-examinable.**Ps5400****Introduction to Individual and Social Psychology****Teacher Responsible:** Dr. J. E. Stockdale, Room S386 (Secretary, S316)**Course Intended Primarily** for B.Sc. (Econ.) Part I and Part II; B.Sc. c.u. main fields Soc. Psych., Maths., Stats., Comp., Act. Sci., Man. Sci., Geog. 1st year, Soc., Soc. Anth.; B.Sc. S.S. and A. 2nd and 3rd years; Dip. Soc. Admin.**Scope:** An introduction to the theories and concepts of psychology, the study of man's behaviour: how people perceive, think, feel and act.**Syllabus:** The biological bases of behaviour, instincts and ethological concepts; the mechanisms of learning, perception, memory and language; the processes of socialisation through social learning and identification; familial and social influences. The development of individual differences in ability; the meaning and measurement of intelligence. Definitions and dynamics of personality. Attitudes and options. Social interpersonal in groups; conformity, obedience and impersonal communication.**Pre-Requisites:** None.**Teaching Arrangements:** The course comprises a sessional weekly lecture and class.(i) Ps100: A weekly lecture. The lectures in this series are given by **Dr. Stockdale, Mr. Holmes and Mr. Jones.**

(ii) Ps100a: A weekly class to which students are allocated in the early part of the Michaelmas Term. Class teachers are generally part-time.

(iii) Ps101: **Psychoanalytic Theories and their Derivatives** (6 lectures). **Dr. Hildebrand.** These lectures are compulsory for 1st year B.Sc. Main Field Soc. Psych. and optional but highly recommended for other students attending Ps100.**Written Work:** Students are expected to write 5 essays during the Session. Topics are set by class teachers who assess the essays and discuss students' work.**Reading List:** Recommended reading: R. L. Atkinson *et al.*, *Introduction to Psychology*, Harcourt Brace & World, 1980 (8th edn.); Brown & Bernstein, *Psychology*, Methuen, 1975; R. Brown, *Social Psychology*, Macmillan 1965; Taylor & Sluckin, *Introducing Psychology*, Penguin, 1982; Tajfel & Fraser, *Introducing Social Psychology*, Penguin, 1978. Additional references and a synopsis of lectures and class topics is distributed in the first lecture of the series and available in S316.**Examination Arrangements:** There is a three-hour examination in the Summer Term based on the syllabus of the lectures and classes. Students must answer 4 questions.**Ps5405****Developmental and Biological Aspects of Behaviour****Teacher Responsible:** Dr. J. McShane, Room S384 (Secretary, Mrs. Pat Christopher, S316)**Course Intended Primarily** for B.Sc. Social Psychology (first year), also for B.Sc. (Econ.) first year students and other course unit degree students.**Scope:** The course consists of two separate sections: A. Developmental and B. Biological Aspects of Behaviour. The course aims to provide an introduction to the two areas.**Syllabus:** A. Developmental Aspects of Behaviour: Development in infancy including sensory, motor, cognitive, linguistic, and social development. The development of intelligence, memory, morality and sex-role awareness in childhood. Socialization.B. Biological Aspects of Behaviour (teacher: **Dr. S. Green**, Birbeck College): The aim of the course is to provide an introduction to the physiological bases of behaviour. After an outline of the basic structure and organization of the human nervous system, a detailed examination is made of the brain mechanisms involved in language, perception, memory and learning, emotional behaviour, sleep and arousal, motivated behaviours such as hunger and exploration, and sensory processes. More advanced topics, such as the possible brain disorganizations underlying schizophrenia and depression, are introduced.**Pre-Requisites:** Students from outside the Social Psychology Department contemplating this course should have taken (or should take simultaneously) the course **Introduction to Individual and Social Psychology.****Teaching Arrangements:** Developmental: 16 weekly lectures (Ps103 i) of one hour. Classes are held fortnightly.

Biological: Twelve weekly lectures (Ps103 ii) of two hours. (Lectures begin in November.) There will be revision classes in the Summer Term.

**Written Work:** Students are encouraged to write three essays on set topics in developmental psychology.**Reading List: Developmental:** You should buy the following:S. R. Yussen & J. W. Santrock, *Child Development: An Introduction*, W. M. C. Brown, 1982.The following will also be useful: K. Danziger, *Socialization*, Penguin, 1971; M. Donaldson, *Children's Minds*, Fontana, 1978; J. Flavell, *Cognitive Development*, Prentice-Hall, 1977; E. Maccoby, *Social Development*, Harcourt, Brace, Jovanovich, 1980; M. Rutter, *Maternal Deprivation Reassessed*, Penguin, 1981.**Biological Aspects:** (in order of preference) N. R. Carlson, *Physiology of Behaviour* (2nd edn.), Allyn & Bacon, 1980; R. F. Thompson, *Introduction to Physiological Psychology*, Harper & Row, 1975; T. L. Bennett, *Introduction to Physiological Psychology*, Brooks/Cole, 1982.**Examination Arrangements:** A three-hour written examination in the Summer Term. The examination paper consists of two parts that correspond to the two sections of the course. Students are required to answer two questions from each section. In addition candidates may submit two essays to the examiners. The marks obtained on these will not be used to lower the mark obtained at the examination but may be used to raise the final mark in borderline cases.**Ps5406****Methods of Psychological Research I: General and Statistical**

This comprises two components:

(i) Ps105 **Laboratory Course;**(ii) SM202 **Statistical Methods for Social Research.**Students must attend *both* components. This study guide deals with the LABORATORY course. For details of the Statistics component, students should consult the Study Guide SM7215: **Statistical Methods for Social Research.****Teacher Responsible:** Dr. J. E. Stockdale, Room S386 (Secretary, S316)**Other Course Lecturers:** Dr. A. E. Seaborne, Room S385.**Course Intended Primarily** for B.Sc. c.u. Main Field Soc. Psych. 1st year.**Scope:** An introduction to experimental design and research methods in Psychology.**Syllabus:** Introduction to experimental design and research methods in relation to design conduct of laboratory and field studies. The areas examined will include learning, memory, thinking, perception, child behaviour and social processes. Students will also be introduced to measurement and scaling, and techniques of testing in relation to psychological assessment of attitudes, personality and intelligence. An introduction to statistical analysis of experimental data using computer packages. The experiments conducted will be related to topics discussed in Ps100.**(Introduction to Individual and Social Psychology).****Pre-Requisites:** None.**Teaching Arrangements:** Sessional, weekly three-hour laboratory session (Ps105). Students participate in the design and conduct of experiments and are expected to write reports on each of the studies they carry out. These reports are marked by the teaching assistant and **Dr. J. E. Stockdale** and may be discussed with them.**Reading List:** Students are not advised to purchase any text, but they may wish to consult:H. H. Johnson, & R. L. Solso, *An Introduction to Experimental Design in Psychology: A Case Approach*, Harper & Row, 1971; A. M. Snadowsky (Ed.), *Social Psychology Research: Laboratory Field Relationships*, Free Press, 1972; B. J. Underwood & J. J. Shaughnessy, *Experimentation in Psychology*, Wiley, 1975. Recommended reading related to individual content areas will be given during the course.**Examination Arrangements:** The Laboratory Course assessment is based on EIGHT laboratory reports completed during the session and formally submitted for assessment in the Summer Term. This amounts to 50% of the marks awarded for this unit, the remainder comprising Statistics exam. (35%) and Statistics exercises (15%).**Ps5420****Methods of Psychological Research II: Social and Statistical****Teachers Responsible:** Dr. George Gaskell, Room S307 and Dr. J. E. Stockdale, Room S386 (Secretary, S316)

**Course Intended Primarily** for B.Sc. c.u. main field Social Psychology 2nd year; Diploma Social Psychology and other interested students. For the sake of clarity, this guide is divided into two sections covering:

**Section A** Methods of Psychological Research – Laboratory Sessions

**Section B** Psychological Statistics.

Each section comprises 50% of the assessment of the course.

### Section A: Methods of Psychological Research II: Laboratory Sessions

**Teacher Responsible:** Dr. G. Gaskell, Room S307, (Secretary, S316)

**Course Intended Primarily for** (see above)

**Scope:** The course is intended to give students experience in the design, execution and analysis of social psychological research, and the assessment of individuals.

**Syllabus:** Assumptions underlying social and psychological experimentation and research. Problems of measurement and the assessment of individual differences, in particular, attitude scaling, personality questionnaires, projective techniques and repertory grids. Practical experience in the conducting of psychological experiments in the areas of cognitive and social psychology. Training in observational methods and interviewing.

**Pre-Requisites:** Completion of the course Ps105 **Methods of Psychological Research I** or comparable experience in experimental design and research methods in psychology.

**Teaching Arrangements:** Ps108(i): **Methods of Psychological Research:** Lectures: 20, Dr. Gaskell, Dr. Sealy, Ps108(ii): **Laboratory Sessions:** 24 Sessions, Dr. Sealy, Dr. Gaskell, Dr. McShane, Dr. Seaborne.

**Written Work:** 4 research reports on the empirical projects conducted during the year. The two reports relating to the 1st term should be submitted before the end of the 1st week of the Lent Term, the two relating to the Lent Term's work before the end of the 1st week of the Summer Term. The reports will be assessed by the relevant lecturer with whom students can discuss their work.

**Reading List:** A. F. Chalmers, *What is this thing called Science?*, Open University Press, 1978; T. D. Cook & D. Campbell, *Quasi Experimental Design and Analysis: Issues for Field Settings*, Rand McNally, 1979.

**Examination Arrangements:** There is a two-hour written examination in the Summer Term containing 8 questions of which 3 must be answered. Laboratory notebooks containing the four research reports, with a suitable index must be submitted early in the Summer Term for final evaluation. The examination and laboratory notebooks are given equal weight in the assessment of Section A of the course.

### Section B: Psychological Statistics

**Teacher Responsible:** Dr. J. E. Stockdale, Room S386 (Secretary, S316)

**Scope:** The course aims to familiarize students with parametric and non-parametric techniques of data

analysis and their application to psychological data.

**Syllabus:** Revision: Sampling, inference and hypothesis testing. Non parametric tests for comparing 2 & k samples, related and independent groups. Non parametric measures of association and correlation. Simple linear regression and correlation. Assumptions and models underlying analysis of variance (fixed and random factors). One-, two- and three-way analysis of variance (independent randomized groups design). Planned and unplanned comparisons and tests of trend. Repeated measures and partial repeated measures (split plot) analysis of variance. Test Selection.

**Pre-Requisites:** Completion of SM202 **Statistical Methods for Social Research** or a comparable course which covers descriptive statistics; elementary probability; sampling, statistical inference, estimation and hypothesis testing, simple regression and correlation and elementary non-parametric techniques.

**Teaching Arrangements:** Sessional, weekly lecture and class. Lectures: Ps108(iii) 10 Michaelmas Term, 9 Lent Term, 5 Summer Term. Classes: Ps108(iii) (a) 10 Michaelmas Term, 9 Lent Term, 5 Summer Term. Exercises related to the lecture content are carried out in the weekly class.

**Written Work:** In addition to the class exercises, weekly exercises are assigned and the marks obtained contribute to the final overall assessment. The exercises are marked by the teaching assistant and may be discussed with Dr. J. E. Stockdale.

**Reading List:** No one book covers the entire course. Students are advised to buy:

S. Siegel, *Non-parametric Statistics for the Behavioural Sciences*, McGraw Hill, 1956 or B. Singer, *Distribution Free Models for Non-Parametric Problems*, B.P.S., 1979; and one of the following: H. M. Blalock, *Social Statistics*, McGraw Hill, 1960; G. Glass & J. Stanley, *Statistical Methods in Education and Psychology*, Prentice Hall, 1970; G. A. Ferguson, *Statistical Analysis in Psychology and Education*, McGraw Hill, 1981 (5th edn.).

Books which students may wish to consult include: G. Keppel, *Design and Analysis: A researchers' handbook*, Prentice Hall, 1973; W. L. Hays, *Statistics*, Holt, Rinehart & Winston, 1969.

**Examination Arrangements:** There is a two-hour examination in the Summer Term containing five questions. Students are required to answer questions 1(i) or 1(ii) and two others. 40% of the marks are allocated to Q.1 and 30% to each of the other two questions. Copies of previous years' papers are available. 70% of the assessment of the statistics course is based on the exam paper and 30% on the set of exercises submitted during the session.

**Note:** The relative weightings across all components of the course are as follows:

- (i) Methods of Psychological Research: Examination 25%
- (ii) Laboratory work 25%
- (iii) Psychological Statistics: Examination 35%
- (iv) Statistics Exercises 15%

### Ps5421

#### Personality and Social Behaviour

**Teachers Responsible:** Mr. A. D. Jones, Room S314 and S316; Dr. A. P. Sealy, Room S387 (Secretary, Miss M. Rennie, S304)

**Course Intended Primarily for** B.Sc. Social Psychology 2nd year and Diploma Course students. It is also available as an option for second or third year course unit students and B.Sc. (Econ.) Part II students, including inter-collegiate students where Regulations permit.

**Scope:** The aim of the course is to continue the type of work contained in the Introductory Psychology course units emphasizing the part played by personality, attitudes, groups and communication in determining human social behaviour.

**Syllabus:** The syllabus is divided into two parts.

A. **Personality (Dr. A. P. Sealy).**

(a) The problems arising out of the comparison of clinical and statistical approaches to judgements of personality, whether in the context of personnel selection or in the context of psychotherapy. (b) The history and procedures of identifying and classifying psychological characteristics. (c) The analysis of individual differences in perceptual and cognitive processes, with special regard to the usefulness of such distinctions in the study and treatment of pathological conditions. (d) Stress and its consequences: an analysis of the physiological, affective and cognitive aspects of people's mode of coping with threatening and painful situations. (e) Sense of self and the processes leading to coping styles and creativity. (f) A study of the empirical evidence for psychoanalytic theories. (g) A comparative study of the contributions of the major thinkers in the subject of human personality. (h) The classification of the major psychopathological states; an introduction to theories of aetiology and to studies of the effectiveness of various treatment systems.

B. **Social Behaviour (Mr. A. D. Jones).**

The syllabus for this part of the course covers aspects of human behaviour which are the concern of various disciplines in the social sciences and where psychological theories have been applied. (a) Total institutions. The processes whereby hospitals, prisons, military and other residential institutions have an effect on their clientele and on their staff. (b) Group dynamics. The processes whereby small face-to-face groups influence the behaviour, judgements and development of individual people. (c) Prejudice. The contribution of psychology to understanding racial prejudice. (d) Gender. Comparison of the behaviour and aptitudes of males and females. (e) The psychological laboratory as a social institution. The roles of experimenter and subject. The obedience of subjects to the demands of the experimenter in the case of normal experimentation and in the case of altered states of consciousness such as hypnotism. (f) Economic development. The study of the motives and attitudes of entrepreneurs. Opinion leaders and attitudes towards changes in technology.

**Pre-Requisites:** There are no prerequisites for Diploma students. Undergraduates normally require a pass in the course unit **Introduction to Individual and Social Psychology** and students other than B.Sc. (Social

Psychology) students are subject to the constraint of numbers.

**Teaching Arrangements:** (Ps106) 15 weekly lectures beginning in the Michaelmas Term devoted to Part A and 15 weekly lectures beginning in the second half of the Michaelmas Term devoted to Part B. Classes are held weekly throughout the Session. Every student will be expected to present one paper in class and submit at least two essays to either teacher.

**Reading List:** No one book covers the entire syllabus. Students are advised to read the following:

S. Maddi, *Personality Theories*, Dorsey, 1968, subsequent editions: 1972 & 1980; C. Hall, & G. Lindzey, *Theories of Personality*, Wiley, 1957, subsequent editions: 1974 & 1981; S. Freud, *New Introductory Lectures on Psychoanalysis*, Penguin, 1974; R. Lazarus, *Psychological Stress and the Coping Process*, Wiley, 1972; T. Cox, *Stress*, Macmillan, London, 1978; N. Haan, *Coping & Defending*, Academic Press, New York, 1977; P. Kline, *Fact and Fantasy in Freudian Theory*, Methuen, 1972; E. Goffman, *Asylums*, 1969; P. Kelvin, *The Bases of Social Behaviour*, 1972; S. Milgram, *Obedience to Authority*, 1974; L. S. Wrightsman (Ed.), *Contemporary Issues in Social Psychology* (especially part 3), 1974.

**Examination Arrangements:** Students are examined in the Summer Term by a three-hour formal examination. Six questions cover Section A of the syllabus and six questions cover Section B. Students are required to answer two questions from each section. In addition candidates may submit up to two essays to the examiners. The marks obtained on these will not be used to lower the mark obtained at the examination but may be used to raise the final mark in borderline cases.

### Ps5422

#### Cognitive Psychology

**Teacher Responsible:** Dr. A. E. M. Seaborne, Room S385 (Secretary, Mrs. Pat Christopher, S316)

**Course Intended Primarily for** B.Sc. Soc. Psych. 2nd year, Diploma in Social Psychology, but is also open to other interested students.

**Scope:** The course is intended to build on cognitive aspects of first year courses and to provide basic coverage of work on learning, memory, thinking and perception.

**Syllabus:** The course will cover some aspects of learning, especially attention models, theories of social learning and cognitive and other models of behaviour modification. It will also be concerned with perceptual processes including perceptual learning, organisation and retrieval from long-term memory and semantic memory models and with conceptual processes such as problem solving, creativity, imagery and basic psycholinguistics.

**Pre-Requisites:** LSE undergraduates on degree courses are normally required to have taken the course 'Introduction to Individual and Social Psychology', other students are expected to have had equivalent courses in introductory psychology.

**Teaching Arrangements:** Weekly lectures (Ps109) and classes: Sessional.

**Written Work:** Classes are based on short papers presented usually by two members of each class. Students will generally present short papers twice per term. In addition, each student is asked to write one essay per term.

**Reading List:** The first three books in the list will be referred to more than the others. A. D. Baddeley, *The Psychology of Memory*, Harper International, 1976; S. H. Hulse, H. Egeth & J. Deese, *The Psychology of Learning*, McGraw Hill, 1980; P. N. Johnson-Laird & P. C. Wason (Eds.), *Thinking*, Cambridge University Press, 1977; N. Dixon, *Preconscious Processing*, Wiley, 1981; E. J. Gibson, *Principles of Perceptual Learning and Development*, Appleton Century Crofts, 1967; U. Neisser, *Cognition and Reality*, W. H. Freeman & Co., 1976; K. Oatley, *Perceptions and Representations*, Methuen, 1978; M. Piattelli-Palmarini, *Language and Learning*, Routledge & Kegan Paul, 1980.

**Examination Arrangements:** There is a three-hour examination in the Summer Term at which students are usually asked to answer four questions. In addition candidates may submit up to two essays to the examiners. The marks obtained on these will not be used to lower the mark obtained at the examination but may be used to raise the final mark in borderline cases.

#### Ps5501

### Advanced Study of Psychological Processes

**Teacher Responsible:** Dr. G. Gaskell, Room S307 (Secretary, S316)

**Course Intended Primarily for** B.Sc. c.u. main field Soc. Psych. 3rd year, Dip. Soc. Psych.

**Scope:** Five areas of psychology are considered in detail, these being epistemology, attitude theory, social attributions, judgement and decision making, group processes and collective behaviour.

**Syllabus:** The history and nature of empiricism in psychology and the impact of the dialectical school. Aspects of information processing, decision making, person perception, attribution theory, attitude change and social representations, the behaviour of individuals in groups and crowds.

**Pre-Requisites:** Ps106 **Personality and Social Behaviour.**

**Teaching Arrangements:** A sessional lecture course (Ps115). The following lectures are involved. **Dr. G. Gaskell, Mr. R. Holmes, Professor R. Farr, Mr. S. Wooler.**

**Written Work:** There are no requirements for written work, students are encouraged to write papers throughout the course which can be discussed with the lecturers.

**Reading List:** Reading lists will be distributed throughout the course.

J. R. Eiser, *Cognitive Social Psychology*, McGraw Hill, 1980; J. Perry & M. D. Pugh, *Collective Behaviour*, West. Pub. Co., 1978; R. Holmes, *Legitimacy and the Politics of the Knowable*, Routledge & Kegan Paul, 1976; T. S. Wallsten (Ed.), *Cognitive Processes in Choice & Decision Behaviour*, Lawrence Erlbaum Associates, 1980; M. Hewstone (Ed.), *Attribution*

*Theory: Social and Functional Extensions*, Blackwell, Oxford, 1983.

**Examination Arrangements:** There is a three-hour examination in the Summer Term based on the syllabus. Students are required to answer 4 questions. In addition candidates may submit up to two essays to the examiners. The marks obtained on these will not be used to lower the mark obtained at the examination but may be used to raise the final mark in borderline cases.

#### Ps5502

### Social Change and Social Organisations

(Not available 1985-86)

#### Ps5521

### Cognitive Development

**Teacher Responsible:** Dr. J. McShane, Room S384 (Secretary, Mrs. Pat Christopher, S316)

**Course Intended Primarily for** B.Sc. Psychology third year and Diploma in Social Psychology.

**Scope:** The course examines models of cognitive development, especially Piagetian, Information Processing, and Innatist models. The theoretical principles of a developmental model will be discussed and the various models examined in the light of these principles and of the empirical evidence.

**Syllabus:** Conditions for theories of cognitive development. Piaget's theory of intelligence in early childhood, especially in relation to number development and quantity reasoning. Theories of information processing and the role of memory in cognitive development. The role of innate factors in development, especially in relation to language development.

**Pre-Requisites:** Introductory courses in developmental and cognitive psychology.

**Teaching Arrangements:** Weekly two-hour seminars (Ps118) of which half will be a lecture and half a discussion.

**Reading List:** M. Boden, *Piaget*, Fontana, 1979; C. J. Brainerd, *Piaget's Theory of Intelligence*, Prentice-Hall, 1978; R. J. Sternberg (Ed.), *Mechanisms of Cognitive Development*; W. H. Freeman, 1984; M. Atkinson, *Explanations in the Study of Child Language Development*, Cambridge University Press, 1982; J. A. Fodor, *The Language of Thought*, M.I.T. Press, 1975.

**Examination Arrangements:** B.Sc. and Diploma: A two-hour examination in the Summer Term with students answering two questions from a choice of questions. In addition, B.Sc. students may submit an essay to the examiners. The mark obtained on this will not be used to lower the mark obtained at the examination but may be used to raise the final mark in borderline cases.

#### Ps5522

### Cognitive Structures

**Teacher Responsible:** Dr. P. C. Humphreys, Room S367 (Secretary, Mrs. Pat Christopher, S316)

**Course Intended Primarily for** B.Sc. Social Psychology third year and Diploma in Social Psychology. Other third year students in B.Sc. (Econ.), B.Sc. Sociology,

B.Sc. Anthropology may attend at their tutor's discretion, providing they have the basic prerequisites. **Scope:** Structural, social and communication aspects of cognition. Relations between cognitive, social and cultural structures. Cognitive structure and process within psychodynamic models.

**Syllabus:** The course will explore the following topics: The role of language in the communication and internalisation of messages: (i) representation and communication, (ii) interpretation of communication. Cognitive structure in semantic memory: manifest/latent structure, structure of language and of memory, primary/secondary process thought (role of metaphor and metonymy), dynamic structure. Relations between cognitive process and structure in dreams, the construction of poetry, reasoning and problem solving and in formal thought disorder. Positioning of a person's cognitive world within social and cultural structures. Role of myth in the cognitive mediation of social and cultural structures.

**Teaching Arrangements:** A two-hour weekly lecture/seminar (Ps122) during the Michaelmas Term.

**Reading List:** Reading lists for each of the major topics will be provided during the course. The following will be of general use within the course:

R. T. and F. de George, *The Structuralists*, Anchor, 1972; F. Jameson, *The Prisonhouse of Language*, Princeton, 1972; E. R. Leach, *Culture and Communication*, Cambridge, 1976; O. Mannoni, *Freud: The Theory of the Unconscious*, New Left Books, 1972; R. Barthes, *Mythologies*, Paladin, 1972; R. Coward and J. Ellis, *Language and Materialism*, Routledge, 1977.

**Examination Arrangements:** B.Sc. and Diploma: A two-hour examination in the Summer Term with students answering two questions from a choice of questions. In addition, B.Sc. students may submit an essay to the examiners. The mark obtained on this will not be used to lower the mark obtained at the examination, but may be used to raise the final mark in borderline cases.

#### Ps5523

### Collective Psychologies

**Teacher Responsible:** Professor R. M. Farr, Room S303 (Secretary, Morag Rennie, S304). Also participating, **Dr. C. Badcock.**

**Course Intended Primarily for** B.Sc. Social Psychology third year and Diploma in Social Psychology. With approval of the department other third year course unit students may attend this course. B.Sc. Sociology and B.Sc. Social Anthropology students are particularly welcome.

**Scope:** The aim of the course is to reconstruct, both logically and historically, some of the early forms of collective psychology and to assess their relevance in the context of modern research in psychology and in the other social sciences. The focus of interest is on the relation between psychology and other social sciences. **Syllabus:** Wundt's *Völkerpsychologie* (1900-20) will be considered in relation both to his experimental science and to the development of social sciences other than psychology. The impact of Le Bon's psychology of crowds on the study of mass phenomena will be traced.

A special study will be made of the collective psychologies developed by Freud. The relevance of the work in collective psychology to the study of scripts, plans and scenarios in modern cognitive science will be explored. If time permits some aspects of collective psychology in the Soviet Union will be looked at and comparisons drawn with Western research.

**Pre-Requisites:** Some prior knowledge of a social science or of social philosophy.

**Teaching Arrangements:** Ten two-hour weekly seminars (Ps123) throughout the Michaelmas Term.

**Written Work:** Students present papers in the seminar and are encouraged to write essays on topics agreed with the teacher.

**Reading List:** A. Nye, *The Origins of Crowd Psychology: Gustav Le Bon and the Crisis of Mass Democracy in the Third Republic*, Sage, 1975; S. Moscovici, *The Age of the Crowd*, Cambridge University Press, 1985; Articles by Danziger, Markova, Jahoda and Farr in R. M. Farr (Guest ed.), "History of Social Psychology" (*British Journal of Social Psychology*, Vol. 22, No. 4, November 1983, Special Issue); C. R. Badcock, *The Psychoanalysis of Culture*, Blackwell.

More detailed reading lists which include many journal articles are available from the Administrative Secretary (Morag Rennie).

**Examination Arrangements:** B.Sc. and Diploma: A two-hour examination in the Summer Term with students answering two from a choice of questions. In addition, B.Sc. students may submit an essay to the examiners. The mark obtained on this will not be used to lower the mark obtained in the examination but may be used to raise the final mark in borderline cases.

#### Ps5524

### Personality and Psychopathology

**Teacher Responsible:** Dr. A. P. Sealy, Room S387 (Secretary, Morag Rennie, S304)

**Course Intended Primarily for** B.Sc. Social Psychology third year and Diploma in Social Psychology.

**Scope:** The investigation of psychological processes involved in mental disorders, starting with a general discussion of psychological aspects of diagnosis. The disorders under consideration will include schizophrenia, psychopathy, depression and anxiety. There will also be a discussion of grief and bereavement and coping mechanisms in stressful circumstances.

**Syllabus:** The course will start with a general discussion of mental disorder, including models of psychiatric illness, differences between diagnosticians, the concept of "personal illness" and the views of T. Szasz. Arousal processes will be studied in relation to schizophrenia, early infantile autism, hyperactivity in children and psychopathy. Cognitive and behavioural problems will be discussed in relation to depression and schizophrenia. The impact of stressful life events will be discussed in relation to depression and anxiety. There will be a detailed discussion of grief and bereavement, as well as coping mechanisms in extreme or threatening situations.

**Pre-Requisites:** None for Psychology students. Other students may attend at the discretion of the teacher.

**Teaching Arrangements:** A weekly seminar course (Ps119) throughout the Michaelmas Term.

**Reading List:** T. Szasz, *The Myth of Mental Illness*, Paladin, 1971; R. D. Hare, *Psychopathy*, Wiley, 1970; T. Cox, *Stress*, MacMillan, 1978; B. Maher, *Principles of Psychopathology*, McGraw-Hill, 1966; H. J. Eysenck, *Handbook of Abnormal Psychology* (Revised Edition), Basic Books, 1978; B. Maher (Ed.), *Progress in Experimental Personality Research*, selected chapters from Vols. I to IX, Academic Press, 1964 onwards.

**Examination Arrangements:** A two-hour examination in the Summer Term with students answering two questions from a choice of questions. In addition, B.Sc. students *may* submit an essay to the Examiners. The mark obtained on this will not be used to lower the mark obtained at the examination but may be used to raise the final mark in borderline cases.

Ps5526  
Ps6414

### Applied Developmental Psychology

**Teacher Responsible:** Dr. J. McShane, Room S384 (Secretary, Mrs. Pat Christopher, Room S316)

**Course Intended Primarily for** B.Sc. Social Psychology third year, Diploma in Social Psychology and M.Sc. Psychology students.

**Scope:** The course examines various aspects of the interface between developmental theory and developmental intervention, especially in the area of education. Topics include learning difficulties, language, reading, and the effects of computers in education. The methodology of assessment techniques is a key issue.

**Syllabus:** Developmental deficit and developmental delay. Measuring developmental change in nature and in intervention. Task analysis and its role in intervention. Applications to the development of language and of reading. Identifying and treating learning difficulties. Can computers help children to learn?

**Pre-Requisites:** Introductory course in developmental psychology.

**Teaching Arrangements:** Weekly two-hour seminars (Ps150) of which half will be a lecture and half a discussion.

**Reading List:** M. Ainscow and D. A. Tweddle, *Preventing Classroom Failure: An Objectives Approach*, Wiley, 1980; M. Hughes, *Children and Number*, Blackwell, 1984; G. Lindsay (Ed.), *Screening for Children with Special Needs*, Croom-Helm, 1984; T. O'Shea and J. Self (Eds.), *Learning and Teaching with Computers*, Harvester, 1983.

**Examination Arrangements:** B.Sc. and Diploma: A two-hour examination in the Summer Term with students answering two questions from a choice of questions. In addition, B.Sc. students *may* submit an essay to the examiners. The mark obtained on this will not be used to lower the mark obtained at the examination but may be used to raise the final mark in borderline cases.

M.Sc.: a two-hour examination in the Summer Term with students answering questions from a choice of questions. Written work carried out during the session forms part of the assessment.

Ps5527  
Ps6418

### Life-Span Development Seminar

**Teacher Responsible:** Mr. A. D. Jones, Room S364 (Secretary, Morag Rennie, S304)

**Course Intended Primarily for** B.Sc. Social Psychology third year; M.Sc. Social Psychology and Diploma in Social Psychology.

**Scope:** The adult part of the human life-cycle: varieties of stages and patterns; transitions between stages; crises: examples selected from adolescence, family building, employment, old age; theories of adult development; the control of personal growth.

**Syllabus:** The adult part of the human life-cycle can be viewed as a series of stages involving a great variety of alternatives and choices. School, employment, marriage, parenting, career development, divorce, bereavement, retirement and death provide some of the framework for the stages. Movement between stages involves changes in family, work groups and social groups and changes in individual identity. The course will concentrate on the main life-span episodes and transitions between them. Theoretical perspectives include Erik Erikson on psychoanalytic issues, Vic Turner on the use of symbols and ritual and Peter Marris on coping with the loss of the past. The human potential movement will be examined as a psychological system enabling individual people to determine their own intellectual, emotional, behavioural and transpersonal growth.

**Pre-Requisites:** Students without a first degree in psychology should have completed at least two courses in psychology.

**Teaching Arrangements:** A weekly seminar course (Ps151) throughout Lent Term.

**Written Work:** Students will be expected to present material in the form of papers.

**Reading List:** D. C. Kimmel, *Adulthood and Ageing*, Wiley, 1974.

**Examination Arrangements:** M.Sc.: A two-hour examination in the Summer Term with students answering two questions from a choice of questions. Written work carried out during the Session forms part of the assessment. B.Sc. and Diploma: A two-hour examination in the Summer Term with students answering two questions from a choice of questions. In addition, B.Sc. students *may* submit an essay to the Examiners. The mark obtained on this will not be used to lower the mark obtained at the examination but may be used to raise the final mark in borderline cases.

Ps5528  
Ps6415

### Personality and Social Pathology

**Teacher Responsible:** Dr. A. P. Sealy, Room S387 (Secretary, Morag Rennie, S304)

**Course Intended Primarily for** B.Sc. Social Psychology third year; M.Sc. Social Psychology and Diploma in Social Psychology.

**Scope:** The role of psychological factors in the description and aetiology of social pathologies, especially juvenile delinquency, alienation and suicide

which will form a central part of the course. There will also be a discussion of self concept and psychopathology and of the social and personal processes involved in transition and change in therapeutic procedures.

**Syllabus:** The course will start a detailed account of psychological features in the aetiology of juvenile delinquency and differentiations within that area. There will be a discussion of labelling processes but with particular emphasis on the effects of labelling. Attention will be given to the processes and effects of training and rehabilitation schedules with regard to juveniles, including individual-institutional interactions. A central part of the course will consider the definition and historical origin of the concept of alienation and its relation to deviance and political involvement. The role of self in its social context will be analysed in relation of psychopathology. A consideration will be given to suicide. Finally, there will be an account of change and transition in psychotherapy as a combined function of disorder, personality and situation.

**Pre-Requisites:** None for Psychology students. Other students may attend at the discretion of the teacher.

**Teaching Arrangements:** A weekly seminar course (Ps152) throughout Lent Term.

**Reading List:** R. V. G. Clarke, *Designing Out Crime*, H.M.S.O., 1980; S. R. Brody, *The Effectiveness of Sentencing*, H.M.S.O., 1976; S. Cohen (Ed.), *Images of Deviance*, Pelican; D. B. Cornish and R. V. G. Clarke, *Residential Treatment and its Effects*, H.M.S.O., 1975; D. Farrington *et al.*, "The persistence of labelling effects", *British Journal of Criminology*, 18, pp. 227-289; H. C. Quay, *Juvenile Delinquency*, Van Nostrand, 1965.

**Examination Arrangements:** B.Sc. and Diploma: A two-hour examination in the Summer Term with students answering two questions from a choice of questions. In addition, B.Sc. students *may* submit an essay to the Examiners. The mark obtained on this will not be used to lower the mark obtained at the examination but may be used to raise the final mark in borderline cases.

M.Sc.: A two-hour examination in the Summer Term with students answering two questions from a choice of questions. Written work carried out during the Session forms part of the assessment.

Ps5529  
Ps6417

### Psychological Aspects of Legal Processes

**Teacher Responsible:** Dr. A. P. Sealy, Room S387 (Secretary, Morag Rennie, S304)

**Course Intended Primarily for** B.Sc. Social Psychology third year; M.Sc. Social Psychology and Diploma in Social Psychology. Graduate students in Law and Sociology and students in Social Administration may attend at the discretion of the teacher.

**Scope:** The application of psychological principles to legal processes: the analysis of some of the assumptions underlying court proceedings; the use of psychological factors in special court decisions, such as custody of

children and arrangements of domestic disputes: use of psychological techniques in forensic decisions, especially with regard to the prediction of parole success and the diagnosis of dangerousness.

**Syllabus:** The course will have three parts, one concerned with courts and their decision mechanisms; this will range from a study of juries through to an analysis of sentencing. The second part will concern itself with individuals and their behaviour within the system of criminal and civil justice: the identification and analysis of personal bias. The third part will concern itself with special judicial decisions, particularly those concerning children and their custody, dangerous offenders and their treatment and psychopathological offenders and their disposal.

This is *not* a course in law; its interest is to inquire into some of the psychological assumptions inherent in the forensic processes.

**Pre-Requisites:** Students without a first degree in psychology should have completed at least two courses in psychology.

**Teaching Arrangements:** A two-hour weekly seminar (Ps153) throughout the Lent Term.

**Reading List:** Kalven and Zeisel, *The American Jury*; R. F. Simon, *The Jury and the Rules of Insanity*, Brown, 1968; V. J. Konecni and E. B. Ebbesen, *The Criminal Justice System: A Social Psychological Analysis*, Freeman, 1982; S. Lloyd Bostock and B. R. Clifford, *Evaluating Witness Evidence*, Wiley, 1982; J. Gunn and D. Farrington, *Abnormal Offenders, Delinquency and the Criminal Justice Systems*, Wiley, 1982.

**Examination Arrangements:** B.Sc. and Diploma: A two-hour examination in the Summer Term with students answering two questions from a choice of questions. In addition, B.Sc. students *may* submit an essay to the Examiners. The mark obtained on this will not be used to lower the mark obtained at the examination but may be used to raise the final mark in borderline cases.

M.Sc.: A two-hour examination in the Summer Term with students answering two questions from a choice of questions. Written work carried out during the Session forms part of the assessment.

Ps5531  
Ps6416

### Social Psychology of the Media

**Teacher Responsible:** Dr. Patrick Humphreys, Room S346 (Secretary, Mrs. Pat Christopher, S316)

**Course Intended Primarily for** B.Sc. Social Psychology third year; Diploma in Social Psychology; M.Sc. Social Psychology and other interested students with appropriate prerequisites.

**Scope:** Role, function and effects of communications media: their involvement in processes of social influence and social change. Examination of media campaigns and communications effects studies.

**Syllabus:** The course has five parts:

(a) Introduction: The nature of communication. What makes communication effective? Problems in defining effectiveness: issues of cultural specificity and cultural barriers. Overview of research approaches to the study of mass media.

(b) Concepts and functions: Informational aspects of communications media: interpretation, coding and decoding. Motivational aspects: purposes and means of conveying communications; issues of ideology and impartiality. Changing conceptions of the mass addressed by mass media.

(c) Issues in the media: The media in relation to the status quo: emergence of film and TV regulation of content of novels, theatre, TV and film. Analysis of media images; reflections of pre-occupations of the era. Attempts at radicalisation through communications media: audience reactions (anticipated and unanticipated). Methods of negation and defusion of messages.

(d) Propaganda through the media: Development of propaganda techniques for use (i) within, (ii) between social systems (Germany in the 1930's, USA and UK in the Second World War, Cold War propaganda). Use and transformation of stereotypes. Advertising propaganda: decoding advertisements.

(e) Education through the media: Campaigns aimed at (i) health education, (ii) literacy, (iii) awareness of social problems.

**Pre-Requisites:** Students without a first degree in psychology should have completed at least two courses in psychology.

**Teaching Arrangements:** Two-hour weekly lecture/seminars (Ps155) in the Lent Term to be taught by Dr. Humphreys, Professor Himmelweit and Dr. Berkeley. Students on the course are also encouraged to attend to series of lectures (SA133) *Media and Society - Research and Policy Issues: Broadcasting, the Press and New Communications Technologies* given by Dr. Marjorie Ferguson of the Department of Social Science and Administration, and Professor Himmelweit.

**Reading List:** J. Curran, M. Gurevitch & J. Woollacott (Eds.), *Mass Communication and Society*, Arnold-Open University Press, 1979; T. Bennett, S. Boyd-Bowman, C. Mercer & J. Woollacott (Eds.), *Popular Television and Film*, BFI-Open University Press, 1981; J. Hartley, *Understanding News*, Methuen, 1982; D. McQuail, *Mass Communication Theory: An Introduction*, Sage, 1983.

Additional reading lists will be given out at the beginning of the Session.

**Examination Arrangements:** B.Sc. and Diploma: A two-hour examination in the Summer Term with students answering two questions from a choice of questions. In addition, B.Sc. students may submit an essay to the examiners. The mark obtained on this will not be used to lower the mark obtained at the examination but may be used to raise the final mark in borderline cases.

M.Sc.: A two-hour examination in the Summer Term with students answering two questions from a choice of questions. Written work carried out during the session forms part of the assessment.

Ps5532

Ps6422

### Sociological Forms of Social Psychology

**Teacher Responsible:** Professor R. M. Farr, Room S303 (Secretary, Morag Rennie, S304)

**Course Intended Primarily for** B.Sc. Social Psychology third year; M.Sc. Social Psychology students. B.Sc. and M.Sc. students in Sociology, Anthropology and Philosophy are also welcome.

**Scope:** To examine some of the forms of social psychology which have developed in social sciences other than psychology and to relate them, conceptually and historically, to traditions of research in social psychology within psychology.

**Syllabus:** A special study will be made of the social philosophy of G. H. Mead and the issue will be raised as to whether the "social behaviourism" of Mead and the "symbolic interactionism" of Blumer are one and the same tradition of social psychology. The argument will be developed that they are not. Other forms of social psychology within the Chicago School will be examined e.g. the work of Thomas and possibly also the work of Thurstone. Contemporary French research on social representations will be examined in the light of Durkheim's distinction between collective and individual representations. Ichheiser's monograph on the ideology of success and failure and on the sociology of human relations will be critically evaluated and its influence traced in the work of Goffman on the presentation of self in everyday life and in Heider's work on the psychology of inter-personal relations.

**Pre-Requisites:** Some prior knowledge of a social science or of social philosophy.

**Teaching Arrangements:** Ten two-hour weekly seminars (Ps162) throughout the Lent Term.

**Written Work:** Students present papers in the seminar and are encouraged to write essays on topics agreed with the teacher. An essay is a required part of the M.Sc. degree work.

**Reading List:** G. H. Mead, *Mind, Self and Society: From the standpoint of a social behaviourist*, University of Chicago Press, Chicago, 1934; R. M. Farr and S. Moscovici (Eds.), *Social Representations*, Cambridge University Press, 1984; P. Rock, *The Making of Symbolic Interactionism*, Macmillan, 1979; H. Blumer, *Symbolic Interactionism: Perspective and Method*, Prentice Hall, Englewood Cliffs, N. J., 1969; G. Ichheiser, "Misunderstandings in Human Relations: A study in false social perception," *American Journal of Sociology*, Monograph, 1949; M. Bulmer, *The Chicago School of Sociology*, University of Chicago Press, Chicago, 1984.

More detailed reading lists are available from the Administrative Secretary (Morag Rennie).

**Examination Arrangements:** B.Sc.: A two-hour examination in the Summer Term with students answering two questions from a choice of questions. Written work carried out during the Session forms part of the assessment. In addition students may submit an essay to the examiners. The mark obtained on this will not be used to lower the mark obtained at the

examination but may be used to raise the final mark in borderline cases.

M.Sc.: A two-hour examination in the Summer Term with students answering two questions from a choice of questions. Written work carried out during the session forms part of the assessment.

Ps6414

### Applied Developmental Psychology

See Ps5526

Ps6415

### Personality and Social Pathology

See Ps5528

Ps6416

### Social Psychology of the Media

See Ps5531

Ps6417

### Psychological Aspects of Legal

#### Processes

See Ps5529

Ps6418

### Life-Span Development Seminar

See Ps5527

Ps6419

### Decision Making and Decision Support Systems

**Teacher Responsible:** Dr. Patrick Humphreys, Room S367 (Secretary, S316)

**Course Intended Primarily for** those taking the M.Sc. in Social Psychology; students taking other M.Sc. courses who can take an outside paper are also welcome.

**Scope:** Personal, organizational and social decision making; analysing and aiding decision processes; resolution of conflicting objectives; decision support systems.

**Syllabus:** This course examines issues in personal and social decision making, looking at how we can describe the processes involved in forming judgements, planning actions and evaluating their consequences; what happens in societal decision making when people have conflicting objectives; how risk is experienced and analysed. Techniques for aiding decision making are explored, and ways in which decision support systems are used in organizations are investigated.

**Pre-Requisites:** Some background knowledge is desirable in one or more of the fields of cognitive psychology, operations research, systems analysis or management. Only an elementary level of mathematical ability is assumed, together with some capacity for logical analysis of subjective phenomena.

**Teaching Arrangements:** Two-hourly weekly lecture/seminars (Ps163) during the Lent Term. Interactive computer-based techniques for modelling and aiding

decision making will be introduced through the seminar, and participants will have the opportunity to explore these techniques further outside the seminar. **Written Work:** Students present papers in the seminar and are encouraged to write essays and prepare reports.

**Reading List:** This field is one which is developing rapidly, and there is no overall textbook which adequately covers current issues across the whole syllabus. Recent books which provide partial coverage are:

R. W. Scholz (Ed.), *Decision Making Under Uncertainty*, North Holland, 1983; P. C. Humphreys, O. Svenson & A. Vari (Eds.), *Analysing & Aiding Decision Processes*, North Holland, 1983; I. L. Janis & L. Mann, *Decision Making*, Free Press, New York, 1977; T. S. Wallsten, *Cognitive Processes in Choice and Decision Making*, Lawrence Erlbaum Associates, Hillsdale, N.J., 1980; K. Borcharding et al., *Research Perspectives on Decision Making Under Uncertainty*, North Holland, 1984.

Detailed reading lists, including reviews published in journals and some key references for the individual topics covered will be given out during the seminars.

**Examination Arrangements:** A two-hour examination in the Summer term with students answering two questions from a choice of questions. Written work carried out during the session forms part of the assessment.

Ps6420

### People and Organisations

**Teacher Responsible:** Mr. R. Holmes, Room S313 (Secretary, Mrs. Pat Christopher, S316)

**Course Intended Primarily for** those taking the M.Sc. in Social Psychology; students taking other M.Sc. courses who can take an outside paper are also welcome.

**Scope:** The course is primarily concerned to give the psychological underpinning of 'organisational' phenomena - cf. of the formal role, the nature of power, etc. This approach is based on elementary psychological considerations which can be described as Freud modified by Piaget.

**Syllabus:** The nature of power, legitimacy and authority; groups and leadership; work - alienation and incentives; communication in organisations; the usefulness of the concept of systems for describing and/or explaining organisational phenomena.

**Pre-Requisites:** No previous knowledge of psychology is wholly necessary, but on the whole it will be assumed that the students are familiar with a certain amount of basic psychology.

**Teaching Arrangements:** A weekly seminar (Ps161) in the Lent Term.

**Reading List:** The best idea of the approach taken is that of the teacher's:

Roger Holmes, *Legitimacy & the Politics of the Knowable*, (Routledge & Kegan Paul, 1976). Reading lists on various topics will be handed out and discussed during the course.

**Examination Arrangements:** A two-hour seminar in the Summer Term. Written work carried out during the session forms part of the assessment.



Ps6422

**Social Forms of Social Psychology**  
See Ps5532

Ps6423

**Contemporary Social Psychology**

**Teacher Responsible:** Professor R. M. Farr, Room S303 (Secretary, Morag Rennie, S304). Other participants: Dr. Gaskell, Dr. Humphreys and Dr. Sealy.

**Course Intended Primarily for** M.Sc. Social Psychology. Students taking other M.Sc. courses are also welcome.

**Scope:** Selected topics in modern social psychology.

**Syllabus:** The historical background of modern social psychology. Scripts, plans, scenarios and other collective representations in modern cognitive science. Collective representations and attitudes. The social psychology of mind and behaviour. Social interaction and the dynamics of small groups. Collective behaviour and inter-group relations. Social attitudes, social identity theory and relative deprivation. Changing attitudes. Computer simulation of psycho-dynamic theory. Cognitive, linguistic and mnemonic processes in a specific and demanding social situation: the validity and reliability of witness testimony in court.

**Pre-Requisites:** An Honours Degree in psychology.

**Teaching Arrangements:** 20 two-hour lecture sessions (Ps160) in the Michaelmas and Lent Terms.

**Reading List:** J. C. Turner and H. Giles (Eds.), *Intergroup Behaviour*, Blackwell, 1981; H. Tajfel, *Human Groups and Social Categories: Studies in social psychology*, Cambridge University Press, 1981; S. Lloyd Bostock and B. Clifford, *Evaluating Witness Evidence*, Wiley, 1983; J. R. Eiser, *Cognitive Social Psychology*, McGraw-Hill, 1980; R. M. Farr and S. Moscovici (Eds.), *Social Representations*, Cambridge University Press, 1984; M. Hewstone (Ed.), *Attribution Theory: Social and functional extensions*, Blackwell, 1983; H. T. Himmelweit, P. Humphreys and M. Jaeger, *How Voters Decide* (revised and updated edition), Open University Press, 1985; M. Cook (Ed.), *Issues in Person Perception*, Methuen, 1984; S. Stich, *Folk Psychology and Cognitive Science*, M.I.T. Press, 1981.

**Examination Arrangements:** There will be a three-hour examination in the Summer Term with students answering three questions from a choice of questions. Written work carried out during the session forms part of the overall assessment of the course.

Ps6498

**Methods of Research in Social Psychology**

**Teachers Responsible:** Dr. G. D. Gaskell, Room S307 (Secretary, S316), Professor R. M. Farr, Room S303 (Secretary, Morag Rennie, S304), Dr. P. C. Humphreys, Room S367 (Secretary, S316), Dr. A. P. Sealy, Room S387, (Secretary, Morag Rennie, S304) and Dr. J. E. Stockdale, Room S386 (Secretary, S316) and Mr. A. Wells.

**Course Intended Primarily for** M.Sc. Social Psychology and M.Phil students in Social Psychology; B.Sc. Social Psychology 3rd year.

**Scope:** The course has four components:

- (i) **Principles of Social Research**
- (ii) **Research Techniques**
- (iii) **Advanced Data Analysis**
- (iv) **Further Statistical Methods** (given by Professor D. J. Bartholomew, Statistics Department)

**Syllabus:**

(i) **Principles of Social Research.** Introduction to the philosophy of scientific method, the design and analysis of experiments and quasi-experiments, social artefacts in research, interviewing and participant observation, attitude measurement, evaluation research, personality assessment and the criteria for assessing psychometric scales and social research.

(ii) **Research Techniques.** A series of workshops and practicals covering attitude measurement and questionnaire design, the assessment of personality, interviewing, content analysis and the use of micro-computers for on-line control of experiments and word processing. The presentation of research reports.

(iii) **Advanced Data Analysis.** The use of the SCSS and SPSSX computer packages for analysis of social data.

(iv) **Further Statistical Methods (SM268):** Non-parametric techniques including Multivariate Statistics and **Applied Multivariate Analysis (SM259).**

(Students should consult Study Guides SM6499 and SM8255).

**Teaching Arrangements:** The course is taught by means of lectures and practical sessions (Ps165) mainly in the Michaelmas Term. Course work includes regular assignments and exercises on research techniques, computer analysis of data and statistics.

**Reading List:** G. Hoinville and R. Jowell, *Social Research Practice*, Heinemann, 1978; T. D. Cook and D. T. Campbell, *Quasi-Experimentation Design and Analysis*, Rand McNally, 1979; L. J. Cronbach, *Essentials of Psychological Measurement*; W. M. Crano and M. Brewer, *Principles of Research in Social Psychology*, McGraw Hill, 1973.

**Examination Arrangements:** The Statistics course is assessed by means of a formal three-hour test in May, together with the marks for two written assignments carried out during the course. Principles of Social Research and Research Techniques will be assessed on the basis of course work and a written examination.

Ps6499

**Report**

**Teacher Responsible:** All members of the Department may be involved in the supervision of the research project on which the Report is based.

**Course Intended Primarily for** M.Sc. Social Psychology.

**Scope:** It is equivalent in value to one-eighth of the year's work. This is roughly equivalent to three weeks' full-time work on the project alone. It is the Report of an empirical investigation carried out on the student's own initiative.

**Selection of Topic:** Towards the end of the Michaelmas Term a "Project Shop Window" Meeting is held at

which members of staff will outline the research areas in which they would be willing to supervise projects. Students must obtain the approval of their Supervisors before embarking on the empirical part of their investigation.

**Arrangements for Supervision:** In the first instance students should approach the member of staff whom they think is best qualified to supervise the research they have in mind. The function of the Supervisor is to advise the student by providing information and by identifying problems in the proposed research that might not have occurred to the student. The student is not required to accept this advice.

**Examination Arrangements:** Two copies of the Report must be handed in to the Departmental Office by 30th June, or two weeks after the date of the last written paper whichever is the later. It is preferable if the Report is a typewritten one. It must not exceed 10,000 words in length.

**SOCIAL SCIENCE AND ADMINISTRATION**

This section is in two parts. The first part lists the lectures and seminars given by the department. The list provides a cross reference to the Study Guide(s) in which the syllabus and the reading list associated with the lecture or seminar can be found. The second part contains the Study Guides, presented in Study Guide number sequence.

**Lectures and Seminars**

Lecture/ Seminar Number		Study Guide Number
SA100	<b>Introduction to Social Policy</b> Professor B. Abel-Smith and Professor H. Glennerster	23/MLS SA5600
SA101	<b>History of Social Policy in the Nineteenth and Twentieth Centuries</b> Dr. J. Lewis	20/ML SA5612
SA102	<b>The Foundations of Post-War Social Policy</b> Professor H. Glennerster, Mr. M. Reddin, Dr. J. W. Carrier, Dr. M. R. Ferguson, Dr. P. H. Levin and Miss S. B. Sainsbury	20/ML SA5612; SA6600; SA6611; SA6630
SA103	<b>Social Policy</b> Dr. J. W. Carrier, Professor H. Glennerster and Mr. M. Reddin	23/MLS SA5720; SA6610; SA6611; SA6630
SA104	<b>Explaining Social Policy</b> Dr. P. H. Levin	10/M SA5620
SA105	<b>Contemporary Aspects of Social Work and Social Administration</b> Mr. H. B. Rees and others	10/L
SA109	<b>Sociology and Social Policy</b> Dr. D. M. Downes, Dr. J. W. Carrier, Dr. M. R. Ferguson and Dr. M. I. A. Bulmer	25/MLS SA5613; SA6601
SA111	<b>Introduction to Social Work and Social Work Method</b> Mr. H. B. Rees and others	10/L
SA112	<b>Values and Ethics in Social Work</b> Mr. H. B. Rees	3/L
SA113	<b>Data Analysis for Social Policy and Administration</b> Mrs. D. Irving	10/M
SA114	<b>Statistics and Computing in Social Investigation</b> Mrs. D. Irving	10/M SA5622
SA115	<b>Methods of Social Investigation</b> Dr. M. I. A. Bulmer and Mr. G. Rose	20/ML SA5622; So5801

Lecture/ Seminar Number		Study Guide Number
SA116	<b>Psychology in Social Administration</b> Dr. N. Madge	10/ML SA5752; SA5753; SA6601
SA120	<b>Social and Political Theory</b> Dr. D. M. Downes	SA5725
SA121	<b>Educational Policy and Administration</b> Dr. M. R. Ferguson	10/M SA5730
SA122	<b>Race Relations and Ethnic Minority Groups</b> (Not available 1985-86) Dr. M. I. A. Bulmer and Dr. J. W. Carrier	25/MLS SA5754
SA123	<b>Personal Social Services</b> Miss S. B. Sainsbury	10/M SA5731; SA6642
SA124	<b>Social Policy in Developing Countries</b> (Not available 1985-86)	20/M
SA125	<b>Urban Planning and Housing Policies</b> Dr. P. H. Levin	10/M SA5732; SA6643
SA126	<b>Health Policy and Administration</b> Professor B. Abel-Smith, Mrs. D. Irving and Dr. J. W. Carrier	20/ML SA5733; SA6640
SA127	<b>Social Theory and Social Policy 1870-1918</b> Dr. J. E. Lewis	23/MLS SA5751
SA128	<b>Sociology of Deviance and Control</b> Dr. D. M. Downes	10/M SA5734
SA129	<b>Social Security</b> Mr. D. F. J. Piachaud and Mr. M. Reddin	15/ML SA5735; SA6641
SA130	<b>Social Economics</b> Mr. D. F. J. Piachaud and Dr. J. Roberts	20/ML SA5614; SA6600
SA132	<b>The Finance of the Social Services</b> (Not available 1985-86) Professor H. Glennerster	20/ML SA5755
SA133	<b>Media and Society: Social and Communications Policy</b> Dr. M. R. Ferguson and Professor H. Himmelweit	6/L SA133
SA151	<b>Social Policy and Administration — Seminar</b> Professor B. Abel-Smith and Professor H. Glennerster	50/MLS SA6630
SA152	<b>Social Planning — Seminar</b> Professor H. Glennerster	25/MLS SA6630; SA6631; SM8359
SA153	<b>Social Policy Research — Seminar</b> Dr. M. I. A. Bulmer	20/M SA153; SA6630; SA6631

<i>Lecture/ Seminar Number</i>		<i>Study Guide Number</i>	
SA154	<b>Health Service — Seminar</b> Mrs. D. Irving, Dr. J. W. Carrier and Professor B. Abel-Smith	25/MLS	SA6640
SA155	<b>Income Maintenance and Social Security Policies — Seminar</b> Mr. M. Reddin and Mr. D. F. J. Piachaud	25/MLS	SA6641
SA156	<b>Personal Social Services — Seminar</b> Miss S. B. Sainsbury	25/MLS	SA6642
SA157	<b>Housing and Urban Planning — Seminar</b> Dr. P. H. Levin	25/MLS	SA6643
SA158	<b>Educational Policies and Administration — Seminar</b> Dr. M. R. Ferguson	25/MLS	SA6644
SA159	<b>Data Analysis for Social Policy and Planning</b> Mrs. D. Irving	10/M	SA159
SA160	<b>Research Seminar in Social Administration</b> Dr. M. I. A. Bulmer	15/MLS	SA160
SA161	<b>Social Research and Social Administration (A) Research Forum</b> Professor B. Abel-Smith	10/ML	SA161
	<b>(B) Research Methodology</b> Dr. M. I. A. Bulmer and Dr. J. Lewis	10/ML	SA161
SA163	<b>Data Analysis for Research in Social Administration</b> Mrs D. Irving	10/L	SA163
SA170	<b>Planning Theory and the Context of Planning</b> Dr. A. L. Hall and Mrs. M. G. W. Hardiman	25/MLS	SA6740
SA171	<b>Planning Methods (Workshop)</b> Mrs. M. G. W. Hardiman, Mr. A. Cornford and Mr. D. Narine	25/MLS	SA6740
SA172	<b>Social Policy and Planning in Developing Countries</b> Mrs. M. G. W. Hardiman	50/MLS	SA6760
SA173	<b>Social Research Methods and Planning Techniques in Developing Countries — Seminar</b> Dr. M. I. A. Bulmer, Mr. D. F. J. Piachaud, Mr. A. Cornford, Dr. A. L. Hall and Professor H. Glennerster	23/MLS	SA173; SA6760
SA174	<b>The Governmental Context of Development</b> Mr. D. F. Dawson	25/MLS	SA6740
SA175	<b>Economic Aspects of Social Planning in Developing Countries — Class</b> Mr. D. F. J. Piachaud	20/LS	SA6740

<i>Lecture/ Seminar Number</i>		<i>Study Guide Number</i>	
SA176	<b>Problems of Health and Disease — Seminar</b> Dr. J. W. Carrier, Mr. D. F. J. Piachaud, Professor B. Abel-Smith and Dr. Walt	25/MLS	SA6741; SA6761
SA177	<b>The Planning of Family Welfare Service and Social Security — Seminar</b> Mr. M. Reddin and Mrs. S. Crowe	25/MLS	SA6742; SA6762
SA178	<b>Rural Development — Seminar</b> Dr. A. L. Hall	25/MLS	SA6743; SA6764
SA179	<b>Social and Economic Aspects of Urbanisation</b> Dr. J. Midgley, Mr. D. Narine and Dr. M. J. Hebbert	26/MLS	SA6744; SA6763
SA180	<b>Social Implications of Education — Seminar</b> Dr. A. L. Hall	25/MLS	SA6745; SA6765
SA185	<b>Legal Framework of Housing Studies: Housing Law</b> Professor M. Zander and Mr. M. Loughlin	10/L	SA6772
SA186	<b>Housing Economics and Housing Finance</b> Dr. C. M. E. Whitehead and Professor H. Glennerster	25/LS	SA6773
SA187	<b>Housing Policy and Administration</b> Mrs. A. Power and Dr. P. Dunleavy	25/MLS	SA6770
SA302	<b>Issues and Problems in Society</b> Dr. J. W. Carrier and others	15/ML	SA6680; SA6681; SA6700; SA6701; SA6702
SA303	<b>Human Growth Behaviour</b> Miss Z. Butrym and others	20/ML	SA6680; SA6681; SA6700; SA6702
SA305	<b>Themes in Clinical Psychiatry</b>	10/M	SA6680; SA6681; SA6700; SA6701; SA6702
SA306	<b>Child Psychiatry</b> Dr. P. Hill	10/L	SA6680; SA6681; SA6700; SA6701; SA6702
SA307	<b>Mental Handicap</b> Dr. J. Clements	4/S	SA6680; SA6681; SA6700; SA6701; SA6702

Lecture/ Seminar Number		Study Guide Number	
SA308	<b>Probation Practice and Policy</b> Mr. H. B. Rees	10/M	SA6680; SA6700; SA6701
SA309	<b>Group Processes</b> Mrs. P. Norton	15/ML	SA6680; SA6700
SA311	<b>Social Policy and Administration</b> Dr. M. Brown and Professor H. Glennerster	15/ML	SA6700; SA6701
SA312	<b>The Social Work Electives</b> <b>Child Welfare</b> Mrs. M. Gibb <b>Old Age and Physical Disability</b> Miss Z. T. Butrym <b>Mental Health and Disability</b> Dr. S. Ramon and Mrs. J. Harwin <b>Crime and Delinquency</b> Mr. D. Cornish	15/ML	SA6680; SA6681; SA6700; SA6700; SA6701; SA6702
SA313	<b>Law, Rights and Social Work</b> Professor M. Zander and others		SA6680; SA6681; SA6700; SA6701
SA314	<b>Social Work Legislation</b> Mr. H. B. Rees and others	5/S	SA6680; SA6700; SA6701
SA315	<b>Social Work Studies</b> Miss Z. Butrym	27/MLS	SA6681; SA6700; SA6701; SA6702
SA316	<b>Social Work Practice</b> Mrs. J. Harwin and Dr. S. Ramon	27/MLS	SA6700; SA6701; SA6702
SA317	<b>Issues in Social Policy Seminars</b> Professor H. Glennerster and Mr. M. Reddin	15/ML	SA6700; SA6701
SA318	<b>Introduction to Social Work</b> Miss Z. Butrym	10/M	SA6680
SA319	<b>Social Work Practice</b> Mrs. J. Harwin and Mrs. R. Rachman	27/MLS	SA6680; SA6681
SA320	<b>Psychology and Social Work</b> Mr. D. Cornish	20/M	SA6680; SA6681; SA6700; SA6701; SA6702
SA321	<b>Psychology and Social Work Seminars</b> Mr. D. Cornish	15/MLS	SA6680; SA6681
SA322	<b>Social Research</b> Mr. D. Cornish	8/M	SA6680

Lecture/ Seminar Number		Study Guide Number
SA322a	<b>Social Research Seminars</b> Mr. D. Cornish	27/MLS SA6680
SA323	<b>Introduction to Social Policy and Administration</b> Professor H. Glennerster	10/M SA6680
SA323a	<b>Introduction to Social Policy and Administration Seminars</b> Dr. M. Brown	15/ML SA6680
SA324	<b>Sociology and Social Welfare</b>	10/ML SA6680
SA326	<b>Innovation in Social Work</b> Dr. S. Ramon and others	6/S SA6700

## Study Guides

SA113

**Data Analysis for Social Policy and Administration****Teacher Responsible:** Doreen Irving, Room A257 (Secretary, Elizabeth Plumb, A280)**Course Intended Primarily for** Diploma in Social Policy and Administration.**Scope:** The course introduces students to computing with SCSS, the interactive version of the Statistical Package for the Social Sciences (SPSS). The uses of statistical techniques in social policy and administration are illustrated with examples of data from various sources.**Teaching Arrangements:** 10 classes, Michaelmas Term.**Examination Arrangements:** This course is not examined and is not intended as preparation for any particular examination.

SA133

**Media and Society: Social and Communications Policy Issues****Teacher Responsible:** Dr. M. Ferguson, Room A274 (Secretary, Caroline Raffan, A244)**Course Intended Primarily for** B.Sc. SS. & A. 3rd year; B.Sc. (Econ.) Part II; Optional for M.Sc.**Syllabus:** The role of the media: a comparative approach to key issues in communications policy – the social, economic and ethical implications of the new technologies (eg. cable television and direct satellite broadcasting); trends in media ownership; issues of press freedom with reference to media ownership, government regulation and the free market. The media – audience – society relationship: the interaction between producers, messages, audiences and cultural and political life. The role of the media in presenting social policy issues.**Teaching Arrangements:** Six lectures (SA133) in the Michaelmas Term.**Reading List:** D. McQuail, *Mass Communication*; E. Katz & T. Szecskö, *Mass Media and Social Change*; G. O. Robinson (Ed.), *Communications for Tomorrow: Policy Perspectives for the 1980s*; B. M. Compaigne et al., *Who Owns the Media? Concentration of Ownership in the Mass Communications Industry* (2nd edn.); Report of the International Commission for the Study of Communication Problems, *Many Voices, One World*, UNESCO, 1980; M. Jussawalla & D. Lamberton (Eds.), *Communication Economics and Development*; T. L. McPhail, *Electronic Colonialism, the Future of International Broadcasting and Communication*; J. Curran & J. Seaton, *Power Without Responsibility, the Press and Broadcasting in Britain*; P. Golding & S. Middleton, *Images of Welfare, Press and Public Attitudes to Poverty*.**Examination Arrangements:** This course is non-examinable.SA153  
SA153a**Social Policy Research****Teacher Responsible:** Dr. M. Bulmer, Room A224 (Secretary, Caroline Raffan, A244)**Course Intended Primarily for** M.Sc. Soc. Pol. & Plan.; M.Phil.; Ph.D.; optional for M.Sc. Soc. Pol. & Soc. Work.**Scope:** Methodological problems of social research into social policy; interdisciplinary relationships in a research setting. Types of enquiry: (a) theory-testing; (b) description; (c) policy-evaluation; (d) action-research. Problem selection and concept definition. Research design. Data collection. Data analysis. Quantitative methods in policy research. Polling and attitude surveys. Population projections. Uses and limitations of social indicators. The application of social research; its place in the policymaking process.  
**Teaching Arrangements:** Weekly lectures and seminars, Michaelmas Term (SA153 and SA153a).**Reading List:** M. Bulmer, *The Uses of Social Research*; M. Bulmer (Ed.), *Social Policy Research*; A. Ryan (Ed.), *The Philosophy of Social Explanation*; R. Berger and F. Cioffi (Eds.), *Explanation in the Behavioural Sciences*; M. & C. W. Sherif, *Interdisciplinary Relationships in the Social Sciences*; A. Forster, *Concepts in Social Administration*; C. Sellitz, *Research Methods in Social Relations*; H. W. Smith, *Strategies of Social Research*; E. R. Tuft, *The Quantitative Analysis of Social Problems*; R. Lees, *Research Strategies for Social Welfare*; M. Susser, *Casual Thinking in the Health Sciences*; A. S. C. Ehrenberg, *Data Reduction*; P. R. Cox, *Demography*; W. J. M. Mackenzie, *Biological Ideas in Politics*; M. Spiers, *Techniques and Public Administration*; A. Shonfield and S. Shaw, *Social Indicators and Public Policy*; O. Morgenstern, *On the Accuracy of Economic Observations*; T. Tripodi, *Uses and Abuses of Research in Social Work*; E. Suchman, *Evaluative Research*; M. Shipman (Ed.), *The Organisation and Impact of Social Research*; M. Rein, *Social Science and Public Policy*; J. Barzun and H. E. Graff, *The Modern Researcher*; M. Bulmer (Ed.), *Social Research and Royal Commissions*; D. Rhind, *A Census User's Handbook*.

SA159

**Data Analysis for Social Policy and Planning****Teacher Responsible:** Doreen Irving, Room A257 (Secretary, Elizabeth Plumb, A280)**Course Intended Primarily for** M.Sc. Social Policy and Planning.**Scope:** The course introduces students to computing with SCSS, the interactive version of the Statistical Package for the Social Sciences (SPSS). The uses of statistical techniques in social policy and planning are illustrated with examples of data from various sources.  
**Teaching Arrangements:** 10 seminars, Michaelmas Term.**Examination Arrangements:** This course is not examined and is not intended as preparation for any particular examination.

SA160

**Seminars in Social Administration****Teacher Responsible:** Dr. M. Bulmer, Room A224 (Secretary, Caroline Raffan, A244)**Course Intended Primarily for** Staff and graduate students.**Scope:** Presentation and discussion papers based on research in progress.**Teaching Arrangements:** Sessional seminars.

SA161

**Social Research and Social Administration (Seminar)****Teachers Responsible:** Professor B. Abel-Smith, Room A243 (Secretary, Caroline Raffan, A244) and Dr. M. Bulmer Room A224 (Secretary, Caroline Raffan, A244)**Course intended Primarily for** M.Phil and Ph.D. students.**Scope:** This seminar provides an opportunity for graduate students to examine different methodological approaches and consider methodological problems encountered in the planning, conduct and writing up of individual pieces of research carried out for a higher degree by thesis. Considerable emphasis is placed on the needs of individual students. The seminar is divided into two parts, which meet on alternate weeks: (i) research in social policy and administration: a seminar with an emphasis upon substantive research and the presentation of research results; (ii) methodological strategy: a seminar with an emphasis upon the planning and procedures of empirical research in the social policy field.**Reading List:** J. Barzun and H. E. Graff (Eds.), *The Modern Researcher*; A. Ryan (Ed.), *The Philosophy of Social Explanation*; H. W. Smith, *Strategies of Social Research: the methodological imagination*; R. Wax, *Doing Field Work: Warnings and Advice*; J. Robinson, *Economic Philosophy*; A. J. Culyer, *The Political Economy of Social Policy*; E. H. Carr, *What is History?*; M. Carley, *Social Measurement and Social Indicators*; M. Rein, *Social Science and Public Policy*; R. Plant et al., *Political Philosophy and Social Welfare*; M. Bulmer, *The Uses of Social Research*.

SA163

**Data Analysis for Research in Social Administration****Teacher Responsible:** Doreen Irving, Room A257 (Secretary, Elizabeth Plumb, A280)**Course Intended Primarily for** research students in Social Administration.**Scope:** The course introduces students to computing with SCSS, the interactive version of the Statistical Package for the Social Sciences (SPSS). The uses of statistical techniques for research in social administration are illustrated with examples of data from various sources.**Teaching Arrangements:** 10 seminars, Lent Term.**Examination Arrangements:** This course is not examined and is not intended as preparation for any particular examination.

SA173

**Social Research Methods and Planning Techniques in Developing Countries (Seminar)****Teachers Responsible:** Dr. M. Bulmer, Room A224, Mr. A. Cornford, Room S105A, Mr. Piachaud, Room A284, Dr. A. Hall, Room A260 and Professor H. Glennerster, Room A279.**Course Intended Primarily for** M.Sc. Social Planning in Developing Countries and interested graduate students.**Scope:** Methods of social research in developing countries. Censuses. Surveys. Sampling. Special problems of field work in the Third World. Social Indicators. Operational research techniques. Project appraisal. Cost-benefit analysis.**Teaching Arrangements:** Weekly seminars, Michaelmas and Lent Terms.**Reading List:** M. Bulmer & D. P. Warwick (Eds.), *Social Research in Developing Countries: Surveys and Censuses in the Third World*; D. Casley & D. Lury, *Data Collection in Developing Countries*; M. Peil, *Social Science Research Methods: an African Handbook*; W. O. Barr et al., *Survey Research in Africa*; D. P. Warwick and C. Linniger, *The Sample Survey*; S. Pausewang, *Methods and Concepts of Social Research in a Developing Country*; E. Sheldon and W. Moore, *Indicators of Social Change*; M. Baster (Ed.), *Measuring Development*; W. Petersen, *Population*; A. K. Sen, *Poverty and Famines*; H. S. Shryock and J. S. Siegel, *The Methods and Materials of Demography*; M. Carley, *Social Measurement and Social Indicators*; R. L. Ackoff and M. Sasieni, *Fundamentals of Operations Research*; W. E. Duckworth, A. E. Gear and A. G. Lockett, *A Guide to Operational Research*; J. Lighthill, *Newer Uses of Mathematics*; R. Layard (Ed.), *Cost-Benefit Analysis*; E. Mishan, *Elements of Cost Benefit Analysis*; P. Dasgupta et al., *Guidelines for Project Appraisal*; J. Midgley & D. Piachaud (Eds.), *The Fields and Methods of Social Planning*.

SA5600

**Introduction to Social Policy****Teacher Responsible:** Professor B. Abel-Smith, Room A243 (Secretary, Caroline Raffan, A244)**Course Intended Primarily for** B.Sc. (Econ.) Parts I and II. B.Sc. course unit, outside option.**Scope:** The course aims to give a general introduction to social policy.**Syllabus:** Ideas about social policy: the contribution of social and political theorists and economists: debates about the appropriate scale and nature of government interventions; the changing and conflicting definitions of citizenship, freedom and distributive justice; the social division of welfare.

The course examines how certain social and economic needs of individuals and groups are identified; how policies are formulated; and how government bodies sometimes change their structure in response to these perceived needs; how policies are administered, and revised in response to changing circumstances; the

impact of interest groups and changing technology; the debate about planning, resources and manpower. These topics will be illustrated by reference to selected pieces of social legislation in the fields of health, housing, social security, education, the personal social services and employment. The main focus will be on Great Britain, but comparative material from other societies will also be used.

**Pre-Requisites:** None required. Students with some knowledge of British History 1800 to the present day, economics, and sociology will be able to use this knowledge.

**Teaching Arrangements:** One lecture course accompanied by a class.

Lectures: SA100 25 Michaelmas and Lent Terms  
Classes: SA100(a) 10 Michaelmas, 10 Lent, 5 Summer Term

Michaelmas Term: work will cover a comparative social policy and social policy innovation in Britain 1800-1950.

Lent Term: work will cover the assessment of the impact of social policy.

Summer Term: the institutional framework within which social policy operates will be discussed.

**Written Work:** Students will be expected to write one essay per term for class teachers, and to read for and contribute to class discussion each week.

**Reading List:** No single book covers the entire syllabus. The following are useful introductory texts one or two of which students might wish to buy:

T. H. Marshall, *Social Policy*, Hutchinson, 1975; M. Brown, *Introduction to Social Administration* (Fifth edn.), Hutchinson, 1982; R. M. Titmuss, *Social Policy: An Introduction*, Allen and Unwin, 1975; D. V. Marsh, *The Welfare State* (Second edn.), Longmans, 1980; W. A. Robson, *Welfare State and Welfare Society*, Allen and Unwin, 1976; J. Le Grand & R. Robinson, *The Economics of Social Problems*, Macmillan, 1976; D. Fraser, *The Evolution of the British Welfare State*, Macmillan, 1973; M. Hill, *Understanding the Welfare State*, Basil Blackwell and Martin Robertson, 1982. Full bibliographies will be provided with the programme of class topics.

**Examination Arrangements:** There is a three-hour examination in the Summer Term. The paper contains 15 questions of which four are to be answered. Each question is allocated equal marks.

**SA5612****History of Social Policy in the 19th and 20th Centuries**

**Teacher Responsible:** Dr. J. Lewis Room A259 (Secretary, Doreen Young, A280)

**Course Intended Primarily for** B.Sc. Soc. Policy & Admin. first year students, for whom it is compulsory, and optional for Diploma Soc. Pol. and Admin. Option I.

**Scope:** Aims to give students a knowledge of the development of social policy in the 19th and 20th centuries and the context in which it emerged.

**Syllabus:** The relationship of government, politics, social structure and economic changes to social policy. The influence of social, political and economic thought;

The influence of war; the impact of industrial and demographic change; occupational stratification; the development of the social services. The role of pressure groups and voluntary organisations in policy formation. The development of public administration and the making of social policy.

**Teaching Arrangements:** Lectures (SA101) 20, Sessional, and (SA102), 20, Michaelmas and Lent Terms.

Classes (SA101a), one 1½ hour class each week.

**Written Work:** Students will be expected to hand in one essay per term to their class teacher. It is also expected that students will read for classes and contribute to class discussion.

**General Reading List:** Texts: The following are useful for reference purposes, especially if you have no prior knowledge of the period. R. K. Webb, *Modern England*; D. Read, *England, 1868-1914*; F. Betharida, *A Social History of England 1851-1975*; A. Marwick, *Britain in the Century of Total War*; Asa Briggs, *The Age of Improvement*; G. Best, *Mid-Victorian 1851-75*. On economic history the following texts are recommended:

P. Mathias, *The First Industrial Nation*; Phyllis Deans, *The First Industrial Revolution*; W. Ashworth, *Economic History of England 1870-1939*; R. Floud & D. McCloskey, *Economic History of Britain*, especially Vol. II; E. J. Hobsbawm, *Industry and Empire*.

On the development of social policy the following are useful for reference:

D. Fraser, *The Evolution of the Welfare State*; M. Bruce, *The Coming of the Welfare State*; D. Roberts, *Victorian Origins of the British Welfare State*; B. B. Gilbert, *The Evolution of National Insurance*; *British Social Policy 1914-39*; Pat Thane, *The Foundations of the Welfare State*; Paul Barker (Ed.), *Founders of the Welfare State*.

Your class reading lists which will be distributed by class teachers are very important and we have tried to star the particularly crucial material on these.

**Examination Arrangements:** Three-hour examination in Summer Term.

**SA5613****Sociology and Social Policy**

**Teacher Responsible:** Dr. D. M. Downes, Room A237 (Secretary, Elizabeth Plumb, A280)

**Course Intended Primarily for** B.Sc. Social Policy and Administration, first year students.

**Scope:** The aim of the course is to introduce students to major themes and perspectives in social theory, as a preparation for their more detailed examination in relation to social policy issues throughout the course.

**Syllabus:** The course will be in two parts:

1 An introduction to elements of social theory, and their implications for, and relationship to, political choice and social policy; comprising basic concepts in the analysis of social stratification, the distribution of power, modes of organisation, roles and social action in modern industrial societies.

2 Introduction to sociology and social policy in relation to a number of substantive fields in modern Britain such as demography, health, education; poverty and income distribution; housing and urban and regional planning;

deviance and control; the mass media; and race relations.

**Pre-Requisites:** None.

**Teaching Arrangements:** Lecture course and associated classes.

Lectures: SA109 **Sociology and Social Policy**, given by Dr. Downes and others. 25 weekly lectures, Sessional. Classes: SA109(a). Classes are weekly, 1 hour long. (1) Michaelmas Term: two groups of students, taken by Dr. Downes. (2) Lent Term: the same, taken by various lecturers.

**Written Work:** One essay per term is required.

**Reading List:** There is no set text for the course, and a full reading list is provided at the first class. Basic reading: D. Lee and H. Newby, *The Problem of Sociology*; T. Bilton, et al, *Introductory Sociology*; D. Thompson (Ed.), *Political Ideas*; W. G. Runciman, *Social Science and Political Theory*; R. A. Pinker, *Social Theory and Social Policy*; H. Stuart Hughes, *Consciousness and Society*; R. A. Nisbet, *The Sociological Tradition*; P. Berger, *Invitation to Sociology*; A. Giddens, *Capitalism and Modern Social Theory*; D. Silverman, *The Theory of Organisations*; L. Coser, *Masters of Sociological Theory*; C. Wright Mills, *The Sociological Imagination*; J. Westergaard & H. Resler, *Class in a Capitalist Society*; I. Reid, *Social Class Differences in Britain* (2nd edn.); A. H. Halsey, *Change in British Society*; M. Bulmer (Ed.), *Social Policy Research*.

**Examination Arrangements:** Three-hour paper in the Summer Term; four questions to be answered.

**SA5614****Social Economics**

**Teachers Responsible:** David Piachaud, Room A284 (Secretary, Mrs. Doreen Young, A280) and Dr. J. Roberts

**Course Intended Primarily for** B.Sc. Social Policy and Administration, 1st year.

**Scope:** Introduction to economics and its application to social policy.

**Syllabus:** The nature of the economic problem. The price mechanism and economic problem. The price mechanism and economic efficiency. Allocation problems in capitalist and centrally planned economies. The role of the state in economic activity. The demand for and supply of social services. The incidence of taxes and benefits. The determination of wages; the role of trade unions; minimum wage legislation. The distribution of incomes; policies of income redistribution. The application of economic analysis to the allocation of resources in the public sector.

**Pre-Requisites:** None.

**Teaching Arrangements:** Lectures: **Social Economics** (SA130), 20 lectures, Michaelmas and Lent Terms, given by David Piachaud. Classes: 25 classes.

**Written Work:** Essays and class presentations will be required for classes.

**Reading List:** J. Le Grand & R. Robinson, *The Economics of Social Problems*; A. B. Atkinson, *The Economics of Inequality*; A. Williams & R. Anderson, *Efficiency in the Social Services*; R. Layard, M. Stewart & D. Piachaud, *The Causes of Poverty*.

**Examination Arrangements:** Three-hour paper in the Summer Term; four questions to be answered.

**SA5620****Social Administration**

**Teacher Responsible:** Dr. Peter Levin, Room A251 (Secretary, Doreen Young, A280)

**Course Intended Primarily for** B.Sc. Social Policy and Administration, 2nd year; B.Sc. (Econ.) XXIII Social Policy, 2nd year; other B.Sc. (Econ.) students who may take the subject in Part II as a 'paper taught outside the Department'.

**Scope:** The aim of the course is to introduce students to the study of the processes of making and administering social policy in Britain, and to equip them with a basic methodology for exploring and analysing these processes and explaining the "policy manifestations" that emerge from them.

**Syllabus:** The course deals with processes of several different kinds: (1) Processes leading up to the enactment of social policy legislation; (2) The making of decisions on public expenditure at central level; (3) The interaction between central government and local authorities over policies which are adopted by the former but administered or implemented by the latter; (4) The process of innovation, resolving issues, and meeting needs from day to day to go on within social services organisations such as the National Health Service and local government; (5) Processes that involve encounters between the citizen and state agencies – the obtaining of welfare benefits, whether as a matter of statutory right or officials' discretion, and the redress of grievances through tribunals or ombudsmen. We seek to explain the forms that these processes take and the outcomes that they have by examining (a) the motivations, interests and powers of the various 'actors' and the parts that these actors play; (b) the input of facts and ideological values and their influence on perceptions and decisions; (c) the effects of the structure of the policy-making and administrative 'system' as manifested in – for example – the departmental structure of British central government, the relationships between government ministers and civil servants, and the division of power and responsibility between central government and local authorities; (d) the social, economic and political context.

The course makes considerable use of published case-study material.

**Pre-Requisites:** The course requires some familiarity with the government and politics of Britain. B.Sc. (Econ.) will find it advantageous to have taken in Part I either **Modern Politics and Government**, with special reference to Britain, or **English Legal Institutions**, but this is not essential. A sufficient background can be obtained by reading during the summer vacation (see reading list below).

**Teaching Arrangements:** There is a course of 10 lectures, **Explaining Social Policy** (SA104), given by Dr. Levin in the Michaelmas Term; he also holds weekly one-hour classes (SA104a) throughout the session.

**Written Work:** Students are strongly recommended to submit a minimum of two essays during the course, not least as a means of finding out what the examiners will be looking for at the end of the year. Students are not expected to give oral presentations at classes, but they are required to have prepared for the class by reading beforehand. A class may be terminated as it transpires that insufficient preparation has been done to sustain an informed discussion.

**Reading List:** Some at least of the following texts, which give a background in British government and politics, must be read before the beginning of the course: J. P. Mackintosh, *The Government and Politics of Britain* (5th edn.); R. Rose, *Politics in England Today*; A. H. Hanson & M. Walles, *Governing Britain* (2nd edn.); B. Headey, *British Cabinet Ministers*; R. M. Punnett, *British Government and Politics*; S. A. Walkland & M. Ryle, *The Commons Today*; P. G. Richards, *The Backbenchers*; R. G. S. Brown & D. R. Steel, *The Administrative Process in Britain*; P. Kellner & Lord Crowther-Hunt, *The Civil Servants*; A. Alexander, *Local Government in Britain since Reorganisation*; H. Elcock, *Local Government*; S. E. Finer, *Anonymous Empire*; R. Kimber & J. J. Richardson (Eds.), *Pressure Groups in Britain*.

The following texts are representative of the case-study material used: K. G. Banting, *Poverty, Politics and Policy*; M. J. Barnett, *The Politics of Legislation*; D. V. Donnison *et al.*, *Social Policy and Administration Revisited*; J. Edwards and R. Batley, *The Politics of Legislation*; D. V. Donnison *et al.*, *Social Policy and Administration Revisited*; J. Edwards & *Positive Discrimination*; P. Hall *et al.*, *Change, Choice and Conflict in Social Policy*; P. Hall, *Reforming the Welfare*; H. Helco & A. Wildavsky, *The Private Government of Public Money*; A. J. Willcocks, *The Creation of the National Health Service*.

A specialised reading list will be given out for each class.

**Examination Arrangements:** Students take a three-hour formal examination in the Summer Term. The paper usually contains twelve or so questions, out of which four must be answered. The content of the paper reflects the topics covered in the classes and lectures.

## SA5622

**Methods of Social Investigation**

**Teacher Responsible:** Dr. Bulmer, Room A224 (Secretary, Caroline Raffan, A244), and Mrs. D. Irving, Room A257 (Secretary, Elizabeth Plumb, A280)

**Course Intended Primarily for** B.Sc. Social Policy and Administration, Second year students, Paper 7; B.Sc. (Econ.) XXIII Social Policy Paper 7 (g)

**Scope:** The paper aims to give students a comprehensive introduction to methods of social research with a statistical emphasis.

**Syllabus:** The design and analysis of social investigations, particularly those which incorporate the statistical approach. The nature of social measurement. Problems of collecting, ordering and assessing evidence in social enquiry. Elements of sampling theory and the concept of statistical inference. Data collection by

means of social survey, participant observation and documentary methods. The use of official data. Basic descriptive and inferential statistics. Analysis of data particularly from surveys and censuses. The use of computers in data analysis. The role of these statistical methods and multivariate techniques in the interpretation of social data and the formulation of social policy.

**Pre-Requisites:** The paper is part of a course taken by students who have "A" levels in one or more social science subjects, and usually an "O" level in mathematics. There are no formal pre-requisites, but the course assumes a basic numeracy.

**Teaching Arrangements:**

Lectures: SA115: **Methods of Social Investigation**, one hour per week in Michaelmas and Lent Terms.

SA114: **Statistics and Computing in Social Investigation**, one hour per week in the Michaelmas Term.

Classes: SA115(a) Classes one hour per week Michaelmas and Lent Terms, beginning sixth week of Michaelmas Term.

SA114(a) one hour per week Michaelmas and Lent Terms. Students will use a computer to analyse data from various sources.

**Written Work:** For Dr. Bulmer's **Methods of Social Investigation** class students are required (a) to make one or two verbal presentations of about 20 minutes at a class during the two terms, (b) to write two essays, one in each term, of about 1,500-2,000 words on a topic prescribed at the beginning of the term. In these classes active verbal participation by students is expected throughout.

For Mrs. Irving's **Statistics and Computing** class, students will be required to write summaries and interpretations of the results of their analyses of data. A project report will be required each term.

**Reading List:****A. Social Investigation**

The recommended texts for the lecture course are M. Bulmer (Ed.), *Sociological Research Methods* and G. Rose, *Deciphering Sociological Research*.

The following will also be frequently consulted:

H. M. Blalock, *An Introduction to Social Research*; C. Seltiz *et al.*, *Research Methods in Social Relations*; H. W. Smith, *Strategies of Social Research*; M. Stacey, *Methods of Social Research*; C. Marsh, *The Survey Method*; S. Stouffer, "Some Observations on Study Design" (*American Journal of Sociology*, 60, 1950); M. Rosenberg, *The Logic of Survey Analysis*; H. Zeisel, *Say it with Figures*; E. J. Webb *et al.*, *Unobtrusive Measures*; HMSO, *Social Trends* (annually); B. Edwards, *Sources of Social Statistics*; A. Shonfield & S. Shaw, *Social Indicators and Social Policy*; M. Carley, *Social Measurement and Social Indicators*; D. T. Campbell & J. C. Stanley, *Experimental and Quasi-Experimental Designs for Research*; G. J. McCall & J. L. Simmons (Eds.), *Issues in Participant Observation*; I. Deutscher, *What we Say/What we Do*; E. H. Carr, *What is History?*; L. Gottschalk, *Understanding History*; K. Popper, *The Poverty of Historicism*; E. Nagel, *The Structure of Science*; M. Weber, *The Methodology of the Social Sciences*; G. Myrdal, *Value in Social Theory*; G.

Sjoberg (Ed.), *Politics, Ethics and Social Research*; L. Rainwater & W. L. Yancey (Eds.), *The Moynihan Report and the Politics of Controversy*; W. G. Runciman, *Social Science and Political Theory*; M. D. Shipman, *The Limitations of Social Research*; M. Bulmer (Ed.), *Social Policy Research*.

The lecture reading list and the reading list for Dr. Bulmer's classes provide basic guidance on reading for this part of the course.

**B. Statistics and Computing**

B. H. Erikson & T. A. Nosanchuk, *Understanding Data*; D. Rowntree, *Statistics Without Tears*; Hunt & Shelley, *Computers and Common Sense*; P. Bishop, *Computing Science*; D. C. Pitt & B. C. Smith, *The Computer Revolution in Public Administration*.

**Examination Arrangements:** The subject is assessed in the Summer Term by one three-hour written paper (75%) and a project report (25%). The written paper is in two parts. Students are required to answer one question in the first part, involving statistical interpretation, and three questions in the second part from a choice of about 10 questions. The project report should be handed in by 16 May 1986.

## SA5720

**Social Policy**

**Teacher Responsible:** Mike Reddin, Room A281 (Secretary, Elizabeth Plumb, A280)

**Course Intended Primarily for** B.Sc. Soc. Sci. and Admin., 3rd year (paper 5); B.Sc. Econ. XXIII Social Policy (paper 2); B.Sc. Soc. Policy and Admin. 3rd year (paper 9).

**Scope:** The range of theoretical approaches to social policy, and the economic and social impact of such policies.

**Syllabus:** Social policy is concerned with the attempts of government and other collective agencies to affect the welfare of individuals and groups. This course centres on social policy in Britain and other industrialised countries analysed conceptually, historically and comparatively from the perspectives of the different social science disciplines. It looks at the application of models to the British welfare system and deals with political ideologies and philosophical ideas underlying choices in social policy; freedom and authority; rights and duties; law and discretion; justice and punishment. It considers the concepts of need, rationing and resource allocation particularly in the field of public expenditure. It looks at the distributive and redistributive impact of policies and at the varied forms of State intervention in the mixed economy of welfare.

**Pre-Requisites:** Students who are taking no other social policy paper will be helped if they attend course SA102 **The Foundations of Post-War Social Policy**. Students will gain most if they have some general understanding of UK social, economic and political institutions.

**Teaching Arrangements:** The weekly lectures (SA103) **Social Policy** are followed by 1½ hour classes. The lectures are shared between John Carrier, Howard Glennerster and Mike Reddin. Each of these teachers is responsible for all the classes on a termly basis.

Classes: SA103(a) B.Sc. S.S. & A. and B.Sc. (Econ.) Part II: Michaelmas (Mike Reddin, Room A281), Lent

(John Carrier, A238) and Summer (Howard Glennerster, Room A279).

**Written Work:** One or more students will normally be required to make a brief introduction to the class: each student is likely to have to prepare one such introduction per term. It is expected that students will actively participate in discussion in all classes. Each student will be required to submit a piece of written work to the class teacher at the end of the Michaelmas and Lent Terms.

**Reading List:** R. M. Titmuss, *Social Policy: An Introduction*; R. A. Pinker, *Social Theory and Social Policy: The Idea of Welfare*; P. Hall *et al.*, *Change, Choice and Conflict in Social Policy*; H. Glennerster, *Social Service Budgets and Social Policy*; *Paying for Welfare*; J. Rawls, *A Theory of Justice*; W. G. Runciman, *Relative Deprivation and Social Justice*; D. Miller, *Social Justice*; R. Mishra, *Society and Social Policy: The Crisis in the Welfare State*; G. Room, *The Sociology of Welfare*; I. Gough, *The Political Economy of the Welfare State*; R. Plant *et al.*, *Political Philosophy and Social Welfare*; K. Banting, *Poverty, Politics and Policy*; M. Adler & Asquith, *Discretion and Welfare*; P. Taylor-Gooby & J. Dale, *Social Theory and Social Welfare*; J. Higgins, *States of Welfare*; M. Brown & N. Madge, *Despite the Welfare State*; A. Weale, *Social Theory and Social Policy*; J. Le Grand, *The Strategy of Equality*.

**Supplementary Reading List:** Full bibliographies will be given to students at the start of each term.

**Examination Arrangements:** Students sit one three-hour examination in the Summer Term. They are required to answer four questions.

## SA5725

**Social and Political Theory**

**Teacher Responsible:** Dr. D. M. Downes, Room A237 (Secretary, Elizabeth Plumb, A280)

**Course Intended Primarily for** B.Sc. Degree in Social Science and Administration, end of second and throughout third year. Also optional for third year B.Sc. (Econ.) Social Policy option.

**Scope:** The aim of the course is to enable students to examine major issues in social and political theory, and their relation to social policy.

**Syllabus:**

(a) Political theory; the role of the state and the nature of political authority, and problems of distributive justice, are examined in relation to major traditions of political thought, from Hobbes to the present, including Locke, Rousseau and the Enlightenment, Utilitarianism and developments in socialist theory, Burke and conservative philosophies.

(b) Social theory: major issues in theory and methodology concerning the bases of social order and social change; social meaning and values; and the grounds for conflict and differentiation. Approaches included are Marxism; the work of Durkheim, Weber and Spencer; functionalism and action theory; critical theory; symbolic interactionism, and phenomenological approaches. A concern throughout is to discern the implications of these approaches for social policy and political activity.

**Pre-Requisites:** Normally, students will have taken

**Sociology and Social Policy (SA109)**, but comparable introductory course material would suffice.

**Teaching Arrangements:** Lecture course and classes. Lectures: So106: **Sociological Theory**, given by **Dr. Mann** (S778; Secretary: Ms. Y. Brown, S656) 20 lectures, weekly, Michaelmas and Lent Terms. And **Political Theory and Social Policy**, given by **Miss C. Farsides**, fortnightly.

**Classes:** SA120(a) and (b). 6 weekly classes in weeks 5-10 of the Summer Term are given and cover political theory from Hobbes to Marx. These precede 20 weekly classes (SA120b) for students in their 3rd Year by **Dr. Downes**, which cover the sociological and selected political aspects of the course, and 10 fortnightly classes by **Miss Farsides** on **Political Theory**. Classes are one-and-a-half hours.

**Written Work:** One essay per term is strongly recommended. One introductory paper per term is expected in class.

**Reading List:** There is no set text for the course, and a full reading list is provided at the first class. Basic reading:

J. Plamenatz, *Men and Society* (2 Vols.); G. Duncan, *Marx and Mill*; G. Sabine, *A History of Political Thought* (3rd edn.); C. B. Macpherson, *The Political Theory of Possessive Individualism*; R. Aron, *Main Currents in Sociological Thought* (2 Vols.); G. Hawthorne, *Enlightenment and Despair*; A. Giddens, *Capitalism and Modern Social Theory*; A. Giddens, *New Rules of Sociological Method*; E. Gellner, *Legitimation of Belief*; T. Bottomore & R. Nisbet (Eds.), *A History of Sociological Thought*.

**Examination Arrangements:** Students sit one three-hour, four question, paper in the Summer Term of their third year.

### SA5730

#### Educational Policy and Administration

**Teacher Responsible:** **Dr. Marjorie Ferguson**, Room A274 (Secretary, Caroline Raffan, A244)

**Course Intended Primarily for** B.Sc. Social Science and Administration 3rd year students; B.Sc. (Econ.) Part II; B.Sc. course unit.

**Scope:** The course deals mainly with educational policy making in Britain – its decision-making processes, institutional power structure and forms of provision at all levels from pre-school to higher education.

**Syllabus:** The formation of educational policy in Britain, the role of central and local government, school governing bodies, professional organisations and pressure groups. The provision of education – costs, methods of finance, distribution of resources, educational planning. Issues, research and policies concerning sex, race and class differences in educational performance, pre-school provision and post-school training.

**Pre-Requisites:** None.

**Teaching Arrangements:** Ten lectures in the Michaelmas Term (SA121) and weekly classes (SA121a) throughout the session.

**Written Work:** Students are expected to prepare one or more class papers each term, and write one class essay per term.

**Reading List:** The following are some key texts. Detailed bibliographies will be given out with the class programme.

E. G. West, *Education and the State*; E. E. Rich, *The Education Act 1870*; P. H. J. H. Gosden, *Education in the Second World War*; A. H. Halsey et al., *Origins and Destinations*; A. Corbett, *Much to do about Education*; W. Richmond, *Education in Britain since 1944*; M. Rutter et al., *Fifteen Thousand Hours*; D. Lawton, *The Politics of the School Curriculum*; M. Kogan, *The Politics of Educational Change; Educational Policy Making*; P. Lodge & T. Blackstone, *Educational Policy and Educational Inequality*; D. Regan, *Local Government and Education*; C. Baxter et al., *Economics and Educational Policy*.

**Examination Arrangements:** The examination consists of a three-hour, unseen written paper with four questions to be answered. The examination paper is based on the topics covered in the classes.

### SA5731

#### Personal Social Services

**Teacher Responsible:** **Sally Sainsbury**, Room A250 (Secretary, Doreen Young, A280)

**Course Intended Primarily for** B.Sc. (Econ.) Part II; B.Sc. Social Science and Administration; B.Sc. course unit.

**Scope:** The development and operation of the personal social services in Britain.

**Syllabus:** The personal social services, with special reference to Britain: an examination of their goals and functions, the ethical and political issues they raise and the underlying concepts, values and assumptions. An examination of policies and legislation. Different concepts and measures of need; policy choices and their consequences. Patterns and problems of social intervention. The role of social work; professionalisation, domiciliary, day and residential care, community work and development. Inter-organisational and management issues: performance indices and evaluation; the interaction of central and local government; the voluntary sector; pressure groups; the clientele; private and community patterns of service.

**Pre-Requisites:** None.

**Teaching Arrangements:** One lecture course accompanied by classes.

Lectures: SA123, 10 Michaelmas Term.

Classes: SA123(a), 10 Michaelmas, 10 Lent, 5 Summer Terms.

**Written Work:** Students are expected to write one essay per term for the class teacher, and to read for and contribute to class discussion each week.

**Reading List:** No single book covers the entire syllabus; the following are useful introductory texts. P. Townsend, *The Last Refuge*; RKP, 1962; K. Jones, *Opening the Door*; RKP, 1975, B. M. Rodgers & J. Stevenson, *New Portrait of Social Work*, OUP, 1973; *Report of the Committee on Local Authority and Allied Personal Social Services*, (Seebohm), Cmmd. 3703, 1968; P. Hall, *Reforming the Welfare*, Heinemann, 1976; B. Davies, *Social Needs and Resources in Local*

*Service*, Michael Joseph, 1968; E. Sainsbury, *Personal Social Services*, Pitman, 1977.

A full bibliography will be provided with the programme of class topics.

**Examination Arrangements:** There is a three-hour formal examination in the Summer Term. The paper contains 12 questions, of which four are to be answered. Each question is allocated equal marks.

### SA5732

#### Housing and Urban Structure

**Teacher Responsible:** **Dr. Peter Levin**, Room A251 (Secretary, Doreen Young, A280)

**Course Intended Primarily for** B.Sc. Social Science and Administration, 3rd year; B.Sc. (Econ.) XXIII, Social Policy, 3rd year; other B.Sc. (Econ.) students who may take the subject in Part II as a 'paper taught outside the Department'; B.Sc. course unit.

**Scope:** The aim of the course is to introduce students to the study of housing and urban structure and to equip them with basic questions and techniques for exploring and analysing the processes at work in cities and housing markets. It does this by adopting an issue-oriented approach, i.e. by taking certain issues and exploring what lies behind them. The course deals mainly with England and Wales, although there is a comparative component.

**Syllabus:** This course can be divided into five parts:

1. *The Housing System in Britain:* This part of the course looks at housing on a national scale, and provides a background to the following parts. It covers the pattern of tenures and major changes, such as the decline in private renting and the growth of 'alternative' forms of tenure; it also tackles the question of whether there is a national housing problem, and the need and scope for action by central government.

2. *How Cities Work:* Here we put housing in the context of other elements of urban structure – social, physical, economic – and ask, among other questions, what determines where people of different social class live. We look at the changes currently taking place in population, housing and employment, and ask how these changes are related. There is some emphasis on the problems of inner urban areas, and we ask what lessons have been learned from the Community Development Projects and the Inner Area Studies. We also look at the way the town planning system has operated, and put the classic questions: who gains? who loses? who decides?

3. *Housing at Local Level:* Here we are concerned with questions of who gets what in housing, and why, paying particular attention to the role of local authorities and other 'urban managers' or gatekeepers. So we ask, for example, who becomes homeless, and why, and how do local authorities respond to it. Are ethnic minorities relatively worse housed than other people? Has the 1974 Rent Act, which gave security of tenure to many 'furnished' tenants, made it more difficult for newcomers to the housing market to find somewhere to live? Why do some local authorities have hard-to-let accommodation at the same time as long waiting lists? Are tenant co-ops the solution to the problem of how to manage local authority estates?

4. *Problems of Run-down Housing:* This part of the course looks at 'gentrification' and other processes that are going on in some inner areas, and at the way in which local authorities have been facing the issue of whether to improve run-down housing or to pull it down and build anew. We ask what the social costs of rehabilitation and redevelopment are, and whether the people on the receiving end might with advantage be enabled to participate in the decisions that will affect them.

5. *New Towns and 'Overspill':* We look at new towns and 'town development' schemes with two questions in mind. To what extent have the planners and development corporations been successful in creating balanced and self-contained communities? And what contribution – if any – have these developments made to solving the problems of inner London and other cities?

**Pre-Requisites:** Students who have taken introductory courses in one or more of social policy and administration, public administration, sociology, economics or geography will have a useful foundation. More important are curiosity about the subject matter and the desire to relate one's personal experience of living in a town or city to a wider context.

**Teaching Arrangements:** There is a course of ten lectures (**Urban Planning and Housing Policies**, SA125) given by **Dr. Levin** in the Michaelmas Term; he also holds weekly classes (SA125a) of 1½ hours duration during the session. The range of possible class topics is very wide: the actual programme will be decided in consultation with the members of the class and will take their particular interests into account wherever possible.

**Written Work:** Each student will be expected to prepare and give a 20-minute oral presentation at two or three classes during the year. It is strongly recommended that students should in addition submit a minimum of two essays during a year, not least as a means of finding out what the examiners will be looking for at the end of the year.

**Reading List:** The following introductory texts are recommended: K. Bassett & J. Short, *Housing and Residential Structure*; J. B. Cullingworth, *Essays on Housing Policy*; D. V. Donnison & C. Ungerson, *Housing Policy*; P. Hall (Ed.), *The Inner City in Context*; G. Kirk, *Urban Planning in a Capitalist Society*; S. Lansley, *Housing and Public Policy*; P. Lawless, *Britain's Inner Cities*; A. Murie et al., *Housing Policy and the Housing System*.

More specialised lists will be given out for particular classes and lectures.

**Examination Arrangements:** Students take a three-hour formal examination in the Summer Term. The paper usually contains twelve or so questions, out of which four must be answered. The content of the paper reflects the topics covered in classes and lectures.









active participation in discussion and preparatory reading will be expected for all classes.

**Written Work:** One piece of written work will be required at the end of the Michaelmas Term, and contribution to a joint project at the end of the Lent Term.

**Reading List:** A. Forder, *Concepts in Social Administration*; H. Glennerster, *Social Service Budgets and Social Policy*; J. Parker, *Social Policy and Citizenship*; M. Rein, *Social Policy*; R. M. Titmuss, *Social Policy: an Introduction*; D. Wedderburn, *Poverty, Inequality and Class Structure*; A. Walker, *Public Expenditure and Social Policy*; Hall, Land, Parker & Webb, *Change, Choice and Conflict in Social Policy*; G. Room, *The Sociology of Welfare*; I. Gough, *The Political Economy of the Welfare State*; A. Weale, *Social Theory and Social Policy*; R. Mishra, *Society and Social Policy*.

**Supplementary Reading List:** Bibliographies for SA103 and SA102 will be given to students at the start of the year. A full list of classes and associated reading will be given out at the first class meeting of the year.

**Examination Arrangements:** An advance notice examination, involving selection of an essay topic from a list of six titles distributed to students early in the Summer Term. Students then have two weeks in which to present a 5,000 word essay.

### SA6615

#### The Development of British Social Policy

(Not available 1985-86)

**Teacher Responsible:** Professor H. Glennerster, Room A279 (Secretary, Rachel Mawhood, A255)

**Course Intended Primarily for** Diploma in Social Policy and Administration, Option II.

**Scope:** Developments in social policy since 1939 in Britain, set against the economic, political and social changes of the period.

**Syllabus:** An examination of developments in the evolution of social policy since 1939. A survey of the main fields of social policy, income redistribution and social security, education, housing, medical care and the personal social services.

**Pre-Requisites:** None.

**Teaching Arrangements:** Lectures (SA102) are followed by 1½ hour classes (SA102b). There will be six lectures, each covering a separate field of social policy, after an introduction to the political and economic background to the period.

**Written Work:** One or more students will normally be required to make a brief introduction to the class; thus, each student is likely to have to prepare one such introduction per term. It is expected that students will be required to submit a piece of written work to the class teacher at the end of the Michaelmas and Lent Terms.

**Reading List:** M. Brown, *Introduction to Social Administration in Britain* (Hutchinson); T. H. Marshall, *Social Policy*; W. D. Birrell *et al.* (Eds.), *Social Administration* (Penguin); P. Hall, H. Land, R. Parker & A. Webb, *Change, Choice and Conflict in Social Policy* (Heinemann); J. Parker, *Social Policy*

*and Citizenship*; D. V. Donnison *et al.*, *Social Policy and Administration Revisited* (Allen & Unwin); R. M. Titmuss, *Essays on the Welfare State* (Allen & Unwin); *Commitment to Welfare*; P. Thane, *The Foundations of the Welfare State*; H. Glennerster (Ed.), *The Future of the Welfare State*.

**Supplementary Reading List:** A full reading list and a course synopsis is given out at the first lecture.

**Examination Arrangements:** Students sit one three-hour examination in the Summer Term. They are required to answer four questions.

### SA6630

#### Social Policy and Administration

**Teacher Responsible:** (for day seminar) Professor B. Abel-Smith, Room A243 (Secretary, Caroline Raffan, A244)

(for evening seminar) Professor H. Glennerster, A279 (Secretary, Rachel Mawhood, A255)

**Course Intended Primarily for** M.Sc. in Social Administration and Social Work Studies, Option I (Social Policy and Planning). Students on this degree must take either this paper or the **Social Planning** (SA152) paper. Both can be taken.

**Scope:** Broad themes affecting social policy in Britain and other advanced industrial societies; administrative issues largely focussing on Britain as an example. (For a distinction between the content of this paper and that of **Social Planning**, see the study guide for **Social Planning**).

**Syllabus:** The formation and development of social policy. The evolution of aims and principles in relation to the growth of social welfare, fiscal welfare and occupational welfare. The problems of redistributive justice and ethical issues in social policy. The assessment of the effects of the social services and social policies. Concepts of need and social welfare. The contributions made by political, professional and charitable bodies to the development of collective action to promote social welfare. The structure, functions and forms of administration of social services provided by the state, charitable institutions and employers. This course will be concerned with general terms with special branches of social services covered by other papers, eg social security, medical care and the welfare services. It will take account of historical developments and include, where appropriate, comparative developments in other countries, and focus on current policy questions.

**Pre-Requisites:** None.

**Teaching Arrangements:** 25 weekly seminars (SA151) throughout the session. Students prepare papers for discussion. Lecture course SA103 is particularly relevant for students who have no background in British Social Policy and is designed to complement the subjects treated in the seminars. Lecture course SA102, on **The Foundation of Post-War Social Policy**, provides a basic introduction to the institutions of the British welfare state. Seminars in **Social Policy Research** (SA153) are also necessary for the course.

**Reading List:** Some introductory texts are: T. H. Marshall, *The Right to Welfare*; Social Policy; J. Harris, *Sir William Beveridge: a Biography*; D. V. Donnison, *Social Policy and Administration Revisited*;

P. Townsend, *Sociology and Social Policy*; R. M. Titmuss, *Essays on the Welfare State*; J. Higgins, *State of Welfare*; T. Wilson & D. Wilson, *The Political Economy of the Welfare State*; I. Gough, *Political Economy of the Welfare State*; M. Brown & N. Madge, *Despite the Welfare State*.

A full bibliography will be handed out with the programme of seminar topics.

**Examination Arrangements:** There is a written formal three-hour examination in June. Three questions must be answered.

### SA6631

#### Social Planning

**Teacher Responsible:** Professor Howard Glennerster, Room A279 (Secretary, Rachel Mawhood, A255)

**Course Intended Primarily for** M.Sc. in Social Administration and Social Work Studies, Option I (Social Policy and Planning). Students must take either this paper or the paper, **Social Policy and Administration** (SA6630). They can take both, see below.

**Scope:** The **Social Planning** course is complementary to and quite distinct from **Social Policy and Administration**. It does not deal with the broader philosophical issues of social policy's place in society or with policy issues as such. Instead, it is concerned with methodologies that are relevant to the analysis of policy issues, and in determining priorities in resource allocation. It will consider theories of administrative decision-making and their relevance to social planning, look at the application of quantitative techniques to measuring demands and needs, at the use of cost-benefit analysis and programme evaluation. Students will gain most from the course if they have a sound background in economics and statistics. It is particularly relevant to those working in research and development sections of local authority departments or in administrative posts in the public sector. For overseas students, who do not want to specialise too deeply in British institutional issues the course can be productively combined with that in **Social Policy and Administration**.

It begins by discussing theories and methodologies in the first term, and then goes on in the second and third terms to work through a series of case studies drawn from actual examples of social planning at national and local levels.

**Pre-Requisites:** None.

**Teaching Arrangements:** Weekly two-hour seminars for 25 weeks throughout the session (SA152). During the Michaelmas Term the seminars will be introduced by one of the teachers. During the rest of the session students will present papers. The seminars and lectures in **Social Policy Research** (SA153) are also necessary to the course, and will cover methodological aspects of topics raised in the social planning seminars.

**Reading List:** The following are some key texts but a comprehensive reading list will be handed out with the programme of seminar topics. These books should be bought if possible.

J. K. Friend & N. Jessup, *Local Government and Strategic Choice*; J. Midgley & D. Piachaud (Eds.), *The Fields and Methods of Social Planning*; H.

Glennerster, *Planning for Priority Groups*; T. Booth, *Planning for Welfare*; M. Carley, *Rational Techniques in Policy Analysis*.

**Examination Arrangements:** There is a three-hour formal written examination in June. Three questions must be answered.

### SA6640

#### Planning of Health Services (Seminar)

**Teacher Responsible:** Professor Brian Abel-Smith, Room A243 (Secretary, Caroline Raffan, A244)

**Course Intended Primarily for** M.Sc. Social Policy and Planning; M.Sc. Sociology (Medical Sociology). This course will be offered only if there is a sufficient number of students.

**Scope:** The aim of the course is to enable students studying for the M.Sc. in Social Policy and Planning to apply social planning theories and methods to the provision of health services. To this end, a wide variety of social science disciplines are drawn upon, and a comparative approach is emphasised. The main examples used in the course are health service arrangements in the USA and Western Europe, and the NHS in England and Wales. Students reading for the M.Sc. in Sociology also join the seminar.

**Syllabus:** The development and structure of health services; the social demographic and economic factors relevant to planning health services; models of funding medical care; the evaluation of medical care services; cross cultural comparisons of medical care systems. Conceptions of health and disease; the sick role; doctor/patient relationship and communication; patient utilisation of services; the health professions; their education and inter-relationship; the sociology of hospitals and other medical organisations.

**Pre-Requisites:** Graduates with a first or good second honours degree in one of the social sciences who are interested in applying social science theory and method to the analysis of health service planning. Some experience working and/or carrying out research in a public agency would be an appropriate but not necessary background.

**Teaching Arrangements:** Attendance at the course of 20 lectures in **Health Policy and Administration** (SA126) is essential. There are also 24 seminars which support the above course (SA154). Each seminar is of two hours duration. They begin in the Michaelmas Term and continue into the Summer Term. Seminars are organised by teachers, on the topics in which they have a specialised interest. For each seminar, one student or a group of students prepares a written paper on the subject for discussion and all others prepare themselves by consulting the relevant literature. Students will be expected to produce at least one seminar paper for the course (or more depending on the number who enrol). Several hours of private study are expected in the presentation for seminars each week, whether or not the student is presenting a paper.

**Written Work:** As well as seminar papers, students may be expected to produce essays of at least 1,500 to 2,000 words each for one of the seminar teachers during the course. Individual teachers will comment separately upon this work and also upon a finished seminar paper.

**Reading List:** The reading list below is the minimum necessary reading for this course. Specialised reading for seminar topics will be given out by lecturers responsible for particular aspects of the course.

Starred items\* should be bought if possible.

\*B. Abel-Smith, *Value for Money in Health Services* (Heinemann, 1976) £5.50; *The National Health Service: The First Thirty Years* (HMSO, 1978) (out of print; available in LSE Library); Douglas E. Ashford, *Comparing Public Policies: New Concepts and Methods* (Sage, 1980); G. Bevan et al., *Health Care: Priorities and Management* (Croom Helm, 1980); N. W. Chaplin, *Health Care in the United Kingdom* (Huer Medical, 1982); H. Fabrega, *Disease and Social Behaviour* (M.I.T., 1974); I. Illich, *Medical Nemesis* (Calder and Boyars, 1975); D. Mechanic, *The Growth of Bureaucratic Medicine* (J. Wiley, 1976); *Report on the Royal Commission in the National Health Service*, Cmnd. 7615, Chairman, Sir Alec Merrison (HMSO, July 1979); P. Townsend & N. Davidson, *Inequalities in Health (The Black Report)* (Penguin, 1982) £2.50; \*B. Watkins, *The National Health Service: The First Phase and After* (G. Allen & Unwin, 1980) £4.95; J. A. Muir Gray, *Man Against Disease. Preventive Medicine* (Oxford University Press); Christopher Ham, *Health Policy in Britain* (The Macmillan Press, 1982).

The above literature is available in the LSE Library, but students will be advised which specialised libraries near to the School can also be used.

**Supplementary Reading List:** This is given out at the beginning of the course and reflects the special interest of the subject lecturers.

**Examination Arrangements:** The examination is by way of sitting a formal three-hour, unseen paper, answering three questions from a choice of 12 to 15 questions. Each question carries equal marks.

#### SA6641

### Income Maintenance and Social Security Policies

**Teachers Responsible:** Mike Reddin, Room A281 (Secretary, Elizabeth Plumb, A280) and David Piachaud, Room A284 (Secretary, Doreen Young, A280)

Administration and Social Work Studies Option 1 (Social Policy and Planning). This course will be offered if there is a sufficient number of students.

**Syllabus:** The course analyses income maintenance and social security policies defined broadly to include not only national insurance and social assistance provisions but also fiscal, occupational and private provisions that maintain incomes. Definitions and measurements of need and poverty are reviewed. Economic and financial aspects of social security are considered as is the impact of social security on social and economic behaviour. A comparative approach is adopted where appropriate.

**Pre-Requisites:** There are no pre-requisites for the course.

**Teaching Arrangements:** Teaching comprises lectures and seminars.

Lectures: There are 15 lectures (SA129) in the Michaelmas and Lent Term that cover: approaches to

income maintenance; poverty; redistribution; provisions for the old, children and unemployed people; universal, selective, occupational and fiscal approaches to income support. (These lectures are open to all.) Seminar: The seminar (SA155) will hold 25 weekly meetings spread over three terms. It is the main arena for teaching for the M.Sc. In the first term the seminar will pursue the same topics as the lectures. In the second and third terms the seminar will cover (subject to meeting the interests of members as far as possible): political and economic dimensions of income maintenance; the inter-relationship of tax and benefit systems; the role of funded insurance systems; the administration of social security and problems of equity and discretion; work incentives; manpower policies; provisions for a wide range of contingencies; comparative income maintenance systems.

**Written Work:** Seminar members will be expected to make regular presentations to the seminar, usually two per term.

**Reading List:** Basic reading for the course comprises B. B. Gilbert, *The Evolution of National Insurance in Great Britain and British Social Policy 1914-1939*; B. Abel-Smith & P. Townsend, *The Poor and the Poorest*; J. F. Harris, *Beveridge: A Biography*; A. B. Atkinson, *Economics of Inequality*; V. George, *Social Security and Society and Social Security: Beveridge and After*; L. McClements, *The Economics of Social Security*; J. Schultz et al., *Providing Adequate Retirement Income*; A. Heidenheimer et al., *Comparative Public Policy*; P. Townsend, *Poverty in the United Kingdom*; Sir John Walley, *Social Security: Another British Failure?*

A wide range of additional reading for specific topics will be given at the start of the course.

**Examination Arrangements:** The examination in the Summer Term consists of a three-hour paper in which three questions have to be answered.

#### SA6642

### Planning of Personal Social Services

**Teacher Responsible:** Sally Sainsbury, Room A250 (Secretary, Doreen Young, A280)

**Course Intended Primarily for** M.Sc. in Social Administration and Social Work Studies, Option 1 (Social Policy and Planning). This course will be offered only if there is a sufficient number of students.

**Scope:** The course will focus primarily on personal social services in Britain, although there is a comparative component.

**Syllabus:** The evolution of the local authority social services departments. Problems of policy, organisation, staffing, and inter-agency coordination. Needs, demand and supply; theories about their determinants and inter-relationship. Social deviance and concepts of community welfare. Aims, objectives and evaluation in personal social services. The application of planning to personal social services provision.

**Pre-Requisites:** None.

**Teaching Arrangements:** Weekly seminars accompanied by an optional lecture course.

Seminars – SA156, 10 Michaelmas Term, 10 Lent Term, 5 Summer Term.

Option lectures – SA123, 10 Michaelmas Term.

**Written Work:** Students are expected to prepare papers for discussion in seminars.

**Reading List:** The following are useful introductory texts.

P. Townsend, *The Last Refuge*, RKP, 1962; K. Jones, *History of the Mental Health Service*, RKP, 1972; E. Sainsbury, *Personal Social Services*, Pitman, 1977; J. Heywood, *Children in Care*, RKP, 1959; *Report of the Committee on Local Authority and Allied Personal Social Services* (Seebohm), Cmnd. 3703, 1968; B. M. Rodgers & J. Stevenson, *New Portrait of Social Work*, OUP, 1973; B. Davies, *Social Needs and Resources in Local Services*, Michael Joseph, 1968.

Full bibliographies will be provided with the programme of seminar topics.

**Examination Arrangements:** There is a three-hour formal examination in June. Three questions must be answered.

#### SA6643

### Housing in Urban Planning

**Teacher Responsible:** Dr. Peter Levin, Room A251 (Secretary, Doreen Young, A280)

**Course Intended Primarily for** M.Sc. in Social Administration and Social Work Studies Option 1 (Social Policy and Planning). Also open to students taking the M.Sc. in Regional and Urban Planning Studies. This course will be offered only if there is a sufficient number of students.

**Scope:** The course deals mainly with housing and urban planning in England and Wales, though there is a comparative component. The subject is a very complex one: there have been frequent shifts of policy in recent years, there are numerous institutions in the field, and there are many and subtle inter-connections between different parts of "the system", eg between public and private sectors and between central government and local. The course aims to equip students to unravel these complexities, without getting bogged down in minutiae. It does this by adopting an issue-oriented approach, ie by taking certain issues and exploring what lies behind them. This approach allows for choice among a wide range of topics for seminars: the actual programme will be decided in consultation with the members of the seminar.

**Syllabus:** Analysis of housing and urban planning issues in Britain. The changing structure of the housing market, the roles of the local authority, private rented and owner-occupied sectors, and of alternative forms of tenure; the problem of access to housing. Housing finance issues: subsidies, rent control, income support. The problems of vulnerable groups and localities: slums, overcrowding, homelessness, the treatment of ethnic minorities. The problems posed by older housing: redevelopment and rehabilitation and their social and economic effects. Community development and other policies for inner urban areas. The distributional consequences of physical planning and urban management. New towns and town development schemes and their effect on "exploring" cities. Decision-making and public involvement in planning; tenant management: the roles of the professional and politician.

**Pre-Requisites:** None.

**Teaching Arrangements:** Weekly seminars (SA157) of 1½ hours duration. Students are expected to take it in turn to open the discussion with a prepared paper. A reading list is supplied for each topic.

Students may also attend the lecture course SA125 (10 lectures in the Michaelmas Term).

**Introductory Reading List:** K. Bassett & J. Short, *Housing and Residential Structure*; J. B. Cullingworth, *Essays on Housing Policy*; D. V. Donnison & C. Ungerson, *Housing Policy*; P. Hall (Ed.), *The Inner City in Context*; G. Kirk, *Urban Planning in a Capitalist Society*; S. Lansley, *Housing and Public Policy*; P. Lawless, *Britain's Inner Cities*; A. Murie, et al., *Housing Policy and the Housing System*.

**Examination Arrangements:** There is a three-hour formal written examination in June. Three questions must be answered.

#### SA6644

### Education Policies and Administration

**Teacher Responsible:** Dr. M. Ferguson, Room A274 (Secretary, Caroline Raffan, A244)

**Course Intended Primarily for** M.Sc. in Social Administration and Social Work Studies, Option 1 (Social Policy and Planning). This course will be offered only if there is a sufficient number of students.

**Scope:** The course covers the politics of education; education decision-making at central, local and institutional levels; the finance of education, current practice and alternatives. The course aims to deal with both the economic and sociological aspects of the subject. Part of the session is left open so that topics can be arranged to fit in with the particular interests of the group.

**Syllabus:** The development of education policy and administration since 1918. The structure and relationships of the administrative organisation responsible for maintained schools, the system of higher and further education and the independent schools. The recruitment, training and deployment of teachers. An introduction to the problems of educational planning and finance.

**Pre-Requisites:** None.

**Teaching Arrangements:** Weekly seminars through the session (SA158). Students will be expected to prepare papers for discussion.

**Reading List:** The following are some key texts. Detailed bibliographies will be given out with the seminar programme.

J. Karabel & A. H. Halsey (Eds.), *Power and Ideology in Education*; W. K. Richmond, *Education in Britain since 1944*; G. Baron & W. Taylor (Eds.), *Educational Administration and the Social Sciences*; R. Jennings, *Education and Politics*; P. W. Musgrave, *Society and Education in England since 1800*; T. Burgess, *A Guide to English Schools*; C. Baxter, P. J. O'Leary & A. Westoby (Eds.), *Economics and Education Policy*; A. H. Halsey, A. F. Heath & J. M. Ridge, *Origins and Destinations*; J. Egglestone (Ed.), *Contemporary Research in the Sociology of Education*; W. Taylor (Ed.), *Research Perspectives in Education*.

**Examination Arrangements:** There is a three-hour formal written examination in June. Three questions must be answered.

**Introduction to the Study Guides  
M.Sc. in  
Social Work Studies (Option 2)  
AND**

**M.Sc. in Social Policy and Social Work  
Studies (Option 3)**

The courses combine studies for a higher degree with those aimed at a professional qualification in social work. These two aspects of study are seen as interdependent and are therefore combined in lecture courses, seminars, classes and tutorials. Students are expected to spend approximately fifty per cent of their time in approved fieldwork placements under the supervision of designated practice teachers. These placements run concurrently with academic work, and students' performance in them is assessed as an essential part of the overall result. Great importance is attached to both the closeness of the links between learning in fieldwork and at the School, and also to individual tutorials. All these aspects of the course are reflected in the final examinations. In addition to three unseen papers students are required to submit a long essay of between 7,000 and 10,000 words, which must be on a subject related to current fieldwork experience. Students are expected to demonstrate an ability to relate the theoretical exploration of their chosen topic to its practical application to a particular area of social work practice.

**SA6680**

**Theories and Practice of Social Work**

**Teacher Responsible:** Rose Rachman, Room A271 (Secretary, Geraldine Shaw, A253)

**Course Intended Primarily for** M.Sc. in Social Policy and Social Work Studies (Option 3).

**Scope:** The Social Work Practice course extends throughout the two years, and includes both introductory and advanced level teaching. The course has a dual aim – to provide students with a sound theoretical knowledge underpinning social work and to equip them with basic social work practice. Knowledge and skills necessary for the beginning practitioner.

**Syllabus:** The course begins with a discussion of the role of social work in contemporary society, the impact of public attitudes on social control, social care and social change. Followed by value orientations underlying social work, and different ways of conceptualising it. The knowledge base, genericism and specialism. The nature and process of a professional relationship, communication, interviewing skills, assessment, goal setting, planned intervention, recording, termination and evaluation.

Social work is discussed in relation to agency function, different client groups and different settings. Includes direct and indirect work with clients, collaboration with other organisations, working within teams, knowledge of group process and skills in working with groups. Some attention is given to specific issues, e.g. ethnic minorities; gender awareness; multidisciplinary conflicts, skill development.

Theoretical frameworks discussed include: the impact of psychoanalytical theory, self theories, ego

psychology, learning theory; sociological perspectives, systems theory. Differential approaches include: crisis intervention, task-centred casework, behavioural therapy, family therapy.

Students will be expected to bring material from supervised practice experiences. In addition, use will be made of video, audio recordings, simulated cases, games exercises and role play.

**Pre-Requisites:** No previous knowledge of the subject is assumed.

**Reading List:** This will be given in class.

**Examination Arrangements:** There is a three-hour formal examination in the Summer Term, based on the full syllabus.

**SA6681**

**Psychology, Human Growth and  
Behaviour**

**Teacher Responsible:** Mr. D. B. Cornish, Room A262 (Secretary, Geraldine Shaw, A253)

**Examination and Component Courses Intended for** M.Sc. Social Policy and Social Work Studies.

**Scope:** The aim of this group of courses is to provide social work students with a basic grounding in theories and research relating to normal and abnormal human development and behaviour throughout the lifespan; and to examine the professional social work practice.

**Syllabus:** The core courses in this subject field are **Human Growth and Behaviour, Psychology, Theories in Clinical Psychiatry, Child Psychiatry and Mental Handicap.** The syllabus will include the following topics;

development before birth; early neonatal development; early social and emotional behaviour; attachment and bonding; cognitive development; moral development; language development; play; family structures and relationships; the child in the school; abnormalities in development; physical, psychiatric, emotional and behavioural disorders; adoption, fostering, children in care; the transition from adolescence to adult life; the physical, cognitive, emotional and social aspects of adulthood and the critical life stages and events; young adulthood; work; marriage; parenthood; middle age; old age; loss; bereavement; death; disability; basic principles of child psychiatry; the causes, nature and epidemiology of mental handicap; an introduction to personality theories and their relevance to social work practice; social skills training; person perception; environmental psychology.

**Pre-Requisites:** No previous knowledge of the subject field is required.

**Teaching Arrangements:** Lectures and Seminar courses for this paper are as follows:

**First Year:**

SA302 **Perspectives on Social Problems**, 15 lectures, Michaelmas and Lent Terms

SA316 **Social Work Practice**, seminars, Sessional

SA320 **Psychology and Social Work**, 20 lectures, Michaelmas and Lent Terms

SA321 **Psychology and Social Work**, seminars, 15 seminars, Sessional

SA303 **Human Growth and Behaviour**, 20 lectures, Michaelmas and Lent Terms

SA305 **Clinical Psychiatry**, 10 lectures, Michaelmas Term

SA306 **Child Psychiatry**, 10 lectures, Lent Term

SA307 **Mental Handicap**, 4 lectures, Summer Term

SA312 **The Social Work Electives**, 15 seminars, Michaelmas and Lent Terms

SA315 **Social Work Studies**, 27 seminars, Sessional  
Some of the above courses, or parts thereof, are provided by outside speakers with particular expertise in the field.

**Written Work:** See above (tutorials). In addition, students will be expected to prepare papers for seminar courses.

**Reading List:** No one book covers the entire syllabus. Students are advised to consult the reading list provided by those responsible for individual courses.

**Examination Arrangements:** One three-hour formal examination in the Summer Term of the second year of the M.Sc. course. Three questions are to be attempted – at least one from Part One (Psychology) and one from Part Two (Human Growth and Behaviour). The remaining question can be chosen from either Part.

**SA6700**

**Social Work Studies**

**Teacher Responsible:** Zofia Butrym, Room A253 (Secretary, Geraldine Shaw, A253)

**Course Intended Primarily for** M.Sc. in Social Work Studies, Option 2.

**Scope:** These courses have a dual aim. They seek to help students attain a sound grasp of the theoretical knowledge underpinning social work and at the same time to equip them with the basic social work practice knowledge and skills necessary for the beginning professional practitioner.

**Syllabus:** The role of social work in contemporary society. The impact of public attitudes, social policies and legislation. Value orientations underlying social work and their relationship to professional ethics. Social control, social caring and social change. The knowledge of social work. Genericism and specialism. The nature of the social work process of study, assessment and helping and the various ways of conceptualising it. The impact of psychoanalytical theory, self-theories, ego psychology, learning theory on models of practice. Differential approaches in relation to agency function and client groups, e.g. crisis intervention, task-centred and time-limited work, behavioural therapy, marital and family therapy. The nature of therapeutic relationships and the social context of interviews. Evaluation and research in social work practice. Students will be expected to bring illustrations from their practical supervised experience in the field, for analysis and discussion. Some case material will be supplied to illustrate work with children, adolescents, elderly persons, those who are depressed; instances of child abuse and of aggressive clients; particular attention will also be given to residential care; fostering, adoption and to direct work with children.

**Pre-Requisites:** A first degree in the social sciences and at least one year's employment in social work.

**Teaching Arrangements:**

SA315 **Social Work Studies**, 25 weekly seminars.

SA316 **Social Work Practice**, 25 weekly seminars.

Other courses of relevance include:

SA302 **Issues and Problems in Society**, 15 lectures, Michaelmas and Lent Terms.

SA303 **Human Growth and Behaviour**, 20 lectures, Michaelmas and Lent Terms.

SA305 **Themes in Clinical Psychiatry**, 10 lectures, Michaelmas Term.

SA306 **Child Psychiatry**, 10 lectures, Lent Term.

SA307 **Mental Handicap**, 4 lectures, Summer Term.

SA308 **Probation Practice and Policy**, 10 seminars, Michaelmas Term.

SA309 **Group Processes and Group Work**, 15 lectures, Michaelmas and Lent Terms.

SA311 **Social Policy and Administration**, 15 lectures, Michaelmas and Lent Terms.

SA312 **Social Work Electives**, 15 seminars, Michaelmas and Lent Terms.

SA313 **Law, Rights and Social Work**, 12 lectures, Lent Term.

SA314 **Social Work Legislation**, 6 lectures, Summer Term.

SA317 **Issues in Social Policy**, 15 seminars, Michaelmas and Lent Terms.

SA320 **Psychology and Social Work**, 10 lectures, Michaelmas Term.

SA326 **Innovation in Social Work**, 6 lectures, Summer Term.

**Reading List:** No single book covers the syllabus. Reading lists and guidance are provided at the start of the course.

**Examination Arrangements:** There is a three-hour formal examination in the Summer Term based on the full syllabus for the courses listed in teaching in both fieldwork and tutorials as described in the Introduction to the M.Sc. Study Guides. Candidates must attempt to answer three out of ten questions and one-third of the marks are awarded for each of the three answers.

**SA6701**

**Social Problems and Social Services**

**Teacher Responsible:** Dr. S. P. Mangen, Room A261 (Secretary, Rachel Mawhood, A255)

**Course Intended Primarily for** M.Sc. in Social Work Studies – Option 2 (one year).

**Scope:** The aim of the course is to bring students up to date on recent developments in social service provision and in the literature of social policy and administration.

**Syllabus:** The boundaries of social policy and administration as a field of study and its relevance to social work. A review of post war developments. Recent developments in relations between central and local government, the finance of the social services, social security and the social division of welfare, poverty and inequality, housing policy and urban deprivation, the National Health Service, the personal services and social work, educational policy, and Race relations. A review of recent theoretical and conceptual literature.

**Pre-Requisites:** A general knowledge of the subject field to first degree graduation level.

**Teaching Arrangements:**

- SA311 **Social Policy and Administration**, 15 lectures  
 SA317 **Issues in Social Policy**, 20 seminars.  
 Other courses of relevance include:  
 SA302 **Issues and Problems in Society**  
 SA313 **Law, Rights and Social Work**  
 SA308 **Probation Practice and Policy**  
 SA307 **Mental Handicap**  
 SA306 **Child Psychiatry**  
 SA303 **Human Growth and Behaviour**  
 SA305 **Themes in Clinical Psychiatry**  
 SA314 **Social Work Legislation**  
 SA315 **Social Work Studies**  
 SA316 **Social Work Practice**  
 SA320 **Psychology and Social Work**  
 SA312 **Social Work Electives**

**Reading List:** No one book covers the syllabus. Reading lists and guidance are provided at the start of the course.

**Examination Arrangements:** There is a three-hour formal examination in the Summer Term based on the full syllabus for main lecture and seminar courses. The examination paper has two titles: Social Problems and Social Services (Option 2), and Social Policy and Administration (Option 3), as it is taken by both one year and two year graduate social work students. It contains up to 14 questions and makes provision for the Option 3 students who follow a broader course of study. Candidates answer *three* questions and one-third of the marks are awarded for each of the three answers.

**SA6702****Human Growth and Behaviour**

**Teacher Responsible:** Dr. Shula Ramon, Room A273 (Secretary, Geraldine Shaw, A253)

**Examination and Component Courses Intended Primarily for** M.Sc. in Social Work Studies (Option 2 and 3).

**Scope:** The aim of this series of courses is to provide a basic grounding in normal and abnormal human development and behaviour throughout the life span, and to examine the application of this material to professional social work practice.

**Syllabus:** The core courses in this subject field are **Human Growth and Behaviour, Psychology, Theories in Clinical Psychiatry, Child Psychiatry and Mental Handicap**. The syllabus will include the following topics: Development before birth; early neonatal development. Early social and emotional behaviour. Attachment and bonding. Cognitive development. Moral development. Language development. Play. Family structures and relationships. The child in school. Abnormalities in development; physical, psychiatric, emotional and behavioural disorders. Adoption, fostering, children in care. The transition from adolescence to adult life. The physical, cognitive, emotional and social aspects of adulthood and the critical life stages and events; young adulthood; work; marriage; parenthood; middle age; old age; loss; bereavement; death; disability. Basic principles of child psychiatry. The causes, nature and epidemiology of mental handicap. An introduction to personality

theories and their relevance to social work practice; psychodynamic and behavioural approaches; social skills training; person perception; environmental psychology.

**Pre-Requisites:** A first degree in the social sciences and at least one year's employment in social work.

**Teaching Arrangements:**

- SA302 **Issues and Problems in Society**, 15 lectures, Michaelmas and Lent Terms.  
 SA303 **Human Growth and Behaviour**, 20 lectures, Michaelmas and Lent Terms.  
 SA305 **Themes in Clinical Psychiatry**, 10 lectures, Michaelmas Term.  
 SA306 **Child Psychiatry**, 10 lectures, Michaelmas Term.  
 SA307 **Mental Handicap**, 4 lectures, Lent Term.  
 SA312 **The Social Work Electives**, 15 seminars, Michaelmas and Lent Terms.  
 SA315 **Social Work Studies**, 27 seminars, Sessional.  
 SA316 **Social Work Practice**, 27 seminars, Sessional.  
 SA320 **Psychology and Social Work**, 20 lectures, Sessional.

Some of the above courses are taught by external lecturers with particular expertise in the field.

**Reading List:** No one book covers the entire syllabus. Reading lists will be provided by those responsible for individual courses and students should consult staff responsible for individual courses for particular guidance.

**Examination Arrangements:** One three-hour formal examination in the Summer Term. Ten questions are set of which three are to be attempted.

**SA6740****Social Policy and Planning in Developing Countries**

**Teacher Responsible:** Mrs. M. G. W. Hardiman, (Secretary, Caroline Raffan, A244)

**Course Intended Primarily for** Diploma in Social Planning in Developing Countries.

**Scope:** To provide students with a thorough grounding in social policy and planning in developing countries. The course focuses on the major issues of social policy formulation, methods and techniques appropriate to social planning and provides an introduction to the governmental and economic aspects of social planning in developing countries.

**Syllabus:** The course consists of four elements each of which is taught separately. Broadly, these cover **Planning Theory and the Context of Planning, Planning Methods, The Governmental Context of Development, and Economic Aspects of Planning in Developing Countries**. Further details are provided below under the heading Teaching Arrangements.

**Pre-Requisites:** Practical experience of working in government or other relevant organisations concerned with social policy and administration in developing countries.

**Teaching Arrangements:** Teaching for this paper is provided through lectures, a workshop and classes which are held weekly throughout the academic session. These are:

SA170: **Planning Theory and the Context of Planning.**

This series of lectures and class discussions, taught by Mrs. Hardiman, Dr. Hall, and Mr. Narine, deals with the nature of social planning, examines the social context of planning in developing countries and introduces the student to major policy issues in social planning. These include planning for increased levels of living, redistribution, population, urban development, rural development, education, health, housing, industrial development, national integration and employment.

are intended to acquaint the student with planning techniques appropriate to social planning in developing countries. They include surveys, censuses and indicators, budgeting, cost benefits analysis and simple operations procedures including simulation.

SA174: **The Governmental Context of Development** taught by Mr. Dawson, introduces students to political and governmental aspects of examining the concept of political development, public opinion and the role of interest groups, the nature of bureaucracy and political culture in developing countries.

SA175: **Economic Aspects of Social Planning in Developing Countries**. These classes, taught by Mr. Piachaud, are designed to provide an introduction to economic issues relevant to social planning in developing countries.

**Written Work:** Where relevant students will prepare brief papers for discussion in classes. Written work related to the teaching will be set by personal tutors throughout the session. Students will also be expected to undertake preparatory reading in order to participate in class discussions.

**Reading List:** A detailed reading list is provided for each of the teaching elements described previously. Although no single book covers the syllabus the set books for this course which students should purchase are M. Hardiman & J. Midgley, *The Social Dimensions of Development*; J. Midgley & D. Piachaud (Eds.), *The Field and Methods of Social Planning*.

Other essential reading includes:

S. MacPherson, *Social Policy in the Third World*; D. Conyers, *An Introduction to Social Planning in the Third World*; A. Livingstone, *Social Policy in Developing Countries*; H. Chenery et al., *Redistribution with Growth*; J. Goldthorpe, *The Sociology of the Third World*; I. Oxaal et al., *Beyond the Sociology of Development*; M. Todaro, *Economics for a Developing World*; O. Mehmet, *Economic Planning and Social Justice in Developing Countries*; G. S. Fields, *Poverty, Inequality and Development*; T. King et al., *Population Policies and Economic Development*; R. Repetto, *Economic Equality and Fertility in Developing Countries*; R. Jolly et al., *Third World Employment*; P. Bairoch, *Urban Unemployment in Developing Countries*; P. Van den Berghe, *Race and Racism*; L. Kuper, *Race, Class and Power*; W. Brandt et al., *North-South: A Programme for Survival*; P. T. Bauer, *Dissent on Development*; World Bank, *The Assault on World Poverty*; World Bank, *World Development Reports, 1978-1981*; United Nations, *1978 World Social Situation Report*; D. J. Casley & D. A. Lury, *Data Collection in Developing Countries*.  
**Examination Arrangements:** There will be a three-hour written examination based on the teaching described

previously. Three questions out of about 14 are to be answered. The examination is usually held in mid-June.

**SA6741****Problems of Health and Disease**

See **Planning Health Development SA6761**

**SA6742****Planning Welfare Services and Social Security**

**Teacher Responsible:** Mike Reddin, A281 (Secretary Elizabeth Plumb, A280) and Mrs. S. Crowe, c/o Room A244

**Course Intended Primarily for** Diploma in Social Planning in Developing Countries.

**Scope:** To acquaint students with the major issues in planning welfare services in developing countries.

**Syllabus:** The history of welfare services. Current features of welfare services in developing countries. Policy issues in welfare planning. Problems of planning services for the elderly, disabled, children, young offenders, and victims of disasters. Social security services in developing countries. Issues in social policy in the Third World.

**Pre-Requisites:** Preferably a qualification in social work or experience of welfare services and/or social security administration in developing countries.

**Teaching Arrangements:** Teaching is provided through a seminar (SA177: **The Planning of Family Welfare Services and Social Security**) which is held weekly throughout the academic session.

A handout listing the topics to be covered each week will be provided at the first meeting of the seminar.

**Written Work:** Members of the seminar will take turns to present a paper for discussion on the topics. All will be expected to undertake preparatory reading in order to participate in the discussions.

**Reading List:** A detailed list for each topic will be provided. Key reading includes:

J. Midgley, *Professional Imperialism: Social Work in the Third World*; and J. Midgley, *Social Security, Inequality and the Third World*. Students should also read chapter 9 of:

M. Hardiman & J. Midgley, *The Social Dimensions of Development*.

Other relevant titles include:

W. Clifford, *A Primer of Social Casework in Africa*; M. Clinard & D. Abbott, *Crime in Developing Countries*; S. D. Gokhale & B. Chatterjee (Eds.), *Social Welfare: Legend and Legacy*; N. Hasan, *The Social Security System of India*; ILO, *The Cost of Social Security*; S. K. Khinduka (Ed.), *Social Work in India*; P. Mouton, *Social Security in Africa*; R. Savy, *Social Security in Agriculture*.

**Examination Arrangements:** There will be a three-hour examination based on the topics covered in the seminar. Three questions out of 9 or 10 to be answered. The examination is usually held in mid-June.

## SA6743

**Rural Development**

**Teacher Responsible:** Dr. Anthony Hall, Room A260 (Secretary, Caroline Raffan, A244)

**Course Intended Primarily for** Diploma in Social Planning in Developing Countries.

**Scope:** The course is designed to introduce students to the problems of rural development in the Third World, to consider alternative strategies for improving levels of living in rural areas, and to increase the contribution of the rural sector to national development.

**Syllabus:** The nature and the extent of the problem: the significance of the rural-agricultural sector in national development. The characteristics of rural communities and the impact of socio-economic change. Issues and strategies in rural development: land reform, agricultural improvement, settlement schemes, credit, marketing, extension services and co-operatives. The improvement of the rural infrastructure: water supply, roads, rural electrification, health and education. The community development 'basic needs' and 'conscientization' approaches to rural development. Selection and training of personnel. Administration and evaluation of national plans for rural development. The role of foreign aid.

**Pre-Requisites:** This paper is one of the options available to Diploma students. Knowledge of rural areas and relevant work experience is desirable but not essential.

**Teaching Arrangements:** Teaching is by a weekly seminar (SA178) of 1½ hours in the Michaelmas, Lent and first half of the Summer Terms.

A detailed programme is handed out at the beginning of the Session. Students are required to present papers for group discussion and must provide an outline on the blackboard or by handouts. Extensive reading is an essential part of the course and students are encouraged to discuss seminar presentations with their supervisors or with the course teachers.

**Written Work:** In addition to seminar presentations students write essays on this subject for their supervisors.

**Reading List:** A detailed reading list is included in the seminar programme. The following is an introductory list of books.

N. Long, *An Introduction to the Sociology of Rural Development*; M. Lipton, *Why Poor People Stay Poor: Urban Bias in World Development*; T. Shanin, *Peasants and Peasant Societies*; J. Harriss, *Rural Development*; G. Hunter, *Modernising Peasant Societies*; World Bank, *Rural Development Sector Policy Paper 1975*; A. Pearse, *Seeds of Plenty, Seeds of Want*; P. Harrison, *Inside the Third World*; K. Griffin, *The Political Economy of Agrarian Change*; A. H. Savile, *Extension in Rural Communities*; M. Ahmed & H. Coombs (Eds.), *Education for Rural Development*; R. Apthorpe (Ed.), *Social Research & Community Development*.

**Examination Arrangements:** There is a three-hour written examination paper in June. Students are required to answer three questions from a choice of 10-12 questions.

## SA6744

**Social and Economic Aspects of Urbanization**

**Teacher Responsible:** Mr. D. Narine, c/o Room A244 and Dr. M. Hebbert, Room S412

**Course Intended Primarily for** Diploma in Social Planning in Developing Countries.

**Scope:** To acquaint students with the major problems and issues of urban development and housing policy in developing countries today.

**Syllabus:** Definitions of terms and concepts. Characteristics of Third World urbanisation. Urban social problems. Urban development policy. Housing problems. Approaches to housing policy.

**Pre-Requisites:** Preferably an experience of urban development policy and administration and/or housing administration in a developing country.

**Teaching Arrangements:** Teaching is provided through a seminar (SA179: *Social and Economic Aspects of Urbanisation*) which is held weekly throughout the academic session. A handout listing the topics to be covered each week will be provided at the first meeting of the seminar.

**Written Work:** Members of the seminar will take turns to present a paper for discussion on the topics. All will be expected to undertake preparatory reading in order to participate in the discussions.

**Reading List:** A detailed reading list for each topic is provided on the handout. General works on the subject which all members of the seminar should read include: D. J. Dwyer, *People and Housing in Third World Cities*; D. Drakakis-Smith, *Urbanisation, Housing and the Development Process*; O. F. Grimes, *Housing for Low Income Urban Families*; A. Mabogunje, *The Development Process*; H. S. Murison & J. P. Lea (Eds.), *Housing in Third World Countries*; B. Roberts, *Cities of Peasants*; H. Stretton, *Urban Planning in Rich and Poor Countries*; J. F. C. Turner, *Housing by People*; World Bank, *Housing: Sector Policy Paper*; C. Abrams, *Housing in the Modern World*; G. Brees (Ed.), *The City in Newly Developing Countries*; R. Bromley (Ed.), *The Urban Informal Sector*; J. AbuLughod & R. Hay, *Third World Urbanization*; A. Gilbert & J. Gugler, *Cities, Poverty and Development*; M. Peil and P. Sada, *African Urban Society*; R. Skinner & M. Rodell, *People, Poverty and Shelter*; A. Gilbert & P. Ward, *Housing, the State and the Poor*; P. Ward, *Self-Help Housing*.

**Examination Arrangements:** There will be a three-hour written examination based on the topics covered in the seminar. Three questions out of 9 or 10 are to be answered. The examination is usually held in mid-June.

## SA6745

**Social Implications of Education and Manpower**

**Teacher Responsible:** Dr. Anthony Hall, Room A260 (Secretary, Caroline Raffan, A244)

**Course Intended Primarily for** Diploma in Social Planning in Developing Countries.

**Scope:** The course is designed to consider the role of education in national development and its relation to

manpower needs, with particular reference to the situation in developing countries.

**Syllabus:** Key issues in the study of educational systems: education and social and economic development, the contribution of economists, sociologists, and psychologists. Access to schooling, questions of equity and appropriateness. Planning the curriculum in primary, secondary and tertiary education: vocational, technical and non-formal education; literacy training. The special position of women: education in plural societies: the role of overseas aid and technical co-operation. The role of administrators and educational planners.

**Pre-Requisites:** This paper is one of the options available to Diploma students. Work experience in education is desirable, but not essential.

**Teaching Arrangements:** Teaching is by weekly seminar (SA180) of 1½ hours in the Michaelmas, Lent and half of the Summer Term.

For the main seminar SA180 a detailed programme is handed out at the beginning of the session. Students are required to present papers for group discussion, and must provide an outline on the blackboard or by handouts. Extensive reading is an essential part of the course and students are encouraged to discuss seminar presentations with their supervisors or course teachers.

**Written Work:** In addition to seminar presentations students are required to write one essay on the education system of their own country during the Christmas vacation, for presentation at the start of the Lent Term, as well as further essays.

**Reading List:** A detailed reading list is included in the seminar programme. The following is an introductory list of books:

J. Vaizey, *Education in the Modern World*; R. Dore, *The Diploma Disease*; O. Banks, *The Sociology of Education*; World Bank, *Education Policy Paper 1980*; D. Adams, *Education in National Development*; C. D. Rowley, *The Politics of Educational Planning in Developing Countries* (UNESCO); C. A. Anderson, *The Social Context of Educational Planning* (UNESCO); P. H. Coombs, *What is Educational Planning?* (UNESCO); C. E. Beeby, *Planning and the Educational Administrator* (UNESCO); M. Blaug, *Introduction to the Economics of Education*; M. Woodhall, *Cost-Benefit Analysis in Educational Planning* (UNESCO).

**Examination Arrangements:** There is a three-hour written examination paper in June. Students are required to answer three questions from a choice of 10 to 12 questions.

## SA6760

**Social Policy and Planning in Developing Countries**

**Teacher Responsible:** Mrs. M. G. W. Hardiman (Secretary, Caroline Raffan, A244)

**Course Intended Primarily for** M.Sc. in Social Planning in Developing Countries.

**Scope:** The course is designed to give students a knowledge of the principles of social policy and social planning, and the techniques of planning in relation to the socio-economic and cultural situations of the Third World countries.

**Syllabus:** Concepts of social policy, social development and social planning. Theories of planning and decision-making. Problems of planning: planners and the political process, values and ideologies, the goals of social planning and alternative strategies. Policy issues in social planning: population, rural development, urbanisation, industrialisation and technology, unemployment, income distribution, poverty, health, education, welfare, stratification, the role of women and ethnic relations. International aspects of social development, overseas aid. Social research methods and planning techniques: data collection, survey, censuses, social indicators, operational research, cost-benefit analysis and project appraisal, analysis of national plans.

**Pre-Requisites:** This paper is a compulsory part of the M.Sc. in Social Planning in Developing Countries. Students are expected to have a background in the social sciences and work experience in developing countries. Students should provide themselves with background data on their own countries.

**Teaching Arrangements:** Teaching is by two seminars a week in the Michaelmas, Lent and half of the Summer Term.

SA172: *Social Policy and Planning in Developing Countries*. 1½ hour seminar taught by Mrs. Hardiman and Dr. Hall.

A detailed seminar programme is handed out at the beginning of the session. Students are required to prepare themselves to participate by extensive reading and by discussion of topics with their supervisors. Each week one or more students present papers for which they must provide an outline on the blackboard or by handouts.

SA173: *Social Research Methods and Planning Techniques in Developing Countries*. 2-hour seminar taught by Dr. Bulmer, Mr. Cornford, Dr. Hall and Mr. Piachaud.

A detailed seminar programme is handed out by the course teachers. Introductory lectures are given on the different topics, followed by workshop exercises for which students meet in groups out of seminar hours to prepare presentations.

**Written Work:** In addition to the preparation of seminar papers students will write essays for their tutors on the subject matter of the course.

**Reading List:** Detailed reading lists will be set out in the seminar programme. The following is an introductory list of books: those asterisked should be purchased.

\*M. Hardiman & J. Midgley, *The Social Dimensions of Development: Social Policy & Planning in the Third World*; \*J. Midgley & D. Piachaud (Eds.), *The Fields and Methods of Social Planning*; \*D. Conyers, *An Introduction to Social Planning in the Third World*; S. MacPherson, *Social Policy in the Third World*; \*M. Todaro, *Economics for a Developing World: An Introduction to Principles, Problems and Policies for Development*; A. J. Kahn, *Theory and Practice of Social Planning*; A. Waterson, *Development Planning*; R. Titmuss, *Social Policy: An Introduction*; J. E. Goldthorpe, *The Sociology of the Third World*; E. Boserup, *Women's Role in Development*; V. George & P. Wilding, *Ideology and Social Welfare*; N. Baster,



*Measuring Development*; H. Chenery *et al.*, *Redistribution with Growth*; C. Elliott, *Patterns of Poverty in the Third World*; \*World Bank, *World Development Report 1980*; \*United Nations, *1978 Report on The World Social Situation*; M. Bulmer & D. Warrick, *Social Research in Developing Countries*; \*D. J. Casey & D. A. Lury, *Data Collection in Developing Countries*.

**Examination Arrangements:** There is a three-hour written examination paper in June. Students are required to answer three questions from a choice of 10-12 questions. The paper is not sectionalised; questions are based on work covered in courses SA172 and SA173.

SA6761  
SA6741

### **Planning Health Development (M.Sc. Social Planning in Developing Countries)**

#### **Problems of Health and Disease (Diploma in Social Planning in Developing Countries)**

**Teacher Responsible:** John Carrier, Room A238 (Secretary, Rachel Mawhood, A238)

**Course Intended Primarily for** those following the one-year Master's and Diploma courses (above) although students reading for the M.Sc. in Social Policy and Planning and the M.Sc. in Sociology are also able to attend and be examined in the course.

**Scope:** The aim of the papers is to introduce students with a background in planning and social sectoral planning in the Third World to the issues facing such planners in the field of health service provisions and evaluation. Some experience in a planning agency would be appropriate but not an absolutely essential background for study.

**Syllabus:** Health and ill health in developing countries; The development of health services; indigenous medicine and its relationship with Western medicine; the social, demographic and economic background to the planning of health services; the problems of determining priorities between different parts of health services; the principles of planning primary care and hospital services; the collection and used of health statistics; the financing of health services; the effect of different forms of central, regional and local organisation; the relationships of health and other social services.

**Pre-Requisites:** As above under Scope, some experience in a planning agency or previous work in the health or other social service field in the Third World would be an advantage, but otherwise the entry requirements for the above courses are sufficient.

**Teaching Arrangements:** The course covers the Michaelmas/Lent and half of the Summer Term. The M.Sc. and Diploma students attend the same lectures and seminars (although they sit different examination papers, for which see below under Examination Arrangements). There are several lectures for the course, **Professor Brian Abel-Smith** will give 10 lectures/seminars, **John Carrier** and **David Piachaud**

give several lectures and seminars (SA176) between them and **Dr. Gill Walt** of the London School of Hygiene and Tropical Medicine gives 6 lectures and seminars (mainly on primary health care). Other teachers present to students their own case study researches into health service planning in the Third World (**Drs. Mills, Walker and Sanderson** of the L.S.H.; **Dr. Anderson** of St. Georges Hospital Medical School). The case studies in the past have been drawn from Jordan, Botswana, Lesotho and Papua New Guinea. Each lecture is immediately followed by a seminar. Students prepare seminar papers based upon allotted reading, related to the subject of the lecture. A combined lecture/seminar is of one and a half hours duration. All students are required to prepare themselves for seminar discussion by reading.

**Written Work:** Much of the written work required of students is in the form of seminar paper preparation. Each paper should take about 15 minutes to read, and be about 1,000 words in length. All seminar work papers can be read and discussed by teachers with the student concerned.

**Reading List:** Below is the minimum necessary reading for this course. Specialised reading for seminar topics will be given out by lecturers responsible for particular aspects of the course. Starred items\* should be purchased if possible.

B. Abel-Smith, *Value for Money in Health Services* (Heinemann, 1976) £5.50; B. Abel-Smith, *Poverty, Development and Health Policy: Public Health Papers No. 69* (WHO, 1978); J. Evans *et al.*, *Health Care in the Developing World; Problems of Scarcity and Choice*, New England Journal of Medicine, November 1981; WHO, *Formulating Strategies for Health for All by the Year 2000* (1979); Basil S. Hetzel, *Basic Health Care in Developing Countries* (Oxford University Press, 1978) £4.00; M. Muller, *The Health Nations: A North-South Investigation* (Faber, 1982); K. W. Newell, *Health by the People* (WHO, 1975); WHO, *Sixth Report on the World Health Situation, Parts One and Two* (1980); UNICEF, *Government and the People's Health*, No. 42, April/June 1978; G. Walt & P. Vaughan, *An Introduction to the Primary Health Care Approach in Developing Countries* (Ross Institute Publication, No.13, July 1981); G. E. W. Wolstenholme & K. M. Elliott, *Human Rights in Health* (Ciba Foundation Symposium 23, Associated Scientific Publishers, 1974); World Bank, *Health Sector Policy Paper* (World Bank, 1980).

**Supplementary Reading List:** This is given out at the beginning of the course, reflects the special interest of the subject lecturers.

**Examination Arrangements:** The M.Sc. and Diploma Students are examined in separate papers although the subject matter examined is similar. The M.Sc. paper is a conventional three-hour paper; three questions have to be answered from a choice of about 12/15 set questions. Each question carries the same marks. The Diploma students also have to answer three questions from a choice of about 10/12 questions. All questions carry the same marks.

SA6762

### **Planning Welfare Services and Social Security**

**Teacher Responsible:** Mike Reddin, Room A281 (Secretary, Elizabeth Plumb, A280) and Mrs. S. Crowe, c/o Room A244

**Course Intended Primarily for** M.Sc. in Social Planning in Developing Countries.

**Scope:** To acquaint students with policy issues and problems in planning family welfare and social security services in Third World countries.

**Syllabus:** The nature of family welfare services. Issues in welfare planning; the role of residential care, voluntary action and traditional responses. Administrative problems. The contribution of professional social work. Problems of planning social security. Economic aspects of social security. Social security and redistribution.

**Pre-Requisites:** Preferably a qualification in social work or experience of working in welfare services and/or social security administration in developing countries.

**Teaching Arrangements:** Teaching is provided through a seminar (SA177: *The Planning of Family Welfare Services and Social Security*) which is held weekly throughout the academic session.

A handout listing the topics to be covered each week will be provided at the first meeting of the seminar.

**Written Work:** Members of the seminar will usually take turns to present a paper for discussion on the topics. All will be expected to undertake preparatory reading in order to participate in the discussions.

**Reading List:** A detailed reading list for each topic will be provided. Key reading includes:

J. Midgley, *Professional Imperialism: Social Work in the Third World; and Social Security, Inequality and the Third World*.

Students should also read chapter 9 of: M. Hardiman & J. Midgley, *The Social Dimensions of Development*.

Other relevant titles include:

W. Clifford, *A Primer of Social Casework in Africa*; M. Clinard & D. Abbott, *Crime in Developing Countries*; S. D. Gokhale & B. Chatterjee (Eds.), *Social Welfare: Legend and Legacy*; N. Hasan, *The Social Security System of India*; ILO, *The Cost of Social Security*; S. K. Khinduka (Ed.), *Social Work in India*; P. Mouton, *Social Security in Africa*; R. Savy, *Social Security in Agriculture*.

Students are also encouraged to consult the following journals which contain many relevant articles:

*International Social Work*; *International Social Security Review*.

**Examination Arrangements:** There will be a three-hour examination based on the topics covered in the seminar. Three questions out of 9 or 10 to be answered. The examination is usually held in mid-June.

SA6763

### **Social and Economic Aspects of Urbanisation**

**Teacher Responsible:** Mr. D. Narine, c/o Room A244 and Dr. Hebbert, Room S412

**Course Intended Primarily for** M.Sc. in Social Planning in Developing Countries.

**Scope:** To acquaint students with the major social and economic problems of Third World urbanisation and the policies designed to deal with them.

**Syllabus:** The nature and extent of urbanisation in developing countries. Major social and economic problems of Third World urbanisation. Urban development policy approaches: urban decentralisation, urban planning and management, urban control measures. Approaches to urban housing policies in developing countries.

**Pre-Requisites:** Preferably an experience of urban development policy and administration and/or housing administration in a developing country.

**Teaching Arrangements:** Teaching is provided through a seminar (SA179: *Social and Economic Aspects of Urbanisation*) which is held weekly throughout the academic session. A handout listing the topics to be covered each week will be provided at the first meeting of the seminar.

**Written Work:** Members of the seminar will take turns to present a paper for discussion on the topics. All will be expected to undertake preparatory reading in order to participate in the discussions.

**Reading List:** A detailed reading list for each topic is provided on the handout. General works on the subject which all members of the seminar should read include: D. J. Dwyer, *People and Housing in Third World Cities*; D. Drakakis-Smith, *Urbanization, Housing and the Development Process*; O. F. Grimes, *Housing for Low Income Urban Families*; A. Mabogunje, *The Development Process*; H. S. Murison & J. P. Lea (Eds.), *Housing in Third World Countries*; B. Roberts, *Cities of Peasants*; H. Stretton, *Urban Planning in Rich and Poor Countries*; J. F. C. Turner, *Housing by People*; World Bank, *Housing: Sector Policy Paper*; C. Abrams, *Housing in the Modern World*; G. Breese (Ed.), *The City of Newly Developing Countries*; R. Bromley (Ed.), *The Urban Informal Sector*; J. AbuLghod & R. Hay, *Third World Urbanization*; A. Gilbert & J. Gugler, *Cities, Poverty and Development*; M. Peil and P. Sada, *African Urban Society*; R. Skinner & M. Rodell, *People, Poverty and Shelter*; A. Gilbert & P. Ward, *Housing, the State of the Poor*; P. Ward, *Self-Help Housing*.

**Examination Arrangements:** There will be a three-hour written examination based on the topics covered in the seminar. Three questions out of 9 or 10 are to be answered. The examination is usually held in mid-June.

SA6764

### **Rural Development**

**Teacher Responsible:** Dr. Anthony Hall, Room A260 (Secretary, Caroline Raffan, A244)

**Course Intended Primarily for** M.Sc. in Social Planning in Developing Countries.

**Scope:** The course is designed to introduce students to the problems of rural development in the Third World.

to consider alternative strategies for improving levels of living in rural areas, and to increase the contribution of the rural sector to national development.

**Syllabus:** The nature and extent of the problem; the significance of the rural-agricultural sector in national development. The characteristics of rural communities and the impact of socio-economic change. Issues and strategies in rural development: land reform, agricultural improvement, settlement schemes, credit, marketing, extension services and co-operatives. The improvement of the rural infrastructure: water supply, roads, rural electrification, health and education. The community development 'basic needs' and 'consciousness' approaches to rural development. Selection and training of personnel. Administration and evaluation of national plans for rural development. The role of foreign aid.

**Pre-Requisites:** This paper is one of the options available to M.Sc. students. Knowledge of rural areas and relevant work experience is desirable but not essential.

**Teaching Arrangements:** Teaching is by a weekly seminar (SA178) of 1½ hours in the Michaelmas, Lent and first half of the Summer Terms.

A detailed programme is handed out at the beginning of the Session. Students are required to present papers for group discussion and must provide an outline on the blackboard or by handouts. Extensive reading is an essential part of the course and students are encouraged to discuss seminar presentations with their supervisors or with the course teachers.

**Written Work:** In addition to seminar presentations students write essays on this subject for their supervisors.

**Reading List:** A detailed reading list is included in the seminar programme. The following is an introductory list of books.

N. Long, *An Introduction to the Sociology of Rural Development*; M. Lipton, *Why Poor People Stay Poor: Urban Bias in World Development*; T. Shanin, *Peasants and Peasant Societies*; J. Harriss, *Rural Development*; G. Hunter, *Modernising Peasant Societies*; World Bank, *Rural Development Sector Policy Paper 1975*; A. Pearce, *Seeds of Plenty, Seeds of Want*; P. Harrison, *Inside the Third World*; K. Griffin, *The Political Economy of Agrarian Change*; A. H. Savile, *Extension in Rural Communities*.

**Examination Arrangements:** There is a three-hour written examination paper in June. Students are required to answer three questions from a choice of 10-12 questions.

### SA6765

#### Social Implications of Education and Manpower

**Teacher Responsible:** Dr. Anthony Hall, Room A260 (Secretary, Caroline Raffan, A244)

**Course Intended Primarily for** M.Sc. in Social Planning in Developing Countries. Students in some other branches of the M.Sc. in the Faculty of Economics may also take this paper by agreement with their supervisors.

**Scope:** The course is designed to consider the role of education in national development and its relation to

manpower needs, with particular reference to the situation in developing countries.

**Syllabus:** Key issues in the study of education systems; education and social and economic development, the contribution of economists, sociologists, and psychologists. Access to schooling, questions of equity and appropriateness. Planning the curriculum in primary, secondary and tertiary education: vocational, technical and non-formal education; literacy training. The special position of women: education in plural societies: the role of overseas aid and technical co-operation. The role of administrators and educational planners.

**Pre-Requisites:** This paper is one of the options available to M.Sc. students. Work experience in education is desirable, but not essential.

**Teaching Arrangements:** Teaching is by a weekly seminar (SA180) of 1½ hours in the Michaelmas, Lent and first half of the Summer Terms.

For the main seminar SA180 a detailed programme is handed out at the beginning of the session. Students are required to present papers for group discussion, and must provide an outline on the blackboard or by handouts. Extensive reading is an essential part of the course and students are encouraged to discuss seminar presentations with their supervisors or course teachers.

**Written Work:** In addition to seminar presentations students are required to write one essay on the education system of their own country during the Christmas vacation, for presentation at the start of the Lent Term, as well as further essays.

**Reading List:** A detailed reading list is included in the seminar programme. The following is an introductory list of books:

J. Vaizey, *Education in the Modern World*; R. Dore, *The Diploma Disease*; O. Banks, *The Sociology of Education*; World Bank, *Education Policy Paper 1980*; D. Adams, *Education in National Development*; C. D. Rowley, *The Politics of Educational Planning in Developing Countries* (UNESCO); C. A. Anderson, *The Social Context of Education Planning* (UNESCO); C. E. Beeby, *Planning and the Educational Administrator* (UNESCO); M. Blaug, *Introduction to the Economics of Education*; M. Woodhall, *Cost-Benefit Analysis in Educational Planning* (UNESCO).

**Examination Arrangements:** There is a three-hour written examination paper in June. Students are required to answer three questions from a choice of 10 to 12 questions.

### SA6770

#### Housing Policy and Administration

**Teacher Responsible:** Mrs. Anne Power, Room A226 and Dr. P. Dunleavy, Room L301/2

**Course Intended Primarily for** Diploma in Housing. **Scope:** This is the core course for the first year of the Housing Diploma. It covers:

(1) The history of housing policy from the later 19th century onwards, with special emphasis on post-war policy.

(2) The organisation and influences which structure contemporary housing policy formulations;

(3) The ways in which policy analysis may be applied to improving housing policy.

#### Syllabus:

**History of Housing Policy in Britain:** Nineteenth century origins of housing policy; the role of housing reformers; the beginnings of slum clearance and other powers for local authorities. The inter-war period and the first large-scale public housing drive; major house-building era in the 1930's; the spread of low-cost home ownership. The post-45 reconstruction, the rationing of housing and the "mass housing" boom; decontrol and the reliance on market forces, the major slum clearance drive from the late 1950's; the decline in new public housing following on from the unpopularity of modern "estate" concept; the shift to rehabilitation, to universal home-ownership goals and council house sales.

**Policy Formation in Housing:** The influence of bureaucracies and professions on policy formation; national housing legislation and the roles of political parties, ministers and civil servants, housing interest groups, housing-related professions, local authority associations and public sector unions; the formation of housing policy at the local level; management, relations with clients, issues of access to housing; the implications of central-local relations.

**Housing Policy Analysis:** Policy analysis methods; the range of debate in housing policy; key contemporary problems would include the residualisation of public housing, emergence of priority estates, decentralisation and privatisation, allocation and access to housing, council house sales, rehabilitation of housing, and policies for the private sector; housing futures in Britain, and the forecasting of alternative scenarios.

**Teaching Arrangements:** Core teaching for this paper is provided by 25 lectures (SA187) and 25 seminars (SA187a) Lectures by Anne Power and Patrick Dunleavy; seminars by Anne Power.

A number of other courses provide valuable supplementary coverage according to interests: Supplementary teaching will be available in the following course:  
Gv211 **Public Policy and Planning** lectures (Dr. P. Dunleavy, Michaelmas Term).

**Reading List:** J. Burnett, *A Social History of Housing*; B. Cullingworth, *Council Housing: Purposes, Procedures and Priorities*; D. Donnison & C. Ungerson, *Housing Policy*; H. Dyos & M. Wolff, *The Victorian City*; D. Englander, *Landlord and Tenants in Edwardian England*; E. Gauldie, *Cruel Habitations*; S. Merrett, *State Housing in Britain*; M. Swenarton, *Homes Fit for Heroes*; J. Tarn, *Five Per Cent Philanthropy*; A. Wohl, *The Eternal Slum*; M. Boddy, *Building Societies*; P. Dunleavy, *The Politics of Mass Housing in Britain 1945-75*; J. Macey, *Housing Management*; J. Melling, *Housing, Social Policy and the State*; M. Burbidge *et al.*, *Investigation of Difficult to Let Housing*; W. Dunn, *Introduction of Public Policy Analysis*; A. Power, *Local Housing Management*.

**Examination Arrangements:** There is a three-hour formal written examination in June. A specimen paper will be provided well in advance of the examination. Students are advised to consult the specimen question papers which will be issued during the second term of

the course to familiarize themselves with the examination format.

### SA6771

#### Social Policy and Social Structure

**Teacher Responsible:** Brian Abel-Smith, Room A243 and Professor H. Glennerster, Room A279, Professor D. A. Martin and others

**Course Intended Primarily for** Diploma in Housing. **Scope:** To introduce students to basic concepts in social policy and social structure in modern Britain. **Syllabus:** as in *Calendar* under SA5600 and SO5809. **Teaching Arrangements:** 50 lectures (SA100 and So120). These lectures will be backed up and integrated with the rest of the course in tutorial teaching with required essays.

#### Reading List:

#### Social Policy:

M. Brown, *Introduction to Social Administration* (fifth edition), Hutchinson 1982; M. Hill, *Understanding the Welfare State*, B. Blackwell and M. Robertson 1982; J. Le Grande and R. Robinson, *The Economics of Social Problems*, Macmillan 1976; D. V. Marsh, *The Welfare State*, Longmans 1980; T. Marshall, *Social Policy*, Hutchinson 1975; W. A. Robson, *Welfare State and Welfare Society*, Allen & Unwin 1976; R. M. Titmus, *Social Policy: An Introduction*, Allen & Unwin 1975.

#### Social Structure:

P. Abrams, *Work, Urbanisation and Inequality*; A. H. Halsey, *Change in British Society*; T. Noble, *Structure and Change in Modern Britain*; J. Westergaard and H. Resler, *Class in a Capitalist Society*.

**Examination Arrangements:** There is a three hour formal written examination in June. A specimen paper will be provided well in advance of the examination.

### SA6772

#### Legal Framework of Housing Studies

**Teacher Responsible:** Michael Zander, Room A303 nad Martin Loughlin, Room A355

**Course Intended Primarily for** Diploma in Housing. **Scope:** To provide an introduction to the English Legal system and relate it to housing policy in both public and private sectors.

**Syllabus:** The course is in two parts.

Part I will cover the English legal system, the law-making process, the courts and litigations. See *Calendar* LL5000.

Part II will cover: (1) Introduction; legal concepts relating to housing. (2) Private rented sector; security of tenure, rent regulation. (3) Public rented sector; allocation policies, managements, rents, sales. (4) Homelessness; squatting, responsibilities of local housing authorities. (5) Housing conditions, repairs, unfitnes, statutory nuisances, over-crowding, clearance, improvement.

**Teaching Arrangements:** Students will attend 20 lectures (LL103 and LL105) of Michael Zander's course, the English Legal System, and 10 lectures (SA185) in the Lent term on Housing Law. There will be 20 law classes (SA185a) in Michaelmas and Lent terms to integrate and two course and relate them to housing issues and practice.

**Reading List:** Michael Zander, *The Law Making Process: Cases and Materials on the English Legal System*; D. Hughes, *Public Sector Housing Law*; D. Hoath, *Council Housing Homelessness*; A. Arden, *Manual of Housing Law*; A. Arden and M. Partington, *Housing Law*; A. Arden, *The Housing Act 1980*.

**Examination Arrangements:** There is a three-hour formal written examination in June. A specimen paper will be provided well in advance of the examination.

**SA6773****Housing Economics and Housing Finance**

**Teachers Responsible:** Dr. C. M. E. Whitehead, Room S579 (Secretary, Ms. Vanessa Cartmell, S276), Professor H. Glennerster, Room A279 (Secretary Rachel Mawhood, A255) and David Piachaud, Room A284

**Course Intended Primarily for** Diploma in Housing.  
**Scope:** The course provides an introduction to economics which is then applied to the particular problems of housing economics and finance. There is also a short introduction to the application of accountancy techniques to housing.

**Syllabus:** The course is in three parts. The first covers an introduction to social economics, examining the determinants of supply and demand, the price system and market equilibrium, market failure, government intervention and the role of Government in the UK. The second part deals with the determinants of need, demand and supply of housing and tenure choice, the financing and subsidy system as it applies to owner-occupation – covering sources of finance, interest rates, the form of general subsidy, subsidies to existing stock

and subsidies to assist investment and allocation; the financing and subsidy system as it applies to private renting – covering the determination of rents, security of tenure, the taxation framework, and the effect of the control system on the incentive to supply and demand rented accommodation; the financing and subsidy system as applied to the public sector – the regulatory framework of the 1970's and 1980's Housing Revenue Accounts, investment, allocation and pricing decisions, housing associations the operation of income related subsidies and their relationship to housing demand and allocation comparative analysis of tenures; attributes, access, subsidy.

The third part deals with the principle and functions of housing accounts; budgeting, auditing and financial control.

**Teaching Arrangements:** 10 lectures: **Social Economics – David Piachaud** (SA130) M; 25 lectures: **Housing Economics and Housing Finance** (SA186) Christine Whitehead, Professor Howard Glennerster and an accountant (L15; S10). Classes: (SA186a) integrating the two courses (10M, 10L, 5S).

**Reading List:** Detailed reading lists will be provided at the beginning of each course. Relevant texts include: R. G. Lipsey, *Introduction to Positive Economics*; N. Hepworth, *The Finance of Local Government*; D. McLennan, *Housing Economics*; L. Lansley, *Housing and Public Policy*; N. Hepworth, A. Gray and J. Odling-Smee, *Housing Subsidies and Accounting Manual*; Audit Commission, *Economy, Efficiency and Effectiveness: H Block Grant to Local Authorities*; H. Glennerster, *Paying for Welfare*.

**Examination Arrangements:** There is a three-hour formal written examination in June. A Specimen Paper will be provided well in advance of the examination.

**SOCIOLOGY**

*This section is in two parts. The first part lists the lectures and seminars given by the department. The list provides a cross reference to the Study Guide(s) in which the syllabus and the reading list associated with the lecture or seminar can be found. The second part contains the Study Guides, presented in Study Guide number sequence.*

**Lectures and Seminars**

<i>Lecture/ Seminar Number</i>		<i>Study Guide Number</i>
So100	<b>Introduction to Sociology</b> Dr. C. R. Badcock and Professor D. G. MacRae	23/MLS So5800
So102	<b>Statistics Research and Sociology</b> (Not available 1985–86) Mr. G. Rose	5/S So102
So103	<b>Issues and Methods of Social Research Class</b> Mr. G. Rose	36/ML So5801; So6960
So104	<b>Comparative Social Structures I</b> Dr. I. Roxborough	24/MLS So5820
So105	<b>Comparative Social Structures II</b> Mr. M. C. Burrage and Professor E. A. Wrigley	30/MLS So5830
So106	<b>Sociological Theory</b> Dr. J. M. Mann	20/ML SA5725; So5821; So6815
So110	<b>Contemporary Sociological Theory</b> Professor P. S. Cohen, Dr. L. A. Sklair and Dr. N. Mouzelis (Not available 1984–85)	20/ML So5989
So111	<b>Social and Moral Philosophy</b> Dr. E. Barker	20/MLS So5810
So112	<b>Sociology of Knowledge and Science</b> Dr. A. W. Swingewood	20/ML So5946
So113	<b>Society and Literature</b> Dr. A. W. Swingewood	20/ML So5945
So114	<b>The Psychoanalytic Study of Society</b> Dr. C. R. Badcock	24/MLS So5960
So120	<b>The Social Structure of Modern Britain</b> Professor T. P. Morris, Professor D. A. Martin, Mr. C. M. Langford, Dr. P. Rock et al	30/ML So5809
So121	<b>The Social Structure of the Soviet Union</b> Dr. E. A. Weinberg	20/MLS So5860
So122	<b>The Development of Modern Japanese Society</b> Professor K. E. Thurley	22/MLS So5861

Lecture/ Seminar Number			Study Guide Number
So123	<b>Social Structure and Politics in Latin America</b> (Not available until 1986-87) Dr. I. Roxborough	23/LS	So5862
So130	<b>Political Sociology (alternate years)</b> (Not available 1985-86) Dr. C. T. Husbands and Mr. A. W. G. Stewart	20/MLS	Gv4042; So5880; So6853
So131	<b>Political Processes and Social Change (alternate years)</b> Mr. A. W. G. Stewart	23/MLS	Gv4041; So5881; So6852
So132	<b>Industrialisation and Theories of Social Change</b> Dr. N. Mouzelis and Dr. L. Sklair	20/ML	So5882; So6831
So133	<b>Theories and Problems of Nationalism</b> (Not available 1985-86) Dr. A. D. S. Smith, Professor P. S. Cohen Mr. J. B. L. Mayall and Mr. G. Schöpflin	20/MLS	So5883; So6831 So6850
So134	<b>Urban Sociology (alternate years)</b> Dr. C. T. Husbands	22/MLS	So5916
So140	<b>Industrial Sociology</b> Dr. S. R. Hill and Dr. K. Bradley	20/ML	So5917
So141	<b>Sociology of Sex and Gender Roles</b> Dr. L. A. Sklair and Dr. J. Lewis	24/MLS	So5918
So142	<b>Sociology of Religion (alternate years)</b> Professor D. A. Martin and Dr. E. Barker	25/MLS	So5921
So143	<b>Criminology</b> Professor T. P. Morris	20/MLS	So5919
So144	<b>Sociology of Deviance and Control</b> Dr. P. E. Rock and Dr. D. M. Downes	10/M	SA5734; So5920
So145	<b>Sociology of Medicine</b> Dr. S. Taylor	20/ML	So5922
So150	<b>Social Theory and Social Structure Seminar</b> (Not available 1985-86) Professor P. S. Cohen and Dr. S. R. Hill	25/MLS	
So152	<b>Methods of Social Investigation</b> Mr. G. Rose	12/MLS	So6960
So160	<b>Design and Analysis of Social Investigations</b> Mr. G. Rose	26/MLS	So6800
So161	<b>Design and Analysis of Social Investigations: Special Topics</b> To be arranged	10/ML	So6800

Lecture/ Seminar Number			Study Guide Number
So162	<b>Social Structure of Industrial Societies – Seminar</b> Dr. E. A. Weinberg	25/MLS	So6830; So6969
So163	<b>Sociology of Development – Seminar</b> Dr. N. Mouzelis, Dr. L. A. Sklair and Dr. I. Roxborough	24/MLS	So6831
So165	<b>Sociology of Deviant Behaviour – Seminar</b> Dr. P. E. Rock, Dr. D. M. Downes, and Professor T. P. Morris	25/MLS	So6881
So166	<b>Sociology of Religion – Seminar</b> Professor D. A. Martin and Dr. E. Barker	30/MLS	So6880
So167	<b>Theories of Political Sociology (alternate years)</b> Mr. A. W. G. Stewart	20/ML	So6853
So168	<b>Political Stability and Change – Seminar</b> (Not available 1985-86) (alternate years) Mr. A. W. G. Stewart	22/MLS	So6852
So169	<b>Nationalism – Seminar</b> (Not available 1985-86) Dr. A. D. Smith, Professor P. S. Cohen and Mr. J. B. L. Mayall	20/MLS	So6850
So170	<b>The Political Sociology of Latin America</b> Dr. I. Roxborough	17/MLS	So6854
So171	<b>Sociological Theory – Seminar</b> Dr. J. M. Mann	22/MLS	So6815
So172	<b>Comparative European Social Structures</b> (Not available 1985-86)	15/MLS	So6969
So183	<b>Research Class for M.Phil. Students</b> Dr. J. M. Mann	MLS	So183
So184	<b>Research Seminar on the Sociology of Crime and Deviance</b> Dr. P. E. Rock and Dr. D. M. Downes	25/MLS	So184
So185	<b>Research Seminar in Political Economy and Social Stratification</b> (Not available 1985-86) Dr. C. Crouch and others	15/MLS	So185
So186	<b>Sociology Department Research Seminar</b> Dr. J. M. Mann	15/MLS	So186
So187	<b>Sociology of Literature</b> Dr. A. W. Swingewood	12/MLS	So187
So188	<b>Graduate Seminar on the Sociology of Sex and Gender Roles</b> Dr. L. A. Sklair	MLS	So188

## Study Guides

## So102

## Statistics Research and Sociology

(Not available 1985-86)

**Teacher Responsible:** Mr. G. Rose, Room S667 (Secretary, Miss J. Johnson, S779)**Course Intended Primarily for** B.Sc. (Econ.) Part II; First year Sociology specialists; Dip. Soc.**Scope:** These lectures are intended to provide links between the statistics course SM202 and the other first year sociology courses.**Syllabus:** The role of statistics in social research and in sociological analysis. Examples will be chosen from recent British studies.**Teaching Arrangements:** Five lectures (So102), Summer Term.**Reading List:** A. Heath, *Social Mobility*; G. Rose, *Deciphering Sociological Research*; M. Rosenberg, *The Logic of Survey Analysis*; J. Silvey, *Deciphering Data*; J. Westergaard & H. Resler, *Class in a Capitalist Society*; *Social Trends* (annually).**Examination Arrangements:** Non-examinable.

## So183

## Research Class for M.Phil. Students

**Teacher Responsible:** Dr. Michael Mann, Room S778 (Secretary, Mrs. Yvonne Brown, S686)**Course Intended for** research students in Sociology.**Syllabus:** In the main part of the seminar series research students present papers on their proposed research designs. Each student must submit a paper in written form for Department approval during Summer Term. There are also two series of introducing classes on doing research and on using the L.S.E. computer (participation in the latter being voluntary).

## So184

## Research Seminar on the Sociology of Crime and Deviance

**Teachers Responsible:** Dr. P. Rock, Room S875 (Secretary, Mrs. Elaine Hartwell, A453) and Dr. D. Downes, Room A246 (Secretary, Rachel Mawhood, A255)**Course Intended for** students preparing dissertations on the Sociology of Deviance for the M.Phil. and Ph.D. degrees.**Scope:** Designed to encourage public discussion of evolving work, the seminar will enable participants to review their own, others', and general problems encountered in the process of exploring deviant and allied phenomena.**Teaching Arrangements:** Twenty-five seminars (So184), Sessional.**Examination Arrangements:** Non-examinable.

## So185

## Research Seminar in Political Economy and Social Stratification

(Not available 1985-86)

**Course Intended for** research students working within the area described.**Scope:** The course is designed to encourage discussion of evolving work of students and teachers, with particular emphasis on comparative studies.**Teaching Arrangements:** Seminars (So185), Sessional.**Examination Arrangements:** Non-examinable.

## So186

## Sociology Department Research Seminar

**Teacher Responsible:** Dr. Michael Mann, Room S778 (Secretary, Mrs. Yvonne Brown, S686)**Scope:** An occasional seminar series open to all staff and students of the Sociology Department, in which either departmental members or outside visitors give papers on their current research.

## So5800

## Introduction to Sociology

**Teacher Responsible:** Dr. C. Badcock, Room S665 (Secretary, Miss Josephine Johnson, S779)**Course Intended Primarily for** B.Sc. Sociology 1st year (compulsory), Geog., Maths., Stats., Comp., Act. Sci., Man. Sci., Psych., B.Sc. (Econ.) Parts I and II. Optional for B.Sc. S.S. and A. 1st year; M.Sc.**Scope and Syllabus:** The principal aim is to provide an introduction to the theoretical and empirical study of social systems and of the processes of change which they undergo. An attempt is made to do this by way of certain central questions which have informed, and do inform, sociological enquiry: how society is possible; elements of social structure - communication, socialisation, economic allocation and production, social control, ritual and symbolic action. The history of sociological concepts from the Enlightenment to the present time.**Pre-Requisites:** None. The course assumes no prior knowledge of the social sciences and is suitable for any student in the School eligible to take it.**Teaching Arrangements:** Lectures, So100 23 Sessional, classes, So100a 23 Sessional.

Lectures are organised as follows: Michaelmas Term: 10 lectures given by Dr. Badcock on the fundamentals of society in an evolutionary perspective; 5 lectures, also given by Dr. Badcock in the Lent Term on some principal sociological paradigms linked to the material discussed in the first term (viz: positivism, Marxism, Weberian sociology, Functionalism, Structuralism, Psycho-analysis and Sociobiology); 10 lectures given by Professor MacRae in the Lent and Summer Terms on basic analytic concepts and issues related to industrial society.

Classes: All class groups will follow an identical sequence of class topics and related reading closely linked to the lectures.

**Written Work:** Entirely at the class teacher's discretion. There is no formal requirement for course-work; however, all students are expected to prepare for all classes and to produce class papers if this is the method of instruction agreed on between the class teacher and the class. Students from foreign universities which require written course-work to be assessed must arrange this with their class teachers on an individual basis.**Minimal Reading List:** The basic text-book for the course is G. & J. Lenski, *Human Societies*. Students may also wish to purchase some of the following basic texts:R. Aron, *Main Currents of Sociological Thought*; L. Coser & B. Rosenberg, *Sociological Theory: Readings*; T. Raison, *The Founding Fathers of Social Science*; and, for background reading to Dr. Badcock's lectures: C. Badcock, *The Psychoanalysis of Culture*, and *Levi-Strauss*.

Wherever possible xeroxed copies of selected reading specified on the class reading list will be deposited in the Library off-print collection (excepting the text-book).

**Supplementary Reading List:** ((P) indicates inexpensive paper-back).R. Dawkins, *The Selfish Gene*; L. Stone, *The Family, Sex and Marriage in England 1500-1800* (P); T. Bottomore & M. Rubel, *Selected Writing of Karl Marx* (P); D. MacRae, *Max Weber* (P); R. Nisbet *Durkheim*; R. Fletcher, *The Making of Sociology*; R. Merton, *Social Theory and Social Structure*; M. & R. Friedman, *Free to Choose* (P).**Examination Arrangements:** A three-hour unseen examination towards the end of the Summer Term. Examination questions will tend to follow the lectures and the questions for class discussion printed on the main reading list.

## So5801

## Issues and Methods of Social Research

**Teacher Responsible:** Mr. G. Rose, Room S667 (Secretary, Miss Josephine Johnson, S779)**Course Intended Primarily for** students in the B.Sc. course unit, main field Sociology (compulsory course to be taken in the first, second or third year) and B.Sc. (Econ.) Part II, special subject Sociology (compulsory course to be taken in the second or third year).**Scope:** The aim of the course is to introduce students to central issues and basic techniques in the conduct of research sociology.**Syllabus:** The course examines basic issues and methods of social research using examples from a number of sociological works. It covers elementary aspects of the philosophy of science, the relationship between research and theory, study design and sampling, and the main approaches to doing sociological research, including social surveys, experiments and quasi-experiments, field research and participant observation, and unobtrusive methods. Students are made familiar with the concepts of reliability and validity, with specific techniques of data-gathering (such as interviews, questionnaires, etc.) and with the measurement devices appropriate for

particular tasks (e.g., various types of attitude measurement). The course covers differing approaches to data analysis, in particular various techniques for handling confounding variables and the construction of simple causal models. There is also material on the sources and problems of validity of certain major types of data, such as aggregate data and official data like crime statistics, wealth data and basic demographic statistics. Students work collectively throughout the year on a research project that involves the collection of data by questionnaire and their analysis using the computer.

**Pre-Requisites:** Students must be concurrently taking, or must have completed the course SM202 **Statistical Methods for Social Research** (or an equivalent course).**Teaching Arrangements:** The course comprises a series of twenty lectures, twelve fortnightly workshop classes, and twenty-four weekly classes in small groups.Lectures: SA115 **Methods of Social Investigation** 20 Michaelmas and Lent Terms.

Workshop Classes: So103 12 Sessional (fortnightly starting in the second week of the Michaelmas Term). Classes: So103 24 Sessional.

The lectures provide a comprehensive coverage of topics in the syllabus. The fortnightly workshop classes aim to coordinate practical work on the projects and to show how lecture material can be applied to the project. In the weekly classes there will be sixteen devoted to the project and eight to topics selected directly from the syllabus. Students should note that the lectures, the workshop classes and the weekly classes are all essential parts of the course.

**Written Work:** There is a compulsory assignment entailing the answering of four or so short essay-questions that is distributed at the end of the Michaelmas Term and this must be handed to the student's class teacher by the end of the first full week of the Lent Term. There is also a compulsory research report that contributes to the examination for the course.**Reading List:** There is no single textbook that covers the content of the whole course but students are encouraged to buy:L. H. Kidder, *Research Methods in Social Relations* (4th edn.).

Other useful textbooks are:

K. D. Bailey, *Methods of Social Research*; H. M. Blalock, Jr., *An Introduction to Social Research*; D. P. Forcese & S. Richer (Eds.), *Stages of Social Research*; C. Marsh, *The Survey Method*; C. A. Moser & G. Kalton, *Survey Methods in Social Investigation* (2nd edn.); D. Nachmias & C. Nachmias, *Research Methods in the Social Sciences*; A. Orenstein & W. R. F. Phillips, *Understanding Social Research*; G. Rose, *Deciphering Sociological Research*; M. Shipman, *The Limitations of Social Research*; H. W. Smith, *Strategies of Social Research*; M. Stacey, *Methods of Social Research*.**Supplementary Reading List:** C. Bell & H. Newby (Eds.), *Doing Sociological Research*; M. I. A. Bulmer (Ed.), *Sociological Research Methods*; J. Bynner & K. M. Stribley (Eds.), *Social Research: Principles and Procedures*; J. A. Davis, *Elementary Survey Analysis*; L. Festinger & D. Katz (Eds.), *Research Methods in*

*the Behavioral Sciences*; W. J. Goode & P. K. Hatt, *Methods in Social Research*; P. Hammond (Ed.), *Sociologists at Work*; G. Hoinville, R. Jowell & Associates, *Survey Research Practice*; P. F. Lazarsfeld & M. Rosenberg (Eds.), *The Language of Social Research: A Reader in the Methodology of Social Research*; R. Mayntz, K. Holm & P. Hoebner, *Introduction to Empirical Sociology*; D. C. Miller, *Handbook of Research Design and Social Measurement*; A. N. Oppenheim, *Questionnaire Design and Attitude Measurement*; S. L. Payne, *The Art of Asking Questions*; B. Phillips, *Social Research: Strategies and Tactics*; M. W. Riley, *Sociological Research: A Case Approach*; M. Rosenberg, *The Logic of Survey Analysis*; M. Shipman (Ed.), *The Organisation and Impact of Social Research*; J. Silvey, *Deciphering Data*; E. J. Webb, D. T. Campbell, R. D. Schwartz and L. Sechrest, *Unobtrusive Measures*; H. Zeisel, *Say It With Figures* (5th edn.).

**Examination Arrangements:** There is a conventional three-hour written examination in the Summer Term that is based on the full syllabus. All questions carry the same marks. Seventy per cent of the total assessment for the course is based on this examination. The remaining 30 per cent is awarded for the student's report of the research project. This latter assignment is given towards the end of the Lent Term and the completed report must be handed to the Examinations Office by 1 May.

### So5809

#### Social Structure of Modern Britain

**Teacher Responsible:** Professor Terence Morris, Room S877 (Secretary, Miss Josephine Johnson, S779)

**Course Intended Primarily for** B.Sc. (Econ.) Part II; B.Sc. course units main fields Sociology, Social Psychology; B.Sc. Social Science and Administration; Diploma in Trade Union Studies; Diploma in Housing. **Scope:** The aim is to introduce students to the main contributions of sociological knowledge to the study of post-war British society. This will be achieved by considering some of the main problems which are considered to affect that society. The course is strongly empirical and makes use of quantitative material.

**Syllabus:** An examination of academic evidence relevant to some of the major issues confronting British society including industrial decline, inequality, political uncertainty, the fact of a multi-cultural society and the role of the mass media. This involves discussion of social stratification and mobility; occupational structure and the distribution of income; industrial structure and wealth of ownership; industrial relations; education; the state, including the welfare state; demographic patterns and family structure; religion, patterns of settlement and housing tenure; and race relations.

**Pre-Requisites:** While constructed primarily for first and second year undergraduates reading for the B.Sc. course unit degree in sociology and for the B.Sc. Econ. Part II special subject sociology, the course does not assume a detailed knowledge of sociology. It is intended to be suitable as an outside option for undergraduates reading for a range of other degrees, and for students taking the Diploma in Trade Union

Studies. Overseas students, including those on single-year or single-term courses, may find it a useful means of improving their knowledge of British society.

**Teaching Arrangements:** Lectures (So120) 10 Michaelmas Term and 20 Lent Term supplemented by 15-20 classes.

Classes (So120a) will be taken by teachers in the department of sociology, except for those reading for the B.Sc. in Social Science and Administration and for the specified Diplomas; classes for these students are organised by the appropriate department. During the Summer Term special tuition will be provided for General Course students taking this option.

**Written Work:** In addition to the presentation of class papers, each student attending classes should expect to present a short essay on a topic within the course to his/her class teacher during both the Michaelmas and Lent Terms.

**Reading List:** *Basic Reading.*

\*P. Abrams (Ed.), *Work, Urbanisation and Inequality*; A. B. Atkinson, (Ed.), *Wealth Income and Inequality*; M. Banton, *Racial Minorities*; F. Blackaby (Ed.), *De-Industrialisation*; R. M. Blackburn & M. Mann, *The Working Class in the Labour Market*; W. Brown, *The Changing Contours of British Industrial Relations*; D. Butler & D. Stokes, *Political Change in Britain* (2nd edn.); H. A. Clegg, *The Changing System of Industrial Relations in Great Britain*; P. R. Cox, *Demography*; C. J. Crouch, *The Politics of Industrial Relations* (2nd edn.); A. Francis, "Families, firms and finance capital: the development of U.K. industrial firms with particular reference to their ownership and control", *Sociology*, 14, 1, 1980; J. H. Goldthorpe, *Social Mobility and Class Structure in Modern Britain*; \*A. H. Halsey, *Change in British Society*; A. H. Halsey et al., *Origins and Destinations*; C. C. Harris, *The Family and Industrial Society*; A. Heath, *Social Mobility*; E. Hobsbawm, *Industry and Empire*; T. J. Johnson, *Professions and Power*; D. Kavanagh (Ed.), *The Politics of the Labour Party*; J. Le Grand, *The Strategy of Equality*; D. A. Martin, *A Sociology of English Religion*; \*T. Noble, *Structure and Change in Modern Britain*; A. Oakley, *A Sociology of Housework*; K. Roberts et al., *The Fragmentary Class Structure*; R. Rose, *Politics in England* (3rd edn.); G. Routh, *Occupation and Pay in Great Britain, 1906-1979*; J. Scott, *Corporations, Classes and Capitalism*; A. Sked & C. Cooke, *Post-War Britain: a Political History*; D. J. Smith, *The Facts of Racial Disadvantage*; P. Stanworth & A. Giddens (Eds.), *Elites and Power in British Society*; A. Stewart et al., *Contemporary Britain*; P. Townsend, *Poverty in the United Kingdom*; J. Westergaard & H. Resler, *Class in a Capitalist Society*; M. J. Wiener, *English Culture and the Decline of the English Spirit 1850-1980*; R. Williams, *The Long Revolution*.

\*indicates the most useful general references.

Further reading will be given with the lecture course outline.

**Examination Arrangements:** Those taking this course as part of the B.Sc. course unit or B.Sc. Econ. degree will be examined by means of three essays written during the Easter vacation. The essays, which are chosen from an extensive list of questions, must be of less than 2,000 words each.

### So5810

#### Social and Moral Philosophy

**Teacher Responsible:** Dr. Eileen Barker, Room S684 (Secretary, Mrs. Jean Ridyard, A451)

**Course Intended Primarily for** B.Sc. c.u. main fields Sociology, Social Psychology, B.Sc. (Econ.) Part II Special Subject Sociology, but open to all students, if their depts. agree.

**Scope:** The course is designed to introduce awareness of philosophical problems, particularly those concerned with knowledge and ethics, which are of relevance to the social scientist.

**Syllabus:** Introduction to concepts concerning the nature of knowledge, reality and ethics. Brief description of the thought of some of the classical philosophers.

Elementary principles and fallacies in logical thought. Discussion of problems in descriptions and explanations of social behaviours.

An introduction to moral philosophies, especially those of Kant and the Utilitarians.

Discussion of the relationship between science and values.

**Pre-Requisites:** No background knowledge is necessary.

**Teaching Arrangements:** Lectures So111: 20 Michaelmas and Lent Terms. Lectures which involve considerable student participation, given by Eileen Barker.

Classes: So111a: 20 Michaelmas and Lent Terms taken by David Martin.

**Written Work:** Students are expected to do some simple logical exercises for the lectures and to provide at least one class paper per term.

**Reading List:** J. Hospers, *An Introduction to Philosophical Analysis*; J. Hospers, *Human Conduct*; B. Russell, *Problems of Philosophy*; B. Russell, *A History of Western Philosophy*; A. MacIntyre, *A Short History of Ethics*; K. Popper, *Conjectures and Refutations*, Ch. 1; K. Popper, *The Poverty of Historicism*; A. Ryan, *The Philosophy of the Social Sciences*; M. Lessnoff, *The Structure of Social Science: A Philosophical Introduction*; E. Gellner, *Thought and Change*; E. Gellner, *Legitimation and Belief*.

The Hospers books are the nearest approximation to text books for the course.

**Supplementary Reading List:** This will be given out at the beginning of the course with lecture notes and exercises.

**Examination Arrangements:** Three-hour formal examination in Summer Term. Also an optional essay which can upgrade borderline examination results, but cannot lower marks.

### So5820

### So6962

#### Comparative Social Structures I

**Teacher Responsible:** Dr. I. Roxborough, Room S687 (Secretary, Mrs. Elaine Hartwell, Room A453)

**Course Intended Primarily for** B.Sc. c.u. main field Soc. 2nd year; B.Sc. (Econ.) Part II; Dip. Soc. Normally

students will have successfully completed **Introduction to Sociology** (So100).

**Scope:** The comparative sociology of pre-industrial societies.

**Syllabus:** Problems of comparative method in the analysis of social structure. The contributions of the main sociological schools on the issue; the analysis in terms of modes of production and systems of domination of the major types of complex pre-industrial societies; slavery, caste, feudalism, oriental empires; early capitalism. Race, ethnicity and sex inequality will be considered.

**Teaching Arrangements:** Lectures So104 24 Sessional. Classes So104a Sessional. The lectures will provide an account of the main theories and a survey of the main sources for each of the areas to be covered in the course, while the classes will look in detail at the specific topics listed in the "Class Topics" reading list.

**Written Work:** Students will be expected to prepare one or more class papers and these will normally be revised in light of the class discussion and handed in to be marked by class teachers. Some topics may extend over more than one week.

**Reading List:** Lecture Course: The following list contains a selection of books that will serve as a sound introduction to one or more parts of course. Students are strongly advised to buy and study at least one of these. References to the relevant works of Marx, Weber and Durkheim, and to the literature on substantive problems will be given in the lectures. Specific topic references will be found in class reading lists.

P. Abrams, *Historical Sociology*; P. Anderson, *Passages from Antiquity to Feudalism; Lineages of the Absolutist State*; G. Lenski, *Power and Privilege*; A. Bailey & J. Llobera (Eds.), *The Asiatic Mode of Production*; M. Bloch, *Feudal Society*; S. Eisenstadt, *Political System of Empires*; A. de Ranck and U. Knight (Ed.), *Caste and Race*; M. Weber, *General Economic History*; L. Dumont, *Homo Hierarchicus*; B. Hindess & P. Q. Hirst, *Pre-Capitalist Modes of Production*; R. Hilton (Ed.), *Transition from Feudalism to Capitalism*; E. Hobsbawm, "Introduction" to K. Marx, *Pre-Capitalist Economic Formations*; R. Marsh, *Comparative Sociology*; T. Parsons, *The Evolution of Societies*; M. Finley (Ed.), *Slavery in Classical Antiquity*; I. Wallerstein, *The Modern World System*; C. Tilly (Ed.), *The Formation of National States in Western Europe*; I. Vallier (Ed.), *Comparative Methods in Sociology*; K. Wittfogel, *Oriental Despotism*; A. Weinstein & F. Gatell (Eds.), *American Negro Slavery*.

**Examination Arrangements:** The examination will consist of a three hour unseen written paper. The examination paper will be based on the topics covered in the "Class Topics" list.

### So5821

### So6961

#### Sociological Theory

**Teacher Responsible:** Dr. Michael Mann, Room S778 (Secretary, Mrs. Yvonne Brown, S686)

**Course Intended Primarily for** B.Sc. c.u. main fields Soc. 2nd year, Soc. Anth. 2nd year; B.Sc. (Econ.) Part II; B.Sc. S.S. and A.; M.Sc.; Dip. Soc.

**Syllabus:** An introduction to the main varieties of classical and modern sociological theory, concentrating on three tasks: what are the principal arguments of the classic texts, to what problems and changes in the real world were the theories a response, and what relevance do they have in the contemporary world? The principal theorists and schools considered are: Marx, Weber, Durkheim, Parsons and normative functionalism, symbolic interactionism, phenomenology and contemporary Marxism.

**Teaching Arrangements:** Lectures: So106 Twenty lectures, weekly in Michaelmas and Lent Terms. Classes: So106(a) Twenty classes, weekly in Michaelmas and Lent Terms.

**Reading List:** (a) General Secondary Sources R. Aron, *Main Currents in Sociological Theory* (2 vols.); L. Coser & B. Rosenberg (Eds.), *Sociological Theory*; L. Coser, *Masters of Sociological Theory*; T. Parsons, *The Structure of Social Action* (2 vols.); A. Giddens, *Capitalism and Modern Social Theory*; R. Nisbet, *The Sociological Tradition*; A. Gouldner, *The Coming Crisis of Western Sociology*; J. H. Turner, *The Structure of Sociological Theory*.

(b) Primary Sources

It is important that the student read at least one substantial work by each of the principal classic writers.

For Marx either *Capital*, Vol. I or Vol. III or one of several one-volume collections of his shorter works. For Weber either *The Theory of Economic & Social Organization* or one of the Sociology of Religion Volumes (*The Protestant Ethic, The Religion of China, The Religion of India*). or Gerth & Mills (Eds.), *From Max Weber*. For Durkheim either *The Division of Labour in Society* or *The Elementary Forms of the Religious Life*.

**Examination Arrangements:** One three-hour formal examination in the Summer Term, based on the whole syllabus of the lecture course and the classes.

So5830

So6963

### Comparative Social Structures II

**Teacher Responsible:** Mr. Michael Burrage (Course Convener), Room A375 (Secretary, Mrs. Elaine Hartwell, A453)

**Course Intended Primarily for** B.Sc. Soc. course units (Sociology); B.Sc. Econ. (Sociology); M.Sc. in Sociology, supplementary to Course So162, (Social Structure of Industrial Societies); Dip. Soc.

**Scope:** The aim of the course is to review, making extensive use of comparisons between societies, the main theories related to (a) the industrialisation of the major industrial societies and (b) their more recent development.

**Syllabus:** The course will outline major features in the development of the political, economic and social institutions of modern societies, during both the period of industrialisation and the 20th century. It will also discuss sociological interpretations of these issues. Since the syllabus covers a very wide area, students will be permitted to specialise to some degree, and class discussions and examination papers will provide for this.

**Pre-Requisites:** Undergraduates specialising in sociology normally take this course in their final year. Students taking the course as an outside option should have followed an introductory course in sociology.

**Teaching Arrangements:** Lectures: So105, 30 Sessional. Classes: So105a, 20 Sessional. In the Michaelmas Term Mr. Burrage gives lectures on major issues of economy, polity and collective action in the period of industrialisation, including education and stratification; in Europe and the U.S.A., while Professor Wrigley discusses demographic and family developments. In the Lent Term there will be lectures on the same themes as they affect modern industrial society; and Professor Martin considers the sociological aspects of religion.

Classes will be conducted by Mr. Burrage.

A lecture outline with bibliography will be provided at the first lecture, and additional material will be available for classes.

**Written Work:** In addition to the presentation of class papers, each student attending classes should expect to present a short essay on a topic within the course to his/her class teacher during both the Michaelmas and Lent Terms.

**Reading List:** The following represents a minimal list: D. Bell, *The Coming of Post-Industrial Society*; R. Bendix, *Work and Authority in Industry*; R. Bendix, *Nation-Building and Citizenship*; S. Berger & M. Piore, *Dualism and Discontinuity in Industrial Societies*; J. Gershuny, *After Industrial Society?*; A. Giddens, *Class Structure of the Advanced Societies*; A. Giddens & D. Held (Eds.), *Class, Power and Conflict*; J. H. Goldthorpe (Ed.), *Order and Conflict in Contemporary Capitalism*; D. Held (Ed.), *States and Societies*; C. P. Lindblom, *Politics and Markets*; S. M. Lipset & S. Rokkan, *Party Systems and Voter Alignments*; M. Olsen, *The Rise and Decline of Nations*; R. Pipes, *Russia under the Old Regime*; T. Skocpol, *States and Social Revolutions*.

**Examination Arrangements:** There is a three-hour advanced notice examination in the Summer Term.

So5831

### Unit Essay in Sociology

**Teacher Responsible:** The Departmental Tutor  
**Course Intended Primarily for** B.Sc. (Sociology) (compulsory unit, taken in third year), B.Sc. (Econ.) special subject Sociology (optional course, available in third year)

**Scope:** The essay is to be on a sociological topic to be approved by the Convener of the Department of Sociology. The purpose is to allow the student to study in depth an interest of his or her own choosing. Many approaches are possible in the work for the essay, but there are three main variants: original fieldwork, secondary analysis, and literature review.

**Selection of topic:** The topic must be within the general field of sociology and should fall within the range of competence of a member of the staff, normally a member of the Sociology Department, so that it can be supervised adequately. However, it need not be chosen from those areas of sociology which are at present taught within the Department. The topic should not

overlap too closely with the content of other units that the student is taking. Students may follow up a theme suggested to them by their course-work, but the topic must allow the material and arguments to be developed in greater depth than is possible in the lectures and seminars for the course.

**Teaching Arrangements:** Students should inform the Department of the general area within which their work will lie by the third week of the Michaelmas Term in the year of submission. They must submit a final title to the Department by the fourth week of the Lent Term in order for that title to be approved.

Three meetings will be arranged to discuss the essay. The first, held in the Summer Term of the session prior to the year of submission, will deal with guidelines for the essay, and provide a forum for a general discussion of possible approaches. The second and third meetings will enable progress on the essay to be discussed; these will be held in approximately the fifth week of Michaelmas Term and the fourth week of the Lent Term.

**Arrangements for supervision:** Students should themselves approach the member of staff they would like as supervisor. The role of the supervisor is often seen by students as more directive than the Department intends. The unit-essay gives students the opportunity to work in a more open-ended and individual context than is possible in a course. The role of the supervisor is not to teach, but to give the kind of advice and help which one scholar would normally give another. The supervisor may suggest ways of tackling or limiting a topic, lines of enquiry and preliminary reading, but his or her suggestions are not intended to be seen as exhaustive or definitive. How far the student can use and develop the help that he or she is given is, to a large extent, what the examination of the essay is concerned with. The supervisor should not help with planning or writing the essay in detail, but should then read and comment critically on a draft essay if the student submits one.

**Examination Arrangements:** The completed essay must be of not more than 10,000 words in length; it may include tables and diagrams as appropriate. It must be submitted to the Examinations Office by May 1 in the student's final year. Since a number of people will be reading the essay, the Department would be grateful if it could be submitted in typescript.

So5860

### The Social Structure of the Soviet Union

**Teacher Responsible:** Dr. E. A. Weinberg, Room S666 (Secretary, Mrs. Elaine Hartwell, A453)

**Course Intended Primarily for** B.Sc. c.u. main field Sociology (2nd or 3rd years), B.Sc. (Econ.) Part II; M.Sc.

**Scope:** Major aspects of Soviet social structure will be examined in relation to problems of industrialisation and social change. The course draws on a wide range of contemporary materials, but places these within an historical perspective.

**Syllabus:** Particular attention will be given to the analysis of: women, the family, and population policy, urban and rural structure, the distribution of power, the

economy, collectivisation, social stratification and mobility, the education system, social welfare, trade unions, religion, nationalities, and the military. Problems of information, the role of ideology, cohesion, conflict and social change will also be discussed. The course will also include the comparative analysis of the Soviet Union as a model of industrialisation.

**Pre-Requisites:** A knowledge of introductory sociology is assumed. Knowledge of the Russian language is not necessary.

**Teaching Arrangements:** The lectures and classes are given by Dr. Weinberg and as such are entirely integrated.

Lectures: So121 22 Michaelmas and Lent Terms.

Classes: So121a 22 Michaelmas and Lent Terms.

**Written Work:** Each student is required to produce several papers for class presentation throughout the year.

**Reading List:** The following should be consulted for relevant topics throughout the course:

C. Black (Ed.), *The Transformation of Russian Society*; F. Fleron (Ed.), *Communist Studies and the Social Sciences*; A. Inkeles, *Social Change in Soviet Russia* (essays); A. Inkeles & K. Geiger (Eds.), *Soviet Society: a book of readings*; A. Kassof (Ed.), *Prospects for Soviet Society*; D. Lane, *Politics and Society in the USSR*; E. A. Weinberg, *Development of Sociology in the Soviet Union*; A. Brown & M. Kaser, *The Soviet Union Since the Fall of Khrushchev*; J. Pankhurst & M. P. Sacks, *Contemporary Soviet Society*.

**Examination Arrangements:** There is a three-hour formal examination in the Summer Term.

So5861

### The Development of Modern Japanese Society

**Teacher Responsible:** Professor Keith Thurley, Room H707 (Secretary, Mrs. Ann Morris, H708)

**Course Intended Primarily for** undergraduates taking the B.Sc. (Econ.) and B.Sc. (Sociology) in the second or third year of study. The course can be taken by others, including post-graduates and General Course students.

**Scope:** (a) To introduce students to the main patterns of the development of the modern Japanese state and its economic and social institutions since 1600; (b) To discuss the factors behind this development; (c) To examine a range of social, economic and political topics characterising Japan since 1945, discussing the significance of differences with other advanced industrial societies.

**Syllabus:** Culture, social structure and social change; Japanese ideas and assumptions. Social and economic change in the Tokugawa period. The development of political and industrial elites. Social change in agrarian communities. Urban development in Japan. Educational policy and the educational revolution. The development of large scale organisation and managerial ideology. The growth of the labour unions and the post-war industrial relations system. The labour market and changes in occupational structure. The dynamics of growth and the nature of Japanese capitalism. Social discrimination and social deviance.





**Syllabus:** The course will deal with political and social processes in selected third world societies. It will include such topics as urbanization, agrarian structure, peasant movements, urban class formation, political mobilization, revolutions, the state, military intervention in politics, nationalism, ethnicity and ideology.

**Teaching Arrangements:** Lectures: (So132) 10 Michaelmas and 10 Lent Term.  
Classes: (So132a) Sessional.

**Reading List:** P. Worsley, *The Third World*; J. E. Goldthorpe, *The Sociology of the Third World*; A. Hoogvelt, *The Third World in Global Development*; *The Sociology of Developing Societies*; E. De Kadt and G. Williams (Eds.), *Sociology and Development*; A. Webster, *Introduction to the Sociology of Development*; P. Baran, *The Political Economy of Growth*; A. Bernstein (Ed.), *Underdevelopment and Development*; I. Oxaal, Barnett and Booth (Eds.), *Beyond the Sociology of Development*; R. Rhodes (Ed.), *Imperialism and Underdevelopment*; J. Taylor, *From Modernisation to Modes of Production*; E. Wallerstein, *The Modern World System* (Vol. I and II); B. Moore, *Social Origins of Dictatorship and Democracy*; R. Bendix, *Nation Building and Citizenship*; P. Anderson, *Lineages of the Absolutist State*; A. Gerschenkron, *Economic Backwardness in Historical Perspective*; I. Roxborough, *Theories of Underdevelopment*; P. Bairoch, *The Economic Development of the Third World since 1900*; G. Kitching, *Development and Underdevelopment in Historical Perspective*; N. Girvan, *Corporate Imperialism*; C. Y. Thomas, *Dependence and Transformation*; K. Kumar (Ed.), *Transnational Enterprise: their impact on Third World Societies and Cultures*.

**Supplementary Reading List:** A more detailed list is available from Dr. Mouzelis or Dr. Sklair or secretaries.

**Examination Arrangements:** A three-hour examination in June.

### So5883

#### Theories and Problems of Nationalism

(Not available 1985-86)

**Teacher Responsible:** Dr. A. D. Smith, Room S776 (Secretary, Mrs. J. Ridyard, A451, Ext. 295)

**Course Intended Primarily for** B.Sc. Sociology, B.Sc. (Econ.) Sociology and B.Sc. (Econ.) International Relations.

**Scope:** Investigations into various problems of nationalism and nation-states in their historical, sociological and international aspects, and a consideration of the main theories of their origin and diffusion in Europe and the Third World.

**Syllabus:** The aspects considered cover four main areas:

1. Theories of nationalism and modernisation, including relations between nations and classes, language and religion, and the role of communications and the state;
2. Aspects of race and ethnicity, and the rise of fascism.

3. Nationalism and the international system, including problems of dependency, secession and self-determination;

4. Relations between nationalism and communism, in the Soviet Union and the Third World.

**Pre-Requisites:** A suitable course in Anthropology, Sociology, Political Science, International Relations and International History.

**Teaching Arrangements:** Lectures, So133, 10 Michaelmas and 10 Lent Term given by:

**Dr. A. D. Smith** on Theories of Nationalism, and on Nationalism and Communism;

**Professor P. Cohen** on Race, Ethnicity and Fascism;

**Mr. J. Mayall** on Nationalism and the International System.

These will be supported by weekly classes (So133a) following the lectures given by the relevant lecturer, with revision classes in the Summer Term.

**Reading List:** A. Cobban, *National Self-determination*, Oxford UP, 1945; E. Kedourie, *Nationalism*, Hutchinson, 1960; E. Gellner, *Thought and Change*, Weidenfeld & Nicolson, 1964; H. Kohn, *The Idea of Nationalism*, Macmillan, 1967; N. Glazer & D. Moynihan (Eds.), *Ethnicity, Theory and Experience*, Harvard UP, 1975; H. Seton-Watson, *Nations and States*, Methuen, 1977; T. Nairn, *The Break-up of Britain*, New Left Books, 1977; L. Tivey (Ed.), *The Nation-State*, Martin Robertson, 1980; J. Breuille, *Nationalism and the State*, Manchester UP, 1982; A. D. Smith, *Nationalism in the Twentieth Century*, Martin Robertson, 1979; A. D. Smith, *The Ethnic Revival*, Cambridge UP, 1981; A. D. Smith, *Theories of Nationalism* (2nd edn.), Duckworth, 1983.

**Supplementary Reading List:** A more detailed reading list is available from Dr. Smith or secretary.

**Examination Arrangements:** A three-hour exam in June, divided into a Sociology and a Politics/History section, at least one question to be answered from each section.

### So5916

#### Urban Sociology

**Teacher Responsible:** Dr. C. T. Husbands, Room S879 (Secretary, Mrs. Elaine Hartwell, A453)

**Course Intended Primarily for** students in the B.Sc. course unit main field Sociology (second or third years) and B.Sc. (Econ.) Part II, special subject Sociology (second and third years).

**Scope:** The aim of the course is to teach students both about the intellectual origins of urban sociology and also about contemporary theoretical debates and empirical research in the subject.

**Syllabus:** This course both analyses social and economic phenomena that have differential distributions in urban space and also examines the role of space in mediating urban social relationships.

Subjects covered under the first of these categories include: contributions to the study of human ecology by the Chicago School, later developments in ecological analysis, the role of urban renewal and slum clearance in affecting urban ecology, and the contributions of the neo-Marxist school of urban analysis. There are also discussions of the dimensions

of the 'inner-city problem', of the dynamics of residential segregation by race, and of race differentials in access to urban housing and employment.

Under the second category of subject matter the course examines such issues as urban crowding, territoriality in an urban environment, racist voting behaviour, defensible space, and related issues in the sociology of housing design.

There is a small compulsory project in which students use the computer to perform an exercise in factorial ecology upon census data for Greater London; no previous acquaintance with the computer is required.

**Pre-Requisites:** Students are normally expected to have taken So100: *Introduction to Sociology* or to be able to present evidence of equivalent knowledge. However, in special circumstances exceptions may be made to this requirement.

**Teaching Arrangements:** There is a lecture course and a series of twenty-two weekly classes.

Lectures: So134 22 Sessional

Classes: So134a 22 Sessional

**Written Work:** For the classes students take turns to prepare essays on themes connected with the lecture course; these essays are presented to the class for criticism and discussion.

**Reading List:** E. W. Burgess & D. J. Bogue, *Contributions to Urban Sociology*; M. Castells, *The Urban Question*; L. J. Duhl (Ed.), *The Urban Condition*; M. Harlow (Ed.), *Captive Cities*; P. K. Hatt & A. J. Reiss (Eds.), *Cities and Society*; W. H. Michelson, *Man and His Urban Environment, with Revisions*; C. G. Pickvance (Ed.), *Urban Sociology: Critical Essays*; M. Stewart (Ed.), *The City*; G. A. Theodorson (Ed.), *Studies in Human Ecology*.

**Supplementary Reading List:** K. Bassett & J. R. Short, *Housing and Residential Structure*; B. J. L. Berry & J. D. Kasarda, *Contemporary Urban Ecology*; M. Castells, *City, Class and Power*; G. E. Cherry, *Urban Change and Planning*; C. Cockburn, *The Local State*; P. Dunleavy, *Urban Political Analysis*; J. L. Freedman, *Crowding and Behaviour*; P. Hall (Ed.), *The Inner City in Context*; D. Harvey, *Social Justice and the City*; D. T. Herbert & R. J. Johnson (Eds.), *Social Areas in Cities*; Housing Workshop of the Conference of Socialist Economists, *Political Economy and the Housing Question*; *Housing and Class in Britain*; *Housing, Construction and the State*; P. Lawless, *Britain's Inner Cities*; T. R. Lee, *Race and Residence*; C. Mercer, *Living in Cities*; S. Merrett, *State Housing in Britain*; S. Merrett, *Owner-Occupation in Britain*; National Community Development Project, *The Costs of Industrial Change*; O. Newman, *Defensible Space*; K. Newton (Ed.), *Urban Political Economy*; J. Rex & S. Tomlinson, *Colonial Immigrants in a British City*; P. Saunders, *Urban Politics*; M. P. Smith, *The City and Social Theory*; K. Young & P. L. Garside, *Metropolitan London*.

**Examination Arrangements:** Assessment is entirely by a three-hour written examination in the Summer Term that is based on the full syllabus. All questions carry the same maximum of marks.

### So5917

#### Industrial Sociology

**Teacher Responsible:** Dr. S. R. Hill, Room A454a (Secretary, Mrs. Elaine Hartwell, A453, Ext. 454)

**Course Intended Primarily for** undergraduate B.Sc. Soc. and B.Sc. (Econ.) special subjects Sociology and Industrial Relations.

**Scope:** Coverage of modern industrial sociology, with an emphasis on the labour process and issues of political economy.

**Syllabus:** Competing interests at work. The development of the managerial function. Managerial structure and goals. Bureaucracy and organizational theory. The Japanese corporation. Self-management. Industrial democracy. Work behaviour and job satisfaction. The deskilling debate. Labour market segmentation. Women in employment. The institutionalization of industrial conflict. Trade union representativeness and effectiveness. The structure of the working and middle classes. Ideology and consciousness. The collective organization of non-manual employees. The state, political parties and the economy.

**Pre-Requisites:** Normally one of *Introduction to Sociology*, *The Social Structure of Modern Britain*, *Introduction to Social Anthropology*, but this requirement is waived for B.Sc. (Econ.) special subject Industrial Relations.

**Teaching Arrangements:** There will be 20 lectures (So140) and 23 classes (So140a) given by Dr. Hill and Dr. K. Bradley.

**Written Work:** Each student is expected to present at least one class paper per session and, depending on the number of people per class, may be asked to present two.

**Reading List:** The recommended textbook is S. Hill, *Competition and Control at Work*. Other books of a general nature that cover substantial parts of the syllabus are:

H. Braverman, *Labor and Monopoly Capital*; C. Crouch, *Trade Unions: The Logic of Collective Action*; R. Edwards, *Contested Terrain*; A. Giddens & G. Mackenzie (Eds.), *Social Class and the Division of Labour*; D. M. Gordon, et al., *Segmented Work, Divided Workers*; S. Wood (Ed.), *The Degradation of Work?*

The major additional references for individual topics on the syllabus, arranged chronologically by topic are:

A. Fox, *Beyond Contract*, chaps. 6 and 7; C. Littler, *The Development of the Labour Process*; J. Scott, *Corporations, Classes and Capitalism*, chaps. 2-4; M. Crozier, *The Bureaucratic Phenomenon*, Part 3; R. Dore, *British Factory - Japanese Factory*; K. Bradley & A. Gelb, *Worker Capitalism*; J. Thornely, *Workers' Co-operatives*; M. Poole, *Workers' Participation in Industry*; J. Goldthorpe et al., *The Affluent Worker, Vol. 1*; A. Zimbalist, *Case Studies on the Labor Process*; I. Berg (Ed.), *Sociological Perspectives on Labor Markets*, chaps. 4 and 5; A. Amsden (Ed.), *The Economics of Women at Work*; J. West (Ed.), *Work, Women and the Labour Market*; W. Korpi & M. Shalev, 'Strikes, industrial relations and class conflict', *British Journal of Sociology*, 1979; A. Carew, *Democracy and Government in European Trade*





and economic factors, personality structures and basic biological drives interact in constituting human social behaviour.

**Syllabus:** The course is based on Freud's cultural theory and its relation to psychoanalysis in general. It considers individual psychological ontogeny as recapitulating social phylogeny and considers the inter-relations between culture, religion and psychopathology. It looks at group psychology and the structure of the ego, object-relations and social interactions, and the theory of groups. It examines the literature of psychoanalytic anthropology and sociology and considers the sociological critique of psychoanalysis and the psychoanalytic critique of sociology. It attempts to define psychoanalysis as a central paradigm in the social sciences and explores its relations with sociology, psychology, anthropology, economics and history.

**Pre-Requisites:** None, but prior attendance at course PS101 (**Psychoanalytic Theories and their derivatives**) would be desirable.

**Teaching Arrangements:** Lectures: So114 10 Michaelmas and 10 Lent Term.  
Classes: So114a Sessional.

**Written Work:** entirely at the class teacher's discretion. There is no formal course work.

**Reading List:** S. Freud, *Totem and Taboo; Civilisation and Its Discontents; Group Psychology and the Analysis of the Ego; Moses and Monotheism; The Question of Lay-analysis; Introductory Lectures on Psychoanalysis*; A. Freud, *The Ego and the Mechanisms of Defence; Normality and Pathology in Childhood; A Study-guide to Freud's Writings*; G. Roheim, *Psychoanalysis and Anthropology; The Riddle of the Sphinx*; E. Jones, *Essays on Applied Psychoanalysis; The Nightmare*; P. A. Robinson, *The Sexual Radicals*; T. Reik, *Ritual*; A. Kardiner, *The Psychological Frontiers of Society*; G. Devereux, *From Anxiety to Method in the Behavioural Sciences; Dreams in Greek Tragedy*; E. Erikson, *Childhood and Society*; E. Fromm, *The Sane Society*; W. LaBarre, *The Ghost Dance*; C. Levi-Strauss, *The Elementary Structures of Kinship*; M. Spiro, *Oedipus in the Robriands*; H. Marcuse, *Eros and Civilization*; B. Mazlish, *Psychoanalysis and History*; W. Muensterberger et al. (Eds.), *The Psychoanalytic Study of Society*, 10 vols.; W. Rieff, *Triumph of the Therapeutic*; F. Weinstein & G. Platt, *Psychoanalytic Sociology*; M. Fortes, *Oedipus and Job in West African Religion*; R. Fox, *The Red Lamp of Incest*; J. H. Crook, *The Evolution of Human Consciousness*; C. Badcock, *Levi-Strauss, The Psychoanalysis of Culture: Madness and Modernity*; N. O. Brown, *Life Against Death*; R. Bocock, *Freud and Modern Society; Sigmund Freud*; R. Endleman, *Psyche and Society*; S. Moscovici, *La Psychanalyse: Son Image et Son Public*.

**Supplementary Reading List:** A supplementary reading list associated with class topics will be issued to students at the beginning of the course.

**Examination Arrangements:** A three-hour unseen examination towards the end of the Summer Term.

## So6800

### Methods of Sociological Study

**Teacher Responsible:** Mr. G. Rose, S667 (Secretary, Miss Josephine Johnson, S779)

**Course Intended Primarily for** M.Sc. (Sociology), for which it is the compulsory course. Part-time students taking the M.Sc. over two years may wish to note that the course can be taken in either the first or second year. First year M.Phil. (Sociology) students are encouraged to attend either the whole or parts of the course, but their attendance is optional.

**Scope:** The aim of the course is to discuss main aspects of the research methods used in Sociology. However it is not a specialist course, nor is it of a technical nature; it is devised to meet the general needs of M.Sc. students as a whole.

**Syllabus:** The main problems arising in the logic of sociological research, the design of social investigations, the collection of data, and the analysis and interpretation of results.

**Pre-Requisites:** This is not a course on statistical techniques, but it is an advantage for students to have a prior knowledge of elementary statistics approximately to the level required for the London B.Sc. (Sociology) degree. Any students who wish to refresh their memories or who need to fill in gaps in their knowledge can attend undergraduate course SM202, either in full or in part.

**Teaching Arrangements:** There are two series of seminars  
So160: **Design and Analysis of Social Investigation**. 26 Sessional.

So161: **Design and Analysis of Social Investigation** (special topics) 10 Michaelmas and Lent Term.  
Each series of seminars will intersperse three methods of teaching:

- (a) lecture followed by discussion
- (b) student seminar papers followed by discussion
- (c) invited guest speakers, talking about their own research or special topics.

Part of the assessment for the course is, in normal circumstances, a "project paper" which involves the design of a research study (see section on examination arrangements, below). Approximately one-third of the seminars will, therefore, focus on this topic. However, students may substitute one of two other options for this project paper.

*Either* (a) Course SM268, **Further Statistical Methods**. This course focusses on topics such as non-parametric techniques, analysis of variance and covariance, multiple regression and other selected multivariate techniques. It assumes a knowledge of introductory statistics comparable to SM202. For further details of the course, including examination methods, see the relevant study guide.

*or* (b) In exceptional cases, students may submit an extended paper on a methodological subject (the topic to be determined in consultation with Mr. Rose).

**Written Work:** In normal circumstances (i.e. when the student undertakes the "project paper"), he or she will write two papers as part of their course: (i) at the end of Michaelmas Term and (ii) at the beginning of Summer Term. Paper (ii) will be based on the student's project, and acts as preparation for the final project

paper, which is formally examined (see section on examination arrangements, below).

If option (a) is taken instead of the project paper, paper (i) is required, plus the usual requirements of course SM268. If option (b) is taken, paper (i) is required, and paper (ii) will act as preparation for the extended paper on a methodological subject. Students should also expect to give up to three seminar papers, of which one will be on their project (or their option).

**Reading List:** No one book covers the whole syllabus. Students are advised to purchase L. H. Kidder, *Research Methods in Social Relations*, (4th edn.) Holt, 1981; G. Rose, *Deciphering Sociological Research*, Macmillan, 1982.

Readings which students may wish to consult include: K. D. Bailey, *Methods of Social Research*, Free Press, 1978; C. Bell & H. Newby (Eds.) *Doing Sociological Research*, Allen & Unwin, 1977; H. S. Becker, *Sociological Work*, Aldine, 1970; M. Bulmer (Ed.), *Sociological Research Methods*, Macmillan, 1977; R. G. Burgess, *In the Field*, Allen & Unwin 1984; D. T. Campbell & J. C. Stanley, *Experimental and Quasi-Experimental Designs for Research*, Rand McNally, 1963; N. K. Denzin, *The Research Act*, McGraw-Hill, 1978; P. Hammersley & P. Atkinson, *Ethnography: Principles in Practice*, Tavistock 1983; G. Hoineville et al., *Survey Research Practice*, Heinemann, 1978; C. Marsh, *The Survey Method*, Allen & Unwin, 1982; G. J. McCall, & J. L. Simmons, *Issues in Participant Observation*, Addison-Wesley, 1969; R. K. Merton, *On Theoretical Sociology*, Free Press, 1968; D. C. Miller, *Handbook of Research Design and Social Measurement*, McKay, 1970; C. A. Moser, & G. Kalton, *Survey Methods in Social Investigation*, Heinemann, 1971; A. Orenstein, & W. R. F. Phillips, *Understanding Social Research*, Allyn and Bacon; L. Schatzman & A. L. Strauss, *Sociology*, Prentice-Hall; C. Selltiz et al., *Research Methods in Social Relations* (2nd, 3rd edns.), Holt, 1976; M. Shipman, *The Limitations of Social Research*, Longman, 1972; M. Shipman (ed.), *The Organisation and Impact of Social Research*, Routledge, 1976; J. Silvey, *Deciphering Data*, Longman, 1975; H. W. Smith, *Strategies of Social Research*, Prentice-Hall, 1975, 1981; J. P. Wiseman & M. S. Aron, *Field Projects for Sociology Students*, Schenkman, 1970.

**Examination Arrangements:** There is a three-hour formal examination in the Summer Term, based on the whole syllabus. The paper contains ten questions of which three are to be answered. Copies of previous years' papers are available.

66% of the total assessment for the course is based on the examination paper. The other 34% is awarded either on the project paper, assigned during Lent Term, or on one of the two alternatives listed above.

## So6815

### Sociological Theory (Seminar)

**Teacher Responsible:** Professor P. S. Cohen, Room K204 and Dr. M. Mann, Room S778 (Secretaries, Miss J. Gauntlett, S878 and Mrs. Y. Brown, S686)

**Course Intended Primarily for** M.Sc. students

**Syllabus:** Recent trends in sociological theory. The exact syllabus is worked out at the beginning of the

academic year according to the interests of students doing the course.

Among the topics covered are: phenomenology, hermeneutics, contemporary Marxism, neo-evolutionary theory, and recent trends in historical and comparative sociology. Students are assumed to have a basic grounding in classical theory, but they may pursue more intensively selective themes within it if they wish.

**Teaching Arrangements:** Twenty-two two-hour seminars (So171) weekly throughout the Session. Dr. Mann, Michaelmas and Lent Terms and Professor Cohen, Lent and Summer Terms.

**Reading List:** This is mainly constructed at the beginning of the terms. Useful introductory books are: P. Cohen, *Modern Sociological Theory*; A. Gouldner, *The Coming Crisis of Western Sociology*. **These two books are useful for trends up to c.1965.** J. H. Turner, *The Structure of Sociological Theory*; A. Giddens, *Central Problems of Sociological Theory; A Contemporary Critique of Historical Materialism*.

**Examination Arrangements:** One three-hour formal examination in the Summer Term, comprising topics agreed with the students and covered in the course of the seminar series. Students must answer three from about ten questions.

## So6830

### Social Structure of Industrial Societies

**Teacher Responsible:** Dr. Elizabeth Weinberg, Room S666 (Secretary, Mrs. Elaine Hartwell, A453)

**Course Intended Primarily for** M.Sc. Sociology, available as an outside option within some other M.Sc. courses. M.A. Area Studies (United States).

**Scope:** The aim of the course is to increase students' knowledge of a number of industrial societies by concentrating on the application to them of certain major sociological theories.

**Syllabus:** Political power, labour movements and industrial relations, gender relations, education and work, stratification and social mobility in industrial societies. Problems of comparative analysis. The course will focus on Britain, France, Germany, the U.S.S.R., U.S.A. and Japan.

**Pre-Requisites:** A first degree in sociology or some experience of undergraduate courses in sociology. (Students reading for the M.A. Area Studies (United States) are subject to different rules concerning pre-requisites).

**Teaching Arrangements:** Course comprises at least 20 two-hour seminars (So162) at which papers (two each week) are presented by the students and occasionally by teachers. During Michaelmas and part of Lent Term the seminars follow a prescribed pattern of topics, for which extensive bibliographies are made available. During the remainder of Lent and some weeks of Summer Term the papers are chosen by the students, reading material being discussed individually with the teachers. (Students are also recommended to attend the lecture course So105).

**Reading List:** The following represents a minimal list: M. Archer, *Social Origins of Educational Systems*; D. Bell, *The Coming of Post-Industrial Society*; S. Berger (Ed.), *Organising Interests in Western Europe*; S.

Berger & M. Piore, *Dualism and Discontinuity in Industrial Societies*; H. A. Clegg, *Trade Unionism under Collective Bargaining*; C. J. Crouch & A. Pizzorno, *The Resurgence of Class Conflict in Western Europe since 1968* (2 Vols.); R. Edwards, *Contested Terrain*; F. Froebel et al., *The New International Division of Labour*; A. Giddens, *Class Structure of Advanced Societies*; J. Gershuny, *After Industrial Society?*; C. Lindblom, *Politics and Markets*; S. M. Lipset & S. Rokkan, *Party Systems and Voter Alignments*; V. Mallinson, *An Introduction to the Study of Comparative Education*; P. C. Schmitter and G. Lehbruch (Eds.), *Trends towards Corporatist Intermediation*; D. Treiman, *Occupational Prestige on Comparative Perspective*.

**Examination Arrangements:** There is a conventional three-hour examination in the Summer Term, in which three questions must be answered. There is an extensive list of questions, and the topics selected by students for their papers are borne in mind when the examination is set.

## So6831

**Sociology of Development**

**Teacher Responsible:** Dr. N. Mouzelis, Room S775 (Secretary, Miss Josephine Johnson, S779)

**Seminar Intended Primarily for** M.Sc. Sociology.

**Scope:** Selected sociological issues in developing societies.

**Syllabus:** Dependency and development in the Third World; the role of multinational corporations; the state; nationalism; ideology, culture and political mobilization; ethnicity; populism; marginality and the urban working class; military intervention in politics; peasantry; revolutionary movements in the Third World; socialist development paths.

**Pre-Requisites:** Knowledge of basic sociological theory.

**Teaching Arrangements:** Seminars: So163 24 Michaelmas, Lent and Summer Terms. The Lecture courses So132 and So133 are also relevant.

**Written Work:** Students are expected to write and present at least two seminar papers (one during the Michaelmas and one during the Lent Term).

**Reading List:** E. Wallerstein, *The Modern World System Vol. I and II*; B. Moore, *Social Origins of Dictatorship and Democracy*; R. Bendix, *Nation Building and Citizenship*; P. Anderson, *Lineages of the Absolutist State*; A. Gerschenkron, *Economic Backwardness in Historical Perspective*; P. Baran, *The Political Economy of Growth*; P. Worsley, *The Third World*; J. E. Goldthorpe, *The Sociology of the Third World*; E. De Kadt and G. Williams (Eds.), *Sociology and Development*; A. Hoogvelt, *The Third World in Global Development: The Sociology of Developing Societies*; A. Bernstein (Ed.), *Underdevelopment and Development*; I. Oxaal, Barnett and Booth (Eds.), *Beyond the Sociology of Development*; R. Rhodes (Ed.), *Imperialism and Underdevelopment*; J. Taylor, *From Modernisation to Modes of Production*; I. Roxborough, *Theories of Underdevelopment*; J. Paige, *Agrarian Revolution*; A. D. Smith, *State and Nation in the Third World*; I. Redclift, *From Peasant to Proletarian*; P. Bairoch, *The Economic Development of*

*the Third World since 1900*; P. Bairoch and M. Levy-Leboyer (Eds.), *Disparities in Economic Development since the Industrial Revolution*; G. Kitching, *Development and Underdevelopment in Historical Perspective*; F. H. Cardoso and E. Faletto, *Dependency and Development in Latin America*; D. Collier (Ed.), *The New Authoritarianism in Latin America*; N. Girvan, *Corporate Imperialism*; C. Y. Thomas, *Dependence and Transformation*; C. Rosberg and T. Callaghey (Eds.), *Socialism in Sub-Sahara Africa*; I. L. Horowitz (Ed.), *Cuban Socialism*; M. Selden and V. Lippit (Eds.), *The Transition to Socialism in China*; K. Kumar (Ed.), *Transnational Enterprises: their impact on Third World Societies and Cultures*.

**Supplementary Reading List:** Detailed reading lists on specific topics are available from Dr. Sklair or Dr. Mouzelis.

**Examination Arrangements:** A three-hour examination in June. Three questions to be answered.

## So6850

**Nationalism**

(Not available 1985-86)

**Teacher Responsible:** Dr. A. D. Smith, Room S776 (Secretary, Mrs. J. Ridyard A451, Ext. 295)

**Course Intended Primarily for** M.Sc. Sociology, International Relations, Anthropology, Political Science.

**Scope:** An examination of the causes and role of ethnic identity and nationalist movements in the modern world, and of the relations between nations and states.

**Syllabus:** Nationalism and the international system; Nationalism and development; ethnic separatism and irredentism; race and nationalism; nationalism and revolution.

**Teaching Arrangements:** Seminars: So169 10 Michaelmas and 10 Lent Term. (Students are also recommended to attend course So133).

**Reading List:** A. Cobban, *National Self-Determination*, Oxford University Press 1945; E. Kedourie, *Nationalism*, Hutchinson, 1960; E. Kedourie (Ed.), *Nationalism in Asia and Africa*, Weidenfeld & Nicolson, 1971; E. Gellner, *Thought and Change*, Weidenfeld & Nicolson, 1964, 1971; K. Deutsch, *Nationalism and Social Communication*, MIT Press, 1966; H. Kohn, *The Idea of Nationalism*, Macmillan, 1967; P. Sugar & I. Lederer (Eds.), *Nationalism in Eastern Europe*, Seattle, 1969; I. Geiss, *The Pan African Movement*, Methuen, 1974; M. Hechter, *Internal Colonialism*, Routledge & Kegan Paul, 1975; N. Glazer and D. Moynihan (Eds.), *Ethnicity Theory and Experience*, Harvard University Press, 1975; H. Seton-Watson, *Nations and States*, Methuen, 1977; T. Nairn, *The Break-up of Britain*, New Left Books, 1977; L. Tivey (Ed.), *The Nation State*, Martin Robertson, 1980; J. Breuille, *Nationalism and the State*, Manchester University Press, 1982; J. Armstrong, *Nations before Nationalism*, University of North Carolina Press, 1982; A. D. Smith, *Nationalism in the Twentieth Century*, Martin Robertson, 1979; A. D. Smith, *The Ethnic Revival*, Cambridge University Press, 1981; A. D. Smith, *Theories of Nationalism*, 2nd edn., Duckworth, 1983.

**Supplementary Reading List:** A more detailed reading list is available from Dr. Smith and secretary and at the first two seminars.

**Examination Arrangements:** A three-hour examination in June with three questions to be answered.

## So6852

**Political Stability and Change**

(Not available 1985-86)

**Teacher Responsible:** Mr. A. W. G. Steward, Room S876 (Secretary, Mrs. Yvonne Brown, S686)

**Course Intended Primarily for** M.Sc. and other graduate students.

**Scope:** The aim of the seminar is to explore major problems in the analysis of political stability and change. Particular attention is paid to the discussion of alternative frameworks for the analysis of stability and change and of the differential contribution of social structural, cultural and organisational factors.

**Syllabus:** Role attributed to politics and the state within macro-theories of social development; differential political implications of capitalism and modernisation; processes of state formation; material and cultural factors as determinants of stability and change; social movements as sources of stability and change; concepts of "pre-political" movements; structure, culture and organisation in the analysis of societal breakdown and revolution; case studies of the development of social democratic, fascist and communist regimes.

**Pre-Requisites:** A working knowledge of basic sociological theory (i.e. of analysis in terms of norms, roles, structures, institutions, etc.) and an ability to integrate theoretical and empirical materials.

**Teaching Arrangements:** Seminars: So168 Sessional. The course is normally given every other year, alternating with So6853, **Theories of Political Sociology**. Papers are presented by one or more members of the seminar upon relevant topics agreed and assigned at the first meeting of the seminar. Students choosing the course are strongly recommended to attend the lecture course "Political Processes and Social Change" (So131) which deals with many of the same problems with which the seminar is concerned. Students with little or no background in the field of political sociology will find it helpful to attend at least some of the lecture course **Political Sociology** (So130).

**Written Work:** Members of the seminar will be required to present two papers during the course of the session.

**Reading List:** C. Tilly, *As Sociology meets History*; A. Stinchcombe, *Theoretical Methods in Social History*; P. Blau (Ed.), *Approaches to the Study of Social Structure*; B. Moore, *Social Origins of Dictatorship and Democracy*; P. Anderson, *Lineages of the Absolutist State*; C. Tilly, *The Formation of Nation States in Western Europe*; N. Poulantzas, *Fascism and Dictatorship*; R. Bendix, *Nation-Building and Citizenship*; G. Roth, *The Social Democrats in Germany*; M. Schwartz, *Radical Protest and Social Structure*; C. Tilly, *The Vendee*; N. Smelser, *Theory of Collective Behaviour*; L. Kaplan, *Revolutions: A Comparative Study*; S. Woolf (Ed.), *The Nature of Fascism*, M. Kitchen, *Fascism*; T. Skocpol, *States and*

*Social Revolutions*; I. Wallerstein, *The Modern World System*; E. Hobsbawm, *Primitive Rebels*; S. Cohen, *Bukharin*; A. Gerschenkron, *Bread and Democracy in Germany*; B. Moore, Jr., *Injustice*, chaps. 8-11; A. Gerschenkron, *Economic Backwardness in Historical Perspective*.

**Examination Arrangements:** There is a three-hour formal examination in the Summer Term based on the full syllabus. The paper will consist of approximately twelve questions of which candidates must answer three.

## So6853

**Theories of Political Sociology**

**Teacher Responsible:** Mr. A. W. G. Stewart, Room S876 (Secretary, Mrs. Yvonne Brown, S686)

**Course Intended Primarily for** M.Sc. and other graduate students.

**Scope:** Selected sociological issues in the social distribution of power.

**Syllabus:** Key concepts and major theories of political sociology; major forms of power in modern societies, their social bases and inter-relationships; class, state and gender; political organization as resource and constraint; authority, power and legitimation; problems and possibilities of political representation; the comparative political sociology of capitalist and state socialist societies.

**Teaching Arrangements:** Seminars: So167 Sessional. The course is normally given every other year, alternating with So6852, **Political Stability and Change**. Papers are presented by students and, on occasion, by guest speakers. Students may find it helpful to attend the lecture course So130, **Political Sociology**, which considers a number of issues discussed in the seminar.

**Written Work:** Members of the seminar will be required to present two papers during the course of the session.

**Reading List:** R. Aron, *Main Currents in Sociological Thought*, Vol. I (Section on Marx) and Vol. II (Section on Weber); Isaac Balbus, *Marxism and Domination*; A. Gilbert, *Marx's Politics*; R. Michels, *Political Parties*; R. T. McKenzie, *British Political Parties*; L. Minkin, *The Labour Party Conference*; R. Dahl, *Who Governs? Polyarchy*; R. Bell, D. Edwards and H. Wagner, *Political Power*; Alan Wolfe, *The Limits of Legitimacy*; R. Scase (Ed.), *The State in Western Europe*; S. Bornstein (Ed.), *The State in Capitalist Europe*; Tom Nairn, *The Break-up of Britain*; David Held et al (Eds.), *States and Societies*; E. Nordlinger, *On the Autonomy of the Democratic State*; S. Lukes, *Power*; Sheila Rowbotham, *Women's Consciousness, Man's World*; R. Reiter (Ed.), *Toward an Anthropology of Women* (esp. Gail Reuben, "Traffic in Women"); M. Stacey & M. Price, *Women, Power and Politics*; Elizabeth Wilson, *Women and the Welfare State*; T. Parsons, *Politics and Social Structure*; A. Gramsci, *Prison Notebooks*; A. Showstack Sassoon, *Gramsci's politics*; W. Adamson, *Hegemony and Revolution*; N. Abercrombie, S. Hill & B. Turner, *The Dominant Ideology Thesis*; John Scott, *Corporations, Classes and Capitalism*; F. Parkin, *Marxism and Class Theory*; Barry Smart, *Foucault, Marxism and Critique*; David Held, *Introduction to Critical Theory*;

*Horkeimer to Habermas*; J. Habermas, *Toward a Rational Society, Legitimation Crisis*; T. McCarthy, *The Critical Theory of Jurgen Habermas*; M. Djilas, *The New Class*; D. Lane, *Politics and Society in the USSR*.

**Examination Arrangements:** There is a three-hour formal examination in the Summer Term based on the full syllabus. Candidates will be required to answer three questions.

So6854

### The Political Sociology of Latin America

**Teacher Responsible:** Dr. Ian Roxborough, Room S687 (Secretary, Mrs. Elaine Hartwell, A453, Ext. 454)  
**Course Intended Primarily for** M.Sc. Sociology and M.A. (Area Studies in Latin America).

**Scope:** Aspects of the political sociology of Latin America.

**Syllabus:** Dominant classes, agrarian politics, urban subordinate classes, revolution, populism, democracy and authoritarianism, the military.

**Teaching Arrangements:** Seminars: So170 Sessional. Students will also ordinarily be expected to attend the course "Latin American Development" given at the Institute of Latin American Studies, 31 Tavistock Square.

**Reading List:** F. H. Cardoso & E. Faletto, *Dependency and Development in Latin America*, 1979; I. Roxborough, *Theories of Under-development*, 1979; B. Roberts, *Cities of Peasants*, 1978; C. Waismann, *Modernization and the Working Class*, 1982; P. Evans, *Dependent Development*, 1979; J. Payne, *Labor and Politics in Peru*, 1965; J. Paige, *Agrarian Revolution*, 1975; D. Collier, *The New Authoritarianism in Latin America*, 1979; F. Katz, *The Secret War in Mexico*, 1981; R. Bonachea & M. San Martin, *The Cuban Insurrection*, 1974; J. Malloy, *Bolivia*, 1970; A. Stepan, *The Military in Politics*, 1971; J. Foweraker, *The Struggle for Land*, 1981.

**Supplementary Reading List:** A more detailed reading list is available from Dr. Roxborough or his secretary.

**Examination Arrangements:** A three-hour examination in June. Three questions to be answered.

So6880

### The Sociology of Religion (Undergraduate and Post graduate)

See So5921

So6881

### Sociology of Deviant Behaviour

**Teachers Responsible:** Professor T. Morris, Room S877 (Secretary, Miss J. Johnson, S779, Ext. 788), Dr. P. Rock, Room S875 (Secretary, Mrs. Elaine Hartwell, A453, Ext. 454), Dr. D. Downes, Room A246 (Secretary, Miss R. Mawhood, A255, Ext. 509)

**Course Intended Primarily for** M.Sc. Sociology, M.Sc. Social Psychology, M.Sc. Social Planning.

**Scope:** The analysis of deviance, crime and social control.

**Syllabus:** The course falls into three parts: a systematic introduction to concepts and problems in the sociology

of deviance; chronological review of major theories of deviance and control; a description of empirical examples of deviance.

**Teaching Arrangements:** Seminars: So165 10 Michaelmas, 10 Lent and 3 Summer Term. There is a course of undergraduate lectures (So144) offered in the Michaelmas Term to which M.Sc. students are invited.

**Reading List:** D. Downes, & P. Rock, *Understanding Deviance*, 1982; M. McIntosh, *The Organisation of Crime*, 1975; A. K. Bottomley, *Criminology in Focus*, 1979; T. P. Morris, *Deviance and Control: The Secular Heresy*, 1976; I. Taylor, P. Walton, & J. Young, *The New Criminology*, 1973; P. Rock & M. McIntosh (Eds.), *Deviance and Social Control*, 1974.

**Supplementary Reading List:** A more detailed list is available from Dr. Rock or secretary.

**Examination Arrangements:** three-hour examination in June.

So6960

### Methods of Social Investigation

**Teacher Responsible:** Mr. G. Rose, Room S667 (Secretary, Miss J. Johnson, S779)

**Course Intended Primarily for** Diploma in Sociology.

**Scope:** The aim of the course is to introduce students to basic research methods and statistical techniques used in sociology.

**Syllabus:** The process of social research; techniques of data collection; social surveys; data analysis; descriptive statistics; sampling and sampling distributions; elements of statistical inference; elements of correlation and regression.

**Pre-Requisites:** None.

**Teaching Arrangements:** There is a fortnightly seminar. There are two lecture courses, each accompanied by classes. The programme is as follows: Seminars: So152. **Methods of Social Investigation**. 12 sessional (fortnightly).

Lectures: SA115. **Methods of Social Investigation**. 20 Michaelmas and Lent Terms. SM202. **Statistical Methods for Social Research**. 23 Sessional.

Classes: So103. **Issues and Methods of Social Research**. 24 Sessional (weekly) and 12 Workshop classes Sessional (fortnightly).

SM202. **Statistical Methods for Social Research**. 24 Sessional.

Students should note that the first lecture course above, SA115, does in fact comprise the lectures for course So103. Also, the fortnightly 'workshop classes' for So103 alternate with the seminars So152 to form a weekly series in Michaelmas and Lent Terms. For further details of teaching arrangements, reading lists and written work students should consult the two corresponding study guides:

**Issues and methods of Social Research** (So5801) (corresponding to So103) and **Methods of Statistical Analysis** (SM7215) (corresponding to SM202).

**Written Work:** See the two study guides noted above. The course **Issues and Methods of Social Research** involves participation in a research project and the writing of a report. Candidates for the Diploma in Sociology are required to write this report, but it does not contribute to the final examination.

**Reading List:** See the two study guides noted above.

**Examination Arrangements:** There is a three-hour formal examination in the Summer Term, based on the syllabus for both lecture courses. The paper contains ten questions in all, six in Section A and four in Section B. Four questions are to be answered, two from each section.

So6961

### Sociological Theory

See So5821

So6962

### Comparative Social Structures I

See 5820

So6963

### Comparative Social Structures II

See So5830

So6969

### Comparative European Social Structures

(Not available 1985-86)

**Course Intended Primarily for** M.Sc. European Studies; M.Sc. Government and Politics of Western Europe.

**Scope:** To introduce students to the main characteristics of contemporary western European societies.

**Syllabus:** Occupational structure; industrial relations; welfare state; education systems; family structure; religion; social stratification. Students will be expected to specialise in two of the following: (a) France, (b) W. Germany, (c) Italy, (d) the Nordic countries, (e) the consociational democracies.

**Pre-Requisites:** Some previous experience of sociology would be helpful, but a background in political science, history or economics will also be useful.

**Teaching Arrangements:** Students should attend the seminars organised for the M.Sc. Sociology course, **Social Structure of Industrial Societies** (So162). When these seminars are covering topics and countries not relevant to this course, alternative seminars are organised for CESS students. There are 20-23 seminars *in toto*. Students may also wish to attend the lectures for the B.Sc. sociology course **Comparative Social Structures II** (So5830). Students also attend So172: **Comparative European Social Structures**. 15 lectures Sessional.

**Reading List:** A full bibliography will be circulated at the start of the course.

**Examination Arrangements:** There is a three-hour conventional examination in the Summer Term, in which three questions must be answered.

## STATISTICAL AND MATHEMATICAL SCIENCES

This section is in two parts. The first part lists the lectures and seminars given by the department. The list provides a cross reference to the Study Guide(s) in which the syllabus and the reading list associated with the lecture or seminar can be found. The second part contains the Study Guides, presented in Study Guide number sequence.

### Lectures and Seminars

Lecture/ Seminar Number			Study Guide Number
<b>Mathematics</b>			
SM100	<b>Basic Mathematics</b> Dr. A. J. Ostaszewski	10/ML	Ec1415
SM101	<b>Introduction to Algebra</b> Dr. H. Freedman and Dr. E. M. Boardman	45/MLS	SM7001
SM102	<b>Elementary Mathematical Methods</b> Dr. S. R. Alpern	46/MLS	SM7000
SM103	<b>Introduction to Analysis and Set Theory</b> Dr. A. J. Ostaszewski and Dr. J. L. Bell	45/MLS	SM7002
SM104	<b>Information Seminar</b> Dr. H. Freedman	MLS	
SM111	<b>Further Analysis</b> Dr. E. M. Boardman	25/MLS	SM7030
SM112	<b>Further Algebra</b> Dr. H. Freedman	20/ML	SM7040
SM113	<b>Mathematical Methods</b> Dr. A. J. Ostaszewski	45/MLS	SM7020
SM120	<b>Game Theory I</b> Dr. A. J. Ostaszewski	20/M	SM7025; SM8002
SM121	<b>Game Theory II</b> Dr. A. J. Ostaszewski	25/LS	SM7025; SM8003
SM122	<b>Applied Abstract Analysis</b> (Not available 1984-85) Dr. A. J. Ostaszewski	40/ML	SM7060
SM123	<b>Ideas in Mathematics and Science</b> Dr. J. L. Bell	10/M	SM7024
SM124	<b>Introduction to Topology</b> Dr. S. R. Alpern	24/LS	SM7021
SM125	<b>Convexity and Duality</b> Dr. S. R. Alpern	10/M	SM7021
SM126	<b>Fixed Point Theorems</b> Dr. S. R. Alpern	10/M	SM7021

Lecture/ Seminar Number			Study Guide Number
SM127	<b>Sets and Models</b> Dr. J. L. Bell	40/ML	Ph6203; SM7031
SM128	<b>Axiomatic Set Theory</b> Dr. J. L. Bell	15/LS	Ph6203
SM129	<b>Infinite Abelian Groups</b> (Not available 1985-86) Dr. H. Freedman	10/L	SM7042
SM130	<b>Category Theory</b> Dr. H. Freedman	10/L	SM7041
SM131	<b>Measure, Probability and Integration</b> Dr. E. M. Boardman and Dr. S. R. Alpern	45/MLS	SM7061
SM132	<b>Graph Theory and Combinatorics</b> Dr. A. J. Harris	36/ML	SM7063
<b>Statistics</b>			
SM200	<b>Basic Statistics</b> Professor A. C. Harvey and Dr. C. S. Smith	30/ML	SM7200
SM202	<b>Statistical Methods for Social Research</b> Mr. C. A. O'Muircheartaigh	33/MLS	PS5406; SM7215
SM204	<b>Elementary Statistical Theory</b> Mr. D. W. Balmer and Professor J. Durbin	40/ML	SM7201
SM206	<b>Probability and Distribution Theory</b> Dr. M. Knott and Professor J. Hajnal	33/MLS	SM7220
SM207	<b>Estimation and Tests</b> Professor J. Durbin	12/LS	SM7220
SM210	<b>Analysis of Variance and Quality Control</b> Dr. J. Howard	10/L	SM7230; SM8258
SM211	<b>Time Series and Forecasting</b> Professor A. C. Harvey	10/M	SM7230; SM8253; SM8258
SM212	<b>Applied Regression Analysis</b> Dr. J. Howard	10/L	SM7230; SM8253; SM8258
SM213	<b>Survey Methods</b> Dr. C. M. Phillips	10/M	SM7230; SM8258
SM214	<b>Surveys, Experiments and other Investigations</b> Mrs. K. E. Spitz	11/LS	SM7240; SM8260
SM215	<b>Sample Survey Theory</b> Mrs. K. E. Spitz	15/ML	SM7240; SM8260
SM216	<b>Multivariate Techniques</b> Dr. C. M. Phillips	15/ML	SM7240; SM8260
SM217	<b>Further Statistical Theory and Methods</b> Dr. C. S. Smith	15/ML	SM7240

Lecture/ Seminar Number			Study Guide Number
SM218	<b>Statistical Theory</b> Professor J. Durbin and Dr. M. Knott	45/MLS	SM7241; SM7250
SM219	<b>Elementary Stochastic Processes</b> Professor J. Hajnal	12/ML	SM7241; SM7250
SM220	<b>Applications of Stochastic Processes</b> Professor J. Hajnal	3/L	SM7241
SM221	<b>Actuarial Applications of Stochastic Processes</b> Professor J. Hajnal	5/L	SM7250
SM222	<b>Marketing and Market Research</b> Dr. C. M. Phillips, Mrs. K. E. Spitz and Mr. D. W. Balmer	69/MLS	SM7231
SM230	<b>Introduction to Econometrics and Economic Statistics</b> Dr. C. R. S. Dougherty, Dr. C. M. Phillips and Professor A. C. Harvey	44/MLS	Ec1430
SM232	<b>Econometric Theory</b> Mr. J. E. H. Davidson and Mr. A. C. Harvey	30/ML	Ec1575; Ec2412
SM234	<b>Statistical Sources</b> Dr. C. M. Phillips	10/LS	SM8254; SM8260
SM235	<b>Actuarial Investigations: Financial and Statistical</b> (Not available 1985-86) Mr. L. A. Roberts	44/MLS	SM7260
SM236	<b>Actuarial Life Contingencies</b> Mr. L. A. Roberts	44/MLS	SM7261
SM237	<b>Statistical Packages and Data Analysis</b> Dr. C. S. Smith	29/ML	SM8254
SM238	<b>Fundamentals of Decision Theory</b> Dr. J. Howard	10/L	SM7216; SM8204
SM239	<b>Behavioural Decision Theory</b> Dr. L. D. Phillips	10/M	SM7216; SM8204
SM240	<b>Bayesian Statistical Methods</b> Dr. M. Knott	10/M	SM7216; SM8204
SM241	<b>Decision Analysis in Practice</b> Dr. L. D. Phillips	10/L	SM7216; SM8204
SM250	<b>Stochastic Processes</b> Professor J. Hajnal	40/ML	SM8203
SM254	<b>Multivariate Analysis</b> Dr. M. Knott	20/MLS	SM8257
SM255	<b>Distribution-Free Methods and Robustness</b> Dr. M. Knott	20/ML	SM8256
SM256	<b>Analysis of Categorical Data</b> Dr. C. S. Smith	10/LS	SM8257

Lecture/ Seminar Number			Study Guide Number
SM257	<b>Basic Time Series Analysis</b> Professor J. Durbin and Professor A. C. Harvey	10/M	Ec2561; SM8259
SM258	<b>Further Time Series Analysis</b> Professor J. Durbin	10/L	Ec2561; SM8259
SM259	<b>Applied Multivariate Analysis</b> Professor D. J. Bartholomew	10/L	Ps6498; SM8255
SM260	<b>Models for Social Processes</b> Professor D. J. Bartholomew	20/ML	SM8213
SM262	<b>Further Sample Survey Theory and Methods</b> Mr. C. A. O'Muircheartaigh	15/ML	SM8255
SM263	<b>Experiments in Social Research</b> Mrs. K. E. Spitz	10/L	SM8261
SM264	<b>Survey Design, Execution and Analysis</b> Mr. C. A. O'Muircheartaigh	20/ML	SM8261
SM265	<b>Statistical Aspects of Educational Planning</b> Dr. C. M. Phillips	10/M	SM8214
SM268	<b>Further Statistical Methods</b> Professor D. J. Bartholomew and Professor A. C. Harvey	20/ML	Ps6498
SM271	<b>Joint Statistics Seminars</b> Dr. M. Knott	L	
SM272	<b>Advanced Lectures on Special Topics in Statistics</b> Professor D. J. Bartholomew and Professor J. Durbin	MS	

### Computing and Operational Research

SM300	<b>General Computing I</b> Mr. D. P. Dalby and others	20/ML	SM7301; SM8303; SM8300
SM301	<b>General Computing II</b> Mr. S. Smithson	20/ML	SM7301; SM8303; SM8300
SM302	<b>Introduction to Computing</b> Mr. A. Cornford	20/ML	SM7300
SM303	<b>Fortran Vacation Course</b>		
SM304	<b>Fortran 77</b>	10/M	SM7330
SM305	<b>Pascal Programming</b> Mr. A. Cornford	15/ML	SM7300
SM306	<b>Computing Methods I</b> Mr. A. Cornford and Mr. R. A. Hirschheim	20/ML	SM7320



<i>Lecture/ Seminar Number</i>			<i>Study Guide Number</i>
SM307	<b>Computing Methods II</b> Mr. A. Cornford and Mr. S. Smithson	20/ML	SM7320
SM309	<b>Data Processing Methods</b> Professor F. Land	10/M	SM7322
SM310	<b>Systems Analysis Methodology I</b> Professor F. Land and Mr. R. K. Stamper	20/ML	SM7322
SM311	<b>Computer File Organisation</b> Mr. A. Cornford	5/L	SM7300
SM312	<b>Numerical Methods</b> Dr. J. Sylwestrowicz	20/ML	SM7330
SM313	<b>Elements of Management Mathematics</b> Dr. M. Knott and Dr. S. Powell	33/MLS	SM7340; SM8350
SM314	<b>Operational Research Techniques</b> Dr. J. V. Howard	25/MLS	SM7345
SM315	<b>Mathematical Programming</b> Dr. S. Powell	10/M	SM7345
SM317	<b>Model Building in Operational Research</b> Dr. R. J. Paul, Mr. D. W. Balmer, Professor A. Land and Dr. S. Powell	40/ML	SM7347
SM318	<b>Management Sciences Seminar</b> Dr. R. J. Paul	10/ML	
SM319	<b>First-Year Computing Seminar</b> Professor F. F. Land and Mr. A. Cornford	ML	
SM320	<b>Management Game for Management Sciences</b> Dr. R. J. Paul	10/ML	
SM321	<b>Applications of Computers</b> Mr. A. Cornford and Mr. Smithson	10/M	SM7231; SM8301
SM350	<b>Operational Research Methodology</b> Dr. J. V. Howard	10/L	SM8342; SM8344
SM351	<b>Basic Operational Research Techniques</b> Dr. R. J. Paul	10/M	SM8342; SM8343
SM352	<b>Advanced Operational Research Techniques</b> Dr. R. J. Paul, Dr. J. V. Howard and Mr. D. W. Balmer	20/LS	SM8347
SM353	<b>Basic Mathematical Programming</b> Professor A. Land and Dr. S. Powell	10/M	SM8342; SM8343; SM8354
SM354	<b>Mathematical Programming I</b> Professor A. Land and Dr. S. Powell	15/ML	SM8354
SM355	<b>Mathematical Programming II</b> Professor A. Land and Dr. S. Powell	15/LS	SM8355

<i>Lecture/ Seminar Number</i>			<i>Study Guide Number</i>
SM356	<b>Graph Theory</b> Mr. A. J. Harris	10/M	SM7063; SM8354; SM8356
SM357	<b>Applied Statistical and Forecasting Techniques for O.R.</b> Dr. J. V. Howard	10/M	SM8342; SM8343
SM358	<b>Selected Topics in O.R.</b> Dr. J. V. Howard, Dr. R. J. Paul, Dr. S. Powell and Mr. A. J. Harris	15/ML	SM8342; SM8344
SM359	<b>O.R. Tutorial</b> Dr. R. J. Paul		SM8342; SM8344
SM360	<b>Information Requirements</b> Mr. R. K. Stamper	10/M	SM8304; SM8305
SM361	<b>Information Systems</b> Mr. R. A. Hirschheim	10/M	SM8304
SM362	<b>Information Systems Management</b> Professor F. Land and Mr. R. A. Hirschheim	10/M	SM8300; SM8303; SM8304
SM363	<b>Systems Analysis Methodology II</b> Mr. R. K. Stamper	10/L	SM8304; SM8305
SM364	<b>Computer Systems Design</b> Mr. S. Smithson	10/L	SM8302
SM365	<b>Basic Systems Analysis</b> Professor F. Land	10/M	SM8345; SM8349
SM366	<b>Economics for Operational Research</b> Dr. A. Roell	5/M	SM8345
SM367	<b>Planning and Design Methods</b> (Not available 1985-86)	10/L	Gy2860; SM8357
SM368	<b>Workshop in Simulation and Computer Software</b> Dr. R. J. Paul and Mr. D. W. Balmer	10/M	SM8345; SM8349
SM369	<b>Topics in Systems Analysis - Seminar</b> Mr. R. A. Hirschheim and others	20/ML	SM8302
SM370	<b>Computers in Information Processing Systems</b> Mr. R. A. Hirschheim and Mr. A. Cornford	20/ML	SM8302
SM371	<b>Workshop in Urban and Transport Models</b> Professor A. D. J. Flowerdew and Dr. S. Powell	15/ML	SM8358
SM372	<b>Facility Location</b> (Not available 1985-86)	5/L	SM8357
SM373	<b>Distribution and Scheduling</b> Dr. S. Powell	5/L	SM8356

Lecture/ Seminar Number			Study Guide Number
SM374	<b>Further Simulation</b> Dr. R. J. Paul and Mr. D. W. Balmer	13/LS	SM8348
SM375	<b>Cost-Benefit Analysis</b> Professor A. D. J. Flowerdew	5/L	SM8356; SM8357
SM376	<b>Valuation of Intangibles</b> Professor A. D. J. Flowerdew	5/L	SM8356
SM377	<b>Pascal Programming</b> Miss A. M. McGlone	5/M+ week preceding Michaelmas	SM8343
SM378	<b>Land Use Models</b> (Not available 1985-86)	5/M	SM8357
SM379	<b>Introduction to Operational Research in Transport</b> Dr. S. Powell and Professor A. D. J. Flowerdew	5/M	SM8356
SM380	<b>Aspects of Development Economics</b> Professor A. D. J. Flowerdew	5/L	SM8306
SM381	<b>Applications of New Technology</b> Dr. J. Liebenau and Mrs. M. Hardiman	20/ML	SM8306
SM382	<b>Management and Political Issues</b> Professor F. Land and others	15/ML	SM8306
SM383	<b>Contemporary Urbanisation and the Policy Process</b> (Not available 1985-86)		SM8357
SM384	<b>Seminar for Research Students in Systems Analysis</b> Mr. S. Smithson and others	ML	
SM385	<b>Research Seminar in Systems Analysis</b> Professor F. Land, Mr. T. Cornford and Mr. R. Stamper	10/MLS	
SM386	<b>Combinatorial Optimization</b> Mr. A. J. Harris	30/L	SM8346

**Study Guides****SM303****Fortran 77 Programming (General)**

**Teacher Responsible:** Miss C. R. Hewlett, Room S202  
**Course Intended Primarily for** beginners in FORTRAN 77.

**Teaching Arrangements:** The course consists of the video-taped lectures, "Structured FORTRAN", together with supervised classes and practical sessions. This course will be given twice during the session.

(a) Christmas vacation: five days, 16-20 December 1985.

(b) Easter vacation: five days, 21-25 April 1986.

Anyone wishing to take this course should register with the Computer Service Receptionist (Room S100) by 6 December for Course (a) or by 11 April 1986 for Course (b).

**Recommended Reading:** T. M. R. Ellis, *A Structured Approach to FORTRAN 77 Programming*.

**SM7000****Elementary Mathematical Methods**

**Teacher Responsible:** Dr. S. R. Alpern, Room S465 (Secretary, Mimi Bell, S464)

**Course Intended Primarily for** B.Sc. (Maths./Stats./Comp./Act.Sci.), B.Sc. (Man.Sci.), B.Sc. (Econ.), Dip. Stat., Dip. Econ. and suitably qualified graduate students.

**Scope:** This is a first level "how-to-do-it" course for those who wish to use mathematics seriously in social science.

**Syllabus:** Real and complex numbers. Sets and functions. Differentiation and integration with emphasis on several variables. Elementary optimisation. Simple differential and difference equations. Vectors, matrices and determinants. Eigenvalues and quadratic forms. Vector spaces and linear transformations. Solutions of systems of linear equations.

**Pre-Requisites:** A knowledge of the elementary techniques of mathematics including calculus as covered in a British 'A' level mathematics subject. Students without such a background should first take the paper **Basic Mathematics for Economists** with particular reference to the purely mathematical lectures SM100 **Basic Mathematics** taught in association with this paper.

**Teaching Arrangements:** The lecture course SM102 **Elementary Mathematical Methods**. This lecture course consists of 25 weekly lectures on Calculus given by Dr. Alpern and 20 weekly lectures on **Linear Algebra** given by Dr. S. Alpern. Associated with the lectures are weekly problem classes SM102a given mostly by part-time teachers and graduate students.

**Written Work:** Students will be expected to attempt simple exercises designated in the lectures. Written answers to specified exercises are submitted to the appropriate class teacher for evaluation. Success in this paper depends largely in dealing with this written work in a regular and systematic fashion.

**Reading List:** Students should purchase *Calculus* (C.U.P.) by K. G. Binmore and *Elementary Linear Algebra* by Howard Anton; G. Hadley, *Calculus* by Bers and Karal, *Methods for Economists* by T. Yamane. Some inexpensive supplements are the "Library of Mathematics" books, *Complex Numbers*, *Partial Derivatives* and *Multiple Integrals*. Also the "Schaum Outline" books, *Calculus* by F. Ayres, *Linear Algebra* by Lipschutz and *Mathematics for Economists* by E. Dowling.

**Examination Arrangements:** Students are normally assessed on the basis of a three hour formal examination in the Summer Term.

**SM7001****Introduction to Algebra**

**Teacher Responsible:** Dr. H. Freedman, Room S465 (Secretary, Mimi Bell, S464)

**Course Intended Primarily for** B.Sc. (Maths.) 1st year; B.Sc. (Maths./Stats., Maths./Comp.); B.Sc. (Maths./Phil.); B.Sc. (Econ.) (Maths./Econ.); B.Sc. (Econ.) Part I.

**Scope:** An introduction to the basic structures in algebra and their respective homomorphism.

**Syllabus:** Vector spaces. Linear transformations and matrices. Linear equations. Inner product spaces. Eigenvalues and quadratic forms. Elementary group and ring theory. Euclidean rings.

**Pre-Requisites:** Elementary algebra, for example, the binomial theorem, quadratic equations, complex numbers. The ability to grasp abstract concepts.

**Teaching Arrangements:** 23 lectures (SM101) and 22 classes (SM101a) on **Linear Algebra** (Dr. E. Boardman).

23 lectures and 22 classes on **Abstract Algebra** (Dr. H. Freedman).

**Informal Seminar**, 12 hours (Dr. H. Freedman).

**Written Work:** Lecture notes including exercises are provided. Students are expected to hand in exercises in each subject each week. These are corrected and fully discussed in the respective classes. In addition there is an informal seminar where students are encouraged to give at least one lecture on some subject in algebra. Students are assisted with the preparation of their lectures.

**Reading List:** H. Anton, *Elementary Linear Algebra* (3rd edn.), Wiley; P. M. Cohn, *Algebra*, Vol. 1 (Chaps. 1-9), John Wiley; I. N. Herstein, *Topics in Algebra* (Chaps. 1-3), Blaisdell; R. B. J. T. Allenby, *Rings, Fields and Groups*, E. Arnold; S. Lipschutz, *Theory and Problems of Linear Algebra*, McGraw-Hill; N. Ya Vilenkin, *Stories about Sets*, Academic Press.

**Supplementary Reading List:** N. Jacobson, *Basic Algebra I*, W. H. Freeman; N. H. McCoy & T. R. Berger, *Algebra*, Allyn & Bacon; L. Shapiro, *Introduction to Abstract Algebra*, McGraw-Hill.

**Examination Arrangements:** There is a 3 hour formal examination in the Summer Term, based on the full syllabus for the lecture course. The paper contains 8 questions. Full marks may be obtained on 5 questions.

**SM7002****Introduction to Analysis and Set Theory**

**Teacher Responsible:** Dr. A. Ostaszewski, Room S468 (Secretary, Mimi Bell, S464)

**Course Intended Primarily for** B.Sc. (Maths./Stats./Comp./Act.Sci.), B.Sc. (Econ.) and suitably qualified Diploma students.

**Scope:** The course establishes the fundamental theory on which, among other things, the techniques of calculus are based. The emphasis is on logical proof and careful reasoning.

**Syllabus:** Elementary logic and set theory. Number systems particularly the reals. Convergence and continuity. Differentiation and integration. Analysis in finite dimensional space.

**Pre-Requisites:** A good knowledge of the elementary techniques of calculus as covered in a British 'A' level mathematics subject or in an American freshman calculus course.

**Teaching Arrangements:** The lecture course SM103 **Introduction to Analysis and Set Theory** consisting of two lectures per week (approx. 45 lectures in all) should be attended. In addition a weekly class SM103a is given which is chiefly devoted to going over problems. The class is of fundamental importance.

**Written Work:** Every second week students are required to submit written work to their class teachers who will comment upon this and discuss appropriate issues in the classes. Most students find that it takes some considerable time to learn the art of presenting an argument in a sufficiently careful manner to satisfy their class teacher. In addition students should attempt problems from the first book listed below and may be asked to present answers to these problems verbally during their classes.

**Reading List:** Students should purchase *Mathematical Analysis: A Straightforward Approach* and *Foundations of Analysis: A Straightforward Introduction*, Vol. 1 (*Logic, Sets and Numbers*) both by K. G. Binmore published by C.U.P. (The second of these is not required until the Lent Term.) Students may also wish to consult Vol. 2 (*Topological Ideas*) of the second book mentioned above, *A First Course in Mathematical Analysis* by C. Burkhill (C.U.P.) and *Mathematical Analysis* by D. A. Quadling (O.U.P.). Also *Numbers and Infinity* by E. Sondheim and A. Rogerson, *Stories about Sets* by N. Ya Vilenkin.

**Examination Arrangements:** Students are normally assessed on the basis of a three hour formal examination in the Summer Term.

**SM7020****Mathematical Methods**

**Teacher Responsible:** Dr. A. Ostaszewski, Room S461 (Secretary, Mimi Bell, S464)

**Course Intended Primarily for** B.Sc. (Econ.) Part II under the following special subjects: II Mathematical Economics & Econometrics 5(b)

V International Trade & Development 7(p)

XI Statistics 1

XII Computing 5(e)

B.Sc. by Course Unit (Unit 550/7020) (Maths./Stats./Comp./ActuarialSci./Management Science/Mathematics & Philosophy) 2nd or 3rd year.

Diploma in Econometrics 4(b)

Diploma in Statistics (c) (ii)

Diploma in OR 3 & 4 (b) (ii)

Diploma in Management Sciences IV(c)

M.Sc. preliminary year.

**Scope:** To develop the ideas and results first presented in **Elementary Mathematical Methods**. On the calculus side the course studies how integrals may be numerically calculated, or transformed by a variety of manipulations, and how they may be applied systematically to the solutions of differential equations. On the algebra side geometric insights are used as a unifying framework for such diverse problems as reduction of (possibly non-square) matrices to simpler form, fitting a line through non-collinear points solving both linear and non-linear programmes, solving a two person zero-sum game.

**Syllabus:**

(i) Integration and Transforms. Riemann-Stieltjes integral, manipulation of integrals. Multiple integrals. Convolutions. Laplace Transforms.

(ii) Matrix Analysis. Vector Spaces (revision). Wronskian. Geometry in  $R_n$  (orthogonality, Gram-Schmidt, conjugate directions). Rank of matrices. Spectral Theory. Positive definiteness. Upper triangular and blockdiagonal form. Tridiagonal form (Householder's method). Projections and least squares. Generalized inverses.

(iii) Convexity and Programming. Convexity. Separating hyperplane. Linear inequalities. Linear programming. Zero-sum games. Simplex method. Concave functions. Kuhn-Tucker theorem.

(iv) Differential Equations. Linear ordinary differential equations. Solution by series expansion (power series, Fourier series).

(v) Calculus of Variations. (Introductory treatment.)

**Pre-Requisites:** Ideally the course **Elementary Mathematical Methods**. Alternatively (a) a course in linear algebra so that notions like linear independence, eigenvalue, diagonalisation are already familiar, and (b) an intermediate course of calculus giving proficiency in routine differentiation and integration of say rational functions and trigonometric functions.

**Teaching Arrangements:** One lecture course accompanied by classes. (SM113)

Lectures: SM113 - 45 two one-hour meetings per week Michaelmas and Lent Terms with about 5 hours overflow into Summer Term condensed by mutual arrangement into two weeks.

Classes: SM113(a) 25 Sessional.

Very full lecture notes are distributed in advance and contain a very full assortment of problems. No course book is necessary but alternative accounts are always worth consulting (as below). Class teachers are all part-time. They assign a selection of the problems already mentioned for homework which must be done (or attempted at the very least) and handed in for marking. Model answers are available but will be distributed only selectively.

**Reading List:** Recommended reading (i) M. R. Spiegel, *Advanced Calculus*; M. R. Spiegel, *Laplace*

*Transforms*; (ii) and (iii) B. Noble, *Applied Linear Algebra*; R. Bellman, *Matrix Analysis*; (iv) and (v) L. Elsgolts, *Differential Equations and Calculus of Variations*; E. L. Ince, *Differential Equations*.

**Examination Arrangements:** There is a three-hour formal examination in the Summer Term. A revision guide will be issued at the end of Lent Term detailing: the structure of the paper, what subject matter may safely be omitted and which areas to concentrate on.

**SM7021****Topology & Convexity**

**Teachers Responsible:** Dr. S. Alpern, Room S485 and Dr. J. Bell, Room S467 (Secretary, Mimi Bell, S464)

**Course Intended Primarily for** second or third year B.Sc. mathematics, usually audited by postgraduate Economists.

**Scope:** The aim of the course is to introduce the student to abstract techniques of Analysis. These techniques are useful in many fields of pure and applied mathematics and particularly in theoretical mathematical economics.

**Syllabus:**

(i) 10 lectures in the first half of the Michaelmas Term cover the Fixed Point Theorems of Banach, Brouwer, Schauder and Kakutani.

(ii) The next 10 lectures present a brief introduction to "convex analysis" and the Duality Theorem of Linear Programming. We do not cover computational methods for solving Linear Programs in this course.

(iii) In the Lent Term there are 20 lectures which introduce "point-set" topology.

Topological Spaces are defined and properties such as connectedness, completeness and compactness are discussed. Examples and techniques of proving topological theorems are emphasised.

(iv) There will be four lectures in the Lent Term covering applications to game theory and economics.

**Pre-Requisites:** A basic knowledge of Analysis (continuity, differentiation, topology of Euclidean space) and in particular techniques for formal proofs is required for parts (i) and (ii) of the syllabus. This knowledge is normally obtained in the course **Introduction to Analysis and Set Theory**. The third part of the course (iii) **Convexity and Duality** requires an elementary knowledge of Linear Algebra or Matrix Algebra, to the extent of understanding the nature of solutions to a system of linear equations.

**Teaching Arrangements:** There are two lectures (SM124; SM125; SM126) and one class (SM124a) each week. The class is devoted mainly to discussing assigned work.

**Written Work:** Students are expected to submit written solutions to some of the problems assigned for the classes.

**Reading List:** S. Lipshutz, *General Topology*; Hocking & Young, *Topology*; J. Franklin, *Methods of Mathematical Economics*; D. Smart, *Fixed Point Theorems*.

**Examination Arrangements:** There is a single three-hour formal examination in the Summer Term.

**SM7024****Ideas in Mathematics and Science**

**Teacher Responsible:** Dr. J. L. Bell, Room S467 (Secretary, Mimi Bell, S464) and Dr. E. G. Zahar, Room A210 (Secretary, A214)

**Course Intended Primarily for** B.Sc. (Econ.) Part II; B.Sc. c.u. main fields Maths., Stats., Comp. 2nd or 3rd year, Maths. and Phil. 2nd or 3rd year; M.Sc. Logic and Scientific Method; M.Sc. Social Philosophy; Dip. Logic and Scientific Method; Dip. Social Philosophy.

**Scope:** The aim of the course is to survey, at an elementary level, some of the major historical developments in mathematics and physics.

**Syllabus:** Mathematics: Concepts of Greek mathematics: Eudoxan theory of proportions; concept of the continuum; Zeno's paradoxes. The three ancient problems and their resolution in the 19th century: trisection of the angle, doubling the cube, squaring the circle. Euclidean and non-Euclidean geometry. Paradoxes of the infinite and the consistency of mathematics.

Physics (1) The Scientific Revolution which started with Copernicus and culminated with Galileo, Kepler, Descartes and Newton.

(2) A brief account of the discovery of the Calculus.  
(3) The philosophical aftermath of the emergence of Newtonian science, in particular Kant's, Mach's and Poincaré's respective appraisals of Newtonian dynamics.

**Pre-Requisites:** A-level Mathematics (acquaintance with the differential calculus).

**Teaching Arrangements:** There are 2 lecture courses (SM123; Ph109), each accompanied by a class (SM109a), as follows:

Lectures: **Ideas in Mathematics and Science**, and **The Rise of Modern Science, Copernicus to Newton**.

**Written Work:** The material covered in the lectures is discussed in the classes. Students are required to write substantial essays on a mathematical and on a physical topic chosen by themselves.

**Reading List:** For Mathematics: E. T. Bell, *The Development of Mathematics*; H. Eves, *An Introduction to the History of Mathematics*. For Physics: E. Mach, *The Science of Mechanics*; A. Einstein & L. Infeld, *The Evolution of Physics*; A. Einstein, *Relativity: a Popular Approach*; M. Born, *Einstein's Theory of Relativity*; G. Holton & D. H. D. Roller, *Foundations of Modern Physical Science*.

**Supplementary Reading List:** S. Goldstein, *Classical Mechanics*.

**Examination Arrangements:** There is a 3-hour formal examination based on both lecture courses. The paper contains approximately 15 questions in the form of essay topics, of which 3 are to be answered.

**SM7025****Game Theory**

**Teacher Responsible:** Dr. A. Ostaszewski, Room S468 (Secretary, Mimi Bell, S464)

**Course Intended Primarily for** B.Sc. (Maths./Stats./Comp./Act.Sci.), B.Sc. (Econ.), M.Sc. (Maths.), M.Sc. (Operational Research), M.Sc. (Econ.), M.Sc. (Math.

Econ. and Econometrics) and other suitably qualified graduate or General Course students.

**Scope:** The theory of games and its applications in economics.

**Syllabus:** Von Neumann and Morgenstern utility theory. Formal games and their classification. Strictly competitive (zero-sum) games. Poker and bluffing. Non-cooperative games. Nash equilibrium. Games with incomplete information. Cooperative games. Survey of cooperative solution concepts including the core, Von Neumann and Morgenstern solutions sets, Aumann and Maschler bargaining sets, Nash bargaining solutions and the Shapley Value. The Nash program and non-cooperative bargaining models. Market games and the application of game-theoretic ideas to problems in the economic theories of externalities, oligopoly and resource allocation under differential information. (Students will not be required to prepare for the whole of this syllabus. Mathematically trained students will be expected to omit the more advanced economic material and Economic students will be expected to omit the more advanced mathematical material.)

**Pre-Requisites:** A knowledge of mathematics beyond that covered in **Elementary Mathematical Methods** (SM102) possibly including **Introduction to Analysis and Set Theory** (SM103) and/or **Mathematical Methods** (SM113). For the more advanced economics material, a knowledge of economics as covered in **Ec113 Principles of Economics Treated Mathematically**. For the more advanced mathematics material SM124 **Introduction to Topology** and SM126 **Fixed Point Theorems** will be useful but not essential. More important than a knowledge of specific techniques is the habit of thinking in the careful way required in mathematics and economic theory. Undergraduates are advised to take the course in their third year rather than their second year.

**Teaching Arrangements:** The lecture course SM120 **Games** consisting of two lectures a week in the Michaelmas Term (and one lecture a week thereafter). The lecture course Ec151 **Economic Applications of Game Theory** consisting of one lecture a week in the Lent Term. Also twenty-five problem classes SM120a are given throughout the year. The classes are organised by **Dr. A. Ostaszewski**. Attendance for at least 55 hours will be expected.

**Written Work:** Lecture notes containing problems are supplied. Written answers will be expected by the class teacher on a regular basis and the problems will be discussed in the class.

**Reading List:** This subject is currently under development and completely adequate books are not available. *Game Theory* by G. Owen (2nd edn.) should be purchased or *Game Theory* by T. Jones (although this is only sound on zero-sum games). Some further references are *Games and Decision* by Luce & Raiffa, *The Theory of Games and Economic Behaviour* by Von Neumann & Morgenstern, *Two-Person Game Theory* by Rappaport, *Economics and the Theory of Games* by Bacharach, *Rational Behaviour and Bargaining Equilibrium in Games and Social Situations* by Harsanyi, *The Compleat Strategist* by Williams, *The Strategy of Conflict* by Schelling.

**Examination Arrangements:** Students are normally assessed on the basis of a three-hour formal examination in the Summer Term. The examination will contain a general section, a more mathematical section and a more economical section. Students will be required to answer questions from two of these three sections.

**SM7030****Further Analysis**

**Teacher Responsible:** Dr. E. Boardman, Room S486 (Secretary, Mimi Bell, S464)

**Course Intended Primarily for** B.Sc. (Maths./Stats./Comp./Act.Sci.); B.Sc. (Econ.) and suitably qualified graduate students.

**Scope:** This is a second level theoretical course in analysis. The aim is to consolidate and extend the students' knowledge of real analysis via a discussion of topological ideas in a concrete setting and to introduce the basic notions of complex analysis.

**Syllabus:** Real analysis and topology in metric spaces including finite dimensional Euclidean space. Complex analysis including the Residue Theorem and elementary mapping ideas.

**Pre-Requisites:** Students should have previously attended SM103 **Introduction to Analysis and Set Theory** or the equivalent. (For an American student an equivalent background would involve at least one course in formal real analysis together with several supplementary courses in mathematics.) Simultaneous attendance at the course SM124 **Introduction to Topology** is helpful but not necessary.

**Teaching Arrangements:** The lecture course SM111 **Further Analysis** consisting of some 25 lectures taught in the Michaelmas and Lent Terms by **Dr. Boardman** associated with which are the weekly problem classes SM111a also conducted by **Dr. Boardman**. Also the lecture course M204 **Functions of a Complex Variable** taught by **Dr. William Harvey** at King's College. The latter course consists of three hours per week beginning in the 2nd or 3rd week of the Lent Term and extending into the Summer Term.

**Written Work:** Written answers to set problems will be expected on a regular basis by **Dr. Boardman** and **Dr. Harvey**. Students may also be asked to answer problems from the recommended textbook verbally in the classes. Written work is of particular importance in this course.

**Reading List:** *Foundations of Analysis: A Straightforward Introduction, Vol. II (Topological Ideas)* by K. G. Binmore contains most of the material to be covered in SM111 (though not necessarily in the same order). *Complex Analysis* by Joseph Black & Donald J. Newman covers the material taught in M204.

**Alternatives and Further Reading:** For SM111: *Mathematical Analysis 2* by J. C. Burkill and H. Burkill, *Introduction to Topology and Modern Analysis* by G. F. Simmons, *The Theory and Problems of General Topology* by S. Lipschutz ("Schaum's Outline" Series). All these contain topics outside the scope of SM111, the nearest book to the material covered is K. G. Binmore mentioned above. For M204: *Theory and Problems of Complex Variables* by M. R.

**Teaching Arrangements:**

20 lectures and 20 seminars (Michaelmas and Lent Terms) (SM112)

14 classes (Michaelmas and Summer Term) (SM112a)

**Written Work:** Weekly exercises during the Michaelmas and Summer Terms. The Lent Term is devoted to seminars given by students on their projects. Written reports on the projects are handed in early in the Summer Term.

**Reading List:** M. F. Atiyah & I. G. Macdonald, *Introduction to Commutative Algebra*, Addison-Wesley; S. MacLane & G. Birkhoff, *Algebra* (Chapters 4, 6 and 10), Macmillan Co.; N. Jacobson, *Basic Algebra II* (Chapter 3), Freeman.

**Supplementary Reading List:** D. W. Sharpe & P. Vámos, *Injective Modules*, Cambridge University Press.

**Examination Arrangements:** There is a three-hour formal examination in the Summer Term. The paper contains 7 questions. Full marks may be obtained on 4 questions. 60% of the total assessment of the course is based on the exam paper. 40% is awarded on the project, for which both the written report and the lecture are taken into consideration.

**SM7041****Category Theory**

**Teacher Responsible:** Dr. H. Freedman, Room S465 (Secretary, Mimi Bell, S464)

**Course Intended Primarily for** B.Sc. (Maths.) 3rd year; B.Sc. (Maths./Stats., Maths./Comp.) 3rd year; B.Sc. (Maths./Phil.) 3rd year; M.Sc. (Maths.)

**Scope:** The aim of the course is to introduce students to the theory of categories, emphasizing ideas and methods which can also be used in other fields of Mathematics.

**Syllabus:** Functors and natural transformations; Limits and colimits; Adjoints; Completion; Abelian and algebraic categories.

**Pre-Requisites:** Acquaintance with sets, groups, rings and modules. Mathematical maturity.

**Teaching Arrangements:** 20 lectures (SM130) and 20 classes (SM130a) during the Lent Term.

**Written Work:** During the Michaelmas Term each student has to prepare, under supervision, a project, lecture on it to the class in the Lent Term and hand in a written report early in the Summer Term. In addition there are weekly exercises during the Lent Term.

**Reading List:** S. MacLane, *Categories for the Working Mathematician*, Springer; M. A. Arbib & E. G. Manes, *Arrow, Structures and Functions* (Chapter 10), Academic Press.

**Supplementary Reading List:** B. Pareigis, *Categories and Functors*, Academic Press.

**Examination Arrangements:** There is a three-hour formal examination in the Summer Term. The paper contains 7 questions. Full marks may be obtained on 4 questions.

60% of the total assessment of the course is based on the exam paper.

40% is awarded on the project, for which both the written report and the lecture are taken into consideration.

Spiegel ("Schaum's Outline" Series), *Complex Analysis* by L. V. Ahlfors, *Introduction to Complex Analysis* by R. Nevanlinna and V. Paatero, *Basic Complex Analysis* by J. E. Marsden.

**Examination Arrangements:** Students are normally assessed on the basis of a three hour formal examination in the Summer Term.

**SM7031****Sets and Models**

**Teacher Responsible:** Dr. J. Bell, Room S467 (Secretary, Mimi Bell, S464)

**Course Intended Primarily for** B.Sc. (Maths./Stats./Comp.) 2nd or 3rd year; B.Sc. (Maths./Phil.) 2nd or 3rd year; Dip. Logic and Sci. Method; M.Sc. Logic and Sci. Method.

**Scope:** The aim of this course is to provide an introduction to set theory and the model theory of first-order languages.

**Syllabus:** Axiomatic approach to set theory. Sets and classes. Well-orderings. Cardinals and ordinals. The axiom of choice and Zorn's lemma.

First-order languages and their models. Completeness, compactness and Lowenheim-Skolem theorems. The elementary chain theorem and some of its consequences: Craig's interpolation lemma and Beth's definability theorem.

**Pre-Requisites:** A basic acquaintance with predicate calculus, as provided in the course Ph114: **Introduction to Mathematical Logic**.

**Teaching Arrangements:** 20 lectures on set theory in the first term, 20 lectures on model theory in the second term (SM127). (Full lecture notes provided.) 20 problem classes (SM127a) over the 2 terms.

**Reading List:** J. Bell & M. Machover, *A Course in Mathematical Logic*; J. Bridge, *Beginning Model Theory*; K. Kuratowski & A. Mosstowski, *Set Theory*; E. Mendelson, *Introduction to Mathematical Logic*.

**Examination Arrangements:** There is a 3 hour formal examination in the Summer Term, based on the full syllabus for the lecture course. The paper contains 10 questions divided into 2 sections (set theory, model theory respectively). Full marks may be obtained on 5 questions of which at least one must come from each section.

**SM7040****Further Algebra**

**Teacher Responsible:** Dr. H. Freedman, Room S465 (Secretary, Mimi Bell, S464)

**Course Intended Primarily for** B.Sc. (Maths.); B.Sc. (Maths./Stats., Maths./Comp.); B.Sc. (Maths./Phil.).

**Scope:** The aim of this course is to introduce students to the theory of modules, in particular, modules over a principal ideal domain.

**Syllabus:** Topics in commutative rings; Modules; Projective and injective modules; Modules over a principal ideal domain.

**Pre-Requisites:** The rudiments of group and ring theory as presented in the course **Introduction to Algebra**.

**SM7042**

**Infinite Abelian Groups**

(Not available 1985-86)

**Teacher Responsible:** Dr. H. Freedman, Room S465 (Secretary, Mimi Bell, S484)

**Course Intended Primarily for** B.Sc. (Maths.) 3rd year; B.Sc. (Maths./Stats., Maths./Comp.) 3rd year; B.Sc. (Maths./Phil.) 3rd year.

**Scope:** The aim of the course is to introduce students to the theory of infinite abelian groups and to help them acquire some of the techniques used in modern infinite algebra.

**Syllabus:** Direct sums of cyclic groups. Divisible and free Abelian groups. Pure subgroups. Basic subgroups. Ulm's theorem.

**Pre-Requisites:** The rudiments of group theory as presented in the course **Introduction to Algebra**.

**Teaching Arrangements:** 20 lectures (SM129) (about 75% of them given by students) and 20 classes SM129(a).

**Written Work:** During the Michaelmas Term each student has to prepare, under supervision, a project, lecture on it to the class in the Lent Term, and hand in a written report early in the Summer Term. Each student also has to give further lectures covering part of the course (usually the one related to his or her project), and hand in weekly exercises.

**Reading List:** L. Fuchs, *Infinite Abelian Groups I*, Academic Press; I. Kaplansky, *Infinite Abelian Groups*, Ann Arbor, Michigan Univ. Press.

A selection of papers specified during the course.

**Supplementary Reading List:** P. A. Griffith, *Infinite Abelian Group Theory*, Univ. Chicago Press.

**Examination Arrangements:** There is a three-hour formal examination in the Summer Term. The paper contains 7 questions. Full marks may be obtained on 4 questions.

60% of the total assessment of the course is based on the exam paper.

40% is awarded on the project for which the written report and the lecture are taken into consideration.

**SM7060  
SM8001**

**Applied Abstract Analysis**

(Not available 1985-86)

**Teacher Responsible:** Dr. A. Ostaszewski, Room S468 (Secretary, Mimi Bell, S464)

**Course Intended Primarily for** M.Sc. prelim. and final year. Available for suitable candidates for B.Sc. (Econ.) Part II. B.Sc. Course Unit (Maths./Stats./Comp./Actuarial Science/Management Science/Maths. and Phil.) 3rd year only.

**Scope:** To present a self-contained rigorous treatment of differentiation in infinite dimensional spaces (e.g. spaces consisting of functions) which establishes the calculus of variations as a tool for solving optimisation problems of a non-linear nature (such as finding the shortest path between two points on a given surface). A field of applications is then studied either using this tool or the whole framework of functional analysis.

**Syllabus:** Selected topics from the following:

(i) Function Analysis and Optimization. (Banach spaces, Hahn-Banach Theorem, Operator Derivatives, Abstract Lagrange Multipliers).

(ii) Control Theory. (Calculus of Variations, Pontryagin Theory, Linear Systems, Feedback Control, Stability).

(iii) Continuum Economics. (Lebesgue measure of coalition, mean demand, equivalence theorem, limit theorems.)

(iv) Special topic to be announced.

**Pre-Requisites:** Ideally though not necessarily a second course in Analysis. However, a rigorous first course in **Analysis and Set Theory** which considers metric spaces and topological spaces on an introductory level will suffice, provided that the student is well versed in so-called "epsilon and delta" arguments and accustomed to "abstract notions".

**Teaching Arrangements:** One lecture course (SM122) accompanied by classes.

Lectures: SM122 Two one-hour sessions Michaelmas and Lent Terms.

Classes: One hour Michaelmas and Lent Terms (SM122a)

Classes are taken by Dr. Ostaszewski. Very full notes are provided with appropriate problem sheets. Model answer may be provided as necessary. No course book is required but it is advisable to look at alternative accounts (as below).

**Reading List:** D. G. Luenberger, *Optimization by Vector Space Methods* (Wiley, 1969). Appropriate to the first part of the course. D. L. Russell, *Mathematics of Finite Dimensional Control Systems*.

An excellent text for linear control theory. W. Hildenbrand, *Core and Equilibrium of a Large Economy* (Princeton, 1974) is the source text for the applications in mathematical Economics.

**Supplementary Reading Lists are distributed.**

**Examination Arrangements:** There is a formal examination in the Summer Term which consists of two sections A and B. Section A usually contains eight questions, Section B only three. M.Sc. students taking only the first semester of the course are given two hours in which to answer any number of questions from section A; full marks may be obtained on about three-and-a-half questions. M.Sc. students taking the full course are given three hours and must answer at least one question from each section; full marks in this case may be obtained on about five questions. For B.Sc. students, the marking is more lenient and questions may be answered from Sections A and B at will. The time given is three hours and full marks are obtainable on about four questions.

Revision guides will be distributed at the end of Lent Term and will contain information about: the structure of the paper, details of non-examinable material, suggestions on areas on which to concentrate revision. Revision classes will be arranged on request in the Summer Term.

**SM7061**

**Measure Theory, Probability and Integration**

**Teacher Responsible:** Dr. E. Boardman, Room S486 and Dr. S. Alpern, Room S485 (Secretary, Mimi Bell, S464)

**Course Intended Primarily for** B.Sc. (Maths./Stats./Comp./Act. Sci.), B.Sc. (Econ.) and suitably qualified graduate students.

**Scope:** This is a third level theoretical course in Mathematics. The aim is to teach Measure Theory and Integration and to introduce the basic notions of Probability using the tools of Measure Theory.

**Syllabus:** Measure Theory and integration. Probability spaces, random variables, distribution functions and characteristic functions. Sums of random variables. Independence. Conditional probabilities and conditional expectations. Modes of convergence of sequences of random variables. Laws of large numbers and central limit theorem. Skorohod's representation theorem. Empirical distribution function and Glivenko-Cantelli theorem. Martingales. Martingale convergence theorem. Applications.

**Pre-Requisites:** Normally students would be expected to have previously attended SM7030.

**Further Analysis:** The course presupposes at least one course in formal real analysis, together with some elementary set theory and a knowledge of the topological properties of  $\mathbb{R}^n$ . Students who have not taken Further Analysis should consult the teacher responsible about the suitability of their mathematical background.

**Teaching Arrangements:** The lecture course SM131 **Measure Theory and Probability** consisting of some 45 lectures, sessional, associated with which are the weekly problem classes SM131a. Written answers to set problems will be expected on a regular basis. Written work is of particular importance in this course.

**Written Work:** See above paragraph.

**Reading List:** G. R. Grimmett & D. R. Stirzaker, *Probability and Random Processes*; P. Billingsley, *Probability and Measure*; L. Brieman, *Probability*; H. L. Royden, *Real Analysis*; J. F. C. Kingman & S. J. Taylor, *Introduction to Measure and Probability*; P. R. Halmos, *Measure Theory*; W. Feller, *An Introduction to Probability Theory and its Applications*, Vols. 1 & 2; H. Tucker, *A Graduate Course in Probability*.

**Examination Arrangements:** There is a three-hour written formal examination in the Summer Term.

**SM7063**

**Graphs and Combinatorics**

**Teacher Responsible:** Andrew Harris, Room S106a (Secretary Hazel Rice, S108)

**Course Intended Primarily for** B.Sc. (Maths./Stats./Comp./Act. Sci.), B.Sc. (Econ.), suitably qualified diploma and General Course students.

**Scope:** This is a course in finite mathematics concentrating on the theory of networks (i.e. graphs) and certain topics in the theory of algorithms (i.e. combinatorial optimization).

**Syllabus:** Fundamentals of graph theory; paths, circuits, cycles, trees. Planarity, directed graphs,

maximum-minimum problems in networks, connectivity, colouring, Ramsey theory, extremal problems, shortest path algorithms, bipartite and non-bipartite matching, introduction to matroids, the greedy algorithm.

**Pre-Requisites:** Some experience of mathematical reasoning and a knowledge of some techniques from **Elementary Mathematical Methods** (SM102).

**Teaching Arrangements:** The course will consist of two lectures (SM132) and (SM356) and one problem class (SM132a) throughout the Michaelmas and Lent Terms. In the Michaelmas Term the course will concentrate on graph theory, and in the Lent Term will move into **Combinatorial Optimization** (SM386), i.e. shortest path algorithms, matchings and matroids.

**Written Work:** Lecture notes containing problems are supplied. Written answers will be expected by the lecturer on a regular basis, and the problems will be discussed in the problem class.

**Reading List:** This subject is currently under development and so a definitive text is not available. As preliminary reading for the first part of the course, Chapters 1-5 of B. Bollobas's book *Graph Theory; An Introductory Course* (Springer, 1979) will prove useful reference material, though R. Wilson's book *Introduction to Graph Theory* (Oliver and Boyd, 1977) will be easier reading material to get an idea of the subject.

Other possible reading material is *Graphs and Networks: An Introduction* by W. L. Price, *Graph Theory* by F. Harary, *The Theory of Graphs and its Applications* by C. Berge, *Graph Theory: An Algorithmic Approach* by N. Christophides, *Graph Theory and its Applications* by Bondy and Murty, and the *Open University Handbooks*, TM361, numbers 1 to 4. For the second part of the course, the two main reference books will be *Combinatorial Optimization* by E. Lawler, and *Combinatorial Optimization* by C. H. Papadimitriou and K. Steiglitz (Prentice Hall, 1982).

**Examination Arrangements:** Students are assessed on the basis of a three-hour formal examination in the Summer Term.

**SM7200**

**Basic Statistics**

**Teachers Responsible:** Dr. C. Smith, Room S212 and Professor A. Harvey, Room S203 (Secretary, Mary Cahill, S206)

**Course Intended Primarily for** 1st year B.Sc. (Economics) and Course Unit Students.

Diploma in Accounting and Finance

Diploma in Business Studies

Diploma in Economics

Diploma in Management Sciences

**Scope:** The course is an introduction to statistical methods and their use in the social sciences.

**Syllabus:** Descriptive statistics, elements of probability, special distributions, inference, analysis of variance, correlation and regression, goodness of fit, decision theory and survey sampling.

**Pre-Requisites:** A Pass in O-level Mathematics is normally required. The course is not suitable for those who have taken A-level Mathematics. Such students should take SM7201, **Elementary Statistical Theory**.



SM239 **Behavioural Decision Theory.** (Staff of the Decision Analysis Unit.) An exposition of descriptive models of human decision making, with an emphasis on the relationship between descriptive and normative theories.

SM240 **Bayesian Statistical Methods (Dr. M. Knott).** General discussion of the Bayes' approach and comparison with other approaches to statistical inference. Applications to some basic statistical problems.

SM241 **Decision Analysis in Practice.** (Staff of the Decision Analysis Unit.) Presents applications of Decision Theory in both public and private sectors, illustrating how Decision Theory is modified and supplemented to provide a workable technology.

**Reading List:** Recommended books will be given at the beginning of each lecture course.

**Examination Arrangements:** The course is examined by one three-hour formal examination in the Summer Term, covering the full syllabus for the four lecture courses. The paper will probably contain eight questions of which five must be attempted. It is important to attempt five questions: only the best five answers will be counted, and one fifth of the marks is available for each of these five attempts. On the other hand, it is not necessary to answer fully all parts of a question to obtain a reasonable mark on it.

### SM7220

#### Probability, Distribution Theory and Inference

**Teacher Responsible:** Professor J. Hajnal, Room S116 (Secretary, Anne Usher, S205)

**Course Intended Primarily for** B.Sc. (Econ.) Special subjects: Econometrics and Mathematical Economics, Statistics; B.Sc. Course Unit Main Fields Maths., Stats., Act. Sci.

**Scope:** The course is intended to cover the probability, distribution theory and statistical inference needed for the third year courses in statistics and econometrics given at the School.

**Syllabus:** Revision of basic probability theory and of the basic discrete and continuous one variable distributions. Joint distribution of several variables. Marginal and conditional densities. Multinomial and bivariate normal distributions. Moment generating functions. Functions of random variables. Change of variable. Weak law of large numbers and central limit theorem. Sampling distributions. Criteria of estimation: consistency, unbiasedness, efficiency, minimum variance. Sufficiency. Maximum likelihood estimation and its properties. Confidence intervals. Tests of simple hypotheses. Likelihood ratio tests.

**Pre-Requisites:** The course is designed to follow on from **Elementary Statistical Theory**. It is normally attended by second year students who have taken **Elementary Mathematical Methods** as well as **Elementary Statistical Theory** in the first year. Any student who has not taken these two first year courses is advised to consult one of the teachers responsible for the course.

**Teaching Arrangements:** There are two lecture courses each accompanied by classes for which the students are

divided into two groups. Exercises will be set in connection with these classes and students' answers will be marked.

Lectures: SM206 **Probability and Distribution Theory**, 20 Michaelmas, 10 Lent, 3 Summer Term.

SM207 **Estimation and Tests**, 10 Lent, 2 Summer Term.

Classes: SM206(a) 9 Michaelmas, 5 Lent, 2 Summer Term.

SM207(a) 4 Lent, 1 Summer Term.

**Reading List:** The main reference for the course is: A. M. Mood, F. A. Graybill & D. C. Boes, *Introduction to the Theory of Statistics* (3rd edn.).

Other useful books are:

R. V. Hogg & A. T. Craig, *Introduction to Mathematical Statistics* (3rd edn.); P. L. Meyer, *Introductory Probability and Statistical Applications*; B. W. Lindgren, *Statistical Theory* (3rd edn.); M. Woodroffe, *Probability with Applications*; H. J. Larson, *Introduction to Probability Theory and Statistical Inference* (3rd edn.)

**Examination Arrangements:** One three-hour written examination in the Summer Term. Five questions have to be answered out of the ten set. (Seven questions are set on the material of course SM206, three on SM207).

### SM7230

#### Statistical Techniques for Management Sciences

**Teacher Responsible:** Dr. J. V. Howard Room S209 (Secretary, Hazel Rice, S108)

**Course Intended Primarily for** B.Sc. (Management Sciences) 2nd or 3rd year B.Sc. (Maths./Stats./Comp./Actuarial Science) 2nd or 3rd year

B.Sc. (Economics) XII Computing Diploma in Management Sciences

For course unit degrees, the Course Registration Number is 790/7230.

**Scope:** This is a second course in Statistics, emphasizing the application of statistical techniques which have proved useful in the Management Sciences.

**Syllabus:** Analysis of Variance, Regression, Time Series and Forecasting, Survey Methods, Quality Control. More detail is given in the lecture course descriptions under "Teaching Arrangements" below.

**Pre-Requisites:** Statistics and Probability Theory to the level of the course **Elementary Statistical Theory**. Mathematics to the level of **Elementary Mathematical Methods**. In particular, students should have covered elementary distribution theory, confidence intervals and hypothesis testing, and basic linear algebra. It is NOT necessary to have any previous experience of computers, but students will be expected to use the MINITAB computer package to carry out the calculations necessary to do the course exercises.

**Teaching Arrangements:** There are four lecture courses, each accompanied by a class, as follows:

Lectures: SM210 **Analysis of Variance and Quality Control** 10 Michaelmas Term

SM211 **Time Series and Forecasting** 10 Michaelmas Term

SM212 **Applied Regression Analysis** 10 Lent Term

SM213 **Survey Methods** 10 Michaelmas Term

Classes: SM210a 5 Michaelmas Term

SM211a 5 Lent Term

SM212a 5 Lent Term

SM213a 5 Lent Term

SM210 **Analysis of Variance and Quality Control (Dr. Howard).**

Three lectures on Quality Control introduce methods of acceptance/rejection and continuous process control. Seven lectures on Analysis of Variance cover one and two-way classifications and the estimation of contrasts.

SM211 **Time Series and Forecasting (Mr. Balmer).**

Trend, seasonality, stationarity, exponentially weighted moving average forecasts, ARMA models, and Box-Jenkins forecasting.

SM212 **Applied Regression Analysis (Dr. Howard).**

Multiple linear regression, transformation of data, stepwise and best subsets regression.

SM213 **Survey Methods (Dr. Phillips).**

(This also forms part of the **Statistical Techniques and Packages** - Course Registration Number 790/7240.)

Principles of sampling, stratification, clustering and the multistage sample, applications in market research and accounting. Major government surveys. Questionnaire design. Non-sampling errors.

SM210-SM213 have classes approximately once a fortnight to discuss sets of problems given out in the lectures. The class teachers are usually either the lecturer or a research officer. SM214 has five class seminars taken by the lecturer after the lecture course has finished. Full lecture notes and problem solutions are provided for SM210 and SM212.

**Reading List:** Recommended books are R. B. Miller & D. W. Wichern, *Intermediate Business Statistics* (Holt, Rinehart & Winston, 1977); T. H. Wonnacott & R. J. Wonnacott, *Regression: A Second Course in Statistics* (Wiley, 1981, available in paperback); G. Kalton and C. Moser, *Survey Methods in Social Investigation*.

Students may also wish to consult C. Chatfield, *The Analysis of Time Series - Theory and Practice*; W. Gilchrist, *Statistical Forecasting*; J. Neter & W. Wasserman, *Applied Linear Statistical Models*; T. A. Ryan, B. L. Joiner & B. F. Ryan, *MINITAB Student Handbook*; G. B. Weatherill, *Sampling Inspection and Quality Control*; T. H. Wonnacott & R. J. Wonnacott, *Introductory Statistics for Business and Economics* (2nd edn.).

**Examination Arrangements:** There is a three-hour formal examination in the Summer Term, covering the full syllabus for all four lecture courses. The paper usually contains 9 questions, of which 5 must be attempted. It is important to attempt five questions: no credit is given for a sixth answer, and one fifth of the marks is available for each of these five attempts. On the other hand, it is not necessary to answer in full all parts of a question to obtain a reasonable mark on it. Copies of previous years' papers are available. The majority of the total assessment of the course is based on the examination paper - the remainder is awarded on a project. The project is usually set during the Lent Term and students attempt it in teams of about four members each. The project is handed in early in the Summer Term, and is marked on presentation as well as content.

### SM7231

#### Marketing and Market Research

**Teacher Responsible** Mrs. K. Spitz, Room S213 (Secretary, Anne Usher, S205)

**Course Intended Primarily for**

Course Unit 790/7231

B.Sc. (Management Sciences) 3rd year

B.Sc. (Econ.) approved outside option

Diploma in Management Sciences

**Scope:** The aim of the course is to cover the main methods of data collection and analysis used in market and opinion research and to introduce models for perception, attitude structure and buying behaviour.

**Syllabus:** Marketing information systems. Problem formulation and research designs for market and opinion research. Random sampling and statistical inference: stratification clustering, multistage, multiphase, and area sampling. Sampling frames and non-response. Quota sampling. Data collection methods: interviews, mail questionnaires, observation, panel studies, retail audits and some more qualitative methods. Product tests, advertising and public opinion research. Models for perception, attitudes and preferences: methods of attitude scaling. Thurston, Likert, Guttman and semantic differential scales. Some statistical models used in the analysis of multivariate marketing data. Theories of customer behaviour: models for brand choice, brand loyalty, purchase incidence, purchase timing and market penetration. Learning models for new product adoption. Optimal advertising rates.

**Pre-Requisites:** An understanding of the elements of probability and statistical inference is required. Although much of the course is completely non-mathematical, those students who have done only one very basic course in statistics will find part of the course difficult. Some use may be made of computer packages but it is NOT necessary to have any previous experience of computers.

**Teaching Arrangements:** Approximately two thirds of the total of 70 hours are lectures. Three members of staff participate in the course.

SM222(i) **Mr. D. Balmer (S208) Stochastic Models of Consumer Behaviour**, 20 Hours Lent Term.

SM222(ii) **Mrs. K. E. Spitz (S213) Research Methods** 20 Michaelmas Term, 10 Lent Term, 4 Summer Term SM222(iii) **Dr. C. Phillips (S207) Measurement and Data Analysis** 7 Michaelmas Term, 8 Lent Term

Class time will be allocated at the most appropriate points in each of the lecture courses and will take the form either of problem discussion and solution or of the presentation by students of prepared papers.

SM222(i) covers various theories of consumer behaviour and the stochastic models associated with these.

SM222(ii) is the core methods course and is predominantly concerned with the application of survey methods in market and opinion research.

SM222(iii) covers attitude scaling and introduces some methods of multivariate analysis.

**Written Work:** Students will be expected to attempt about six statistical problem sets for SM222 (i) and (ii). They will also be asked to prepare and deliver class





**Written Work:** Students generally solve an example sheet for each class. These are commented upon in writing by the class teacher, and discussed in the following class.

**Reading List:** A. Neill, *Life Contingencies*, Heinemann, 1977.

**Examination Arrangements:** There are two three-hour examination papers in the Summer Term. On each paper there is a choice of two questions from three in Section A and three questions from five in Section B. Section A questions tend to be more basic than those in Section B, and questions in Section A carry fewer marks. The final mark is the average of the marks awarded on each paper.

### SM7300

#### Elements of Computer Science

**Teacher Responsible:** Georgios Doukidis, Room S106B (Secretary, S107)

#### Course Intended Primarily for

B.Sc. (Econ.) Part I

B.Sc. (Maths./Stats./Computing/Actuarial Science)

B.Sc. (Management Sciences)

Diploma in Accounting and Finance

Diploma in Management Sciences

Diploma in the Management of Information Systems

Diploma in Operational Research

Diploma in Statistics

**Scope:** This course covers computer hardware and computer software including programming, together with some consideration of the overall design and management of computer systems. It is intended for students who will go on to study further computing courses.

#### Syllabus:

##### Computer hardware

Central processing unit, memory, storage devices, input/output devices. The operation of a computer. The scope and capabilities of computer communication systems.

##### Computer software

Loaders, assemblers, compilers, interpreters, utilities and operating systems. Programming languages and the methodology of problem formulation, program design and coding. The PASCAL programming language is taught.

##### Data structures and computer file organisation

Data representation, data storage devices, logical data structures. File organisation and file processing.

**Pre-Requisites:** There are no pre-requisites for this course. No knowledge of computers is assumed.

**Teaching Arrangements:** There are three lecture courses, one of which is accompanied by classes. The class to accompany SM302 will cover material for SM305 and SM311. In addition, a number of open help sessions are organised in the Michaelmas Term for SM305.

Lectures:

SM302 **Introduction to Computing** 20 Michaelmas and Lent Terms and class

SM305 **PASCAL Programming** 15 Michaelmas and Lent Terms.

SM311 **Computer File Organisation** 5 Lent Term.

SM302 **Introduction to Computing.** This covers computer hardware, software (excluding PASCAL programming). The classes that accompany the course are used to clarify lecture material, and to go through exercises.

SM305 **PASCAL Programming** 15 Michaelmas covers problem formulation and solution using the PASCAL programming language.

SM311 **Computer File Organisation.** This course covers data representation, data structures, data storage, file organisation and file processing.

**Recommended Reading:** Goldschlager & Lister, *Computer Science: A Modern Introduction*, Prentice Hall, 1982; P. Bishop, *Computing Science*, Nelson, 1982; L. V. Atkinson, *A Student Guide to Programming in PASCAL*, Wiley, 1982; D. Cooper & M. Clancey, *Oh! PASCAL*, Norton, 1982; Romualdas Skvarcius, *Problem Solving Using PASCAL Algorithm Development and Programming Concepts*, PWS Publishers, 1984.

The following books deal with particular topics on the course.

Specific references are made to these and other books as topics are introduced.

E. S. Page & L. B. Wilson, *Information, Representation and Manipulation in a Computer*, 2nd edn., Cambridge, 1978; H. Lawson, *Understanding Computer Systems*, Chartwell-Bratt; H. D. Clifton, *Business Data Systems*, Prentice Hall, 1978, (High level view of aspects of commercial data processing systems. Many students find this book useful to provide a context to the course. See particularly the first 6 chapters).

**Examination Arrangements:** There is a three-hour formal examination in the Summer Term, based on the full syllabus for all lecture courses. The paper contains 12 questions of which five are to be answered.

There are opportunities for students to learn other programming languages during the year - though no credit is given for these courses. Attention is also drawn to the series of Wednesday afternoon lectures given by members of the LSE Computer Service on particular computing topics of interest to social scientists. Students should consult the notice boards outside Computer Reception S101.

### SM7301

#### General Computing

**Teacher Responsible:** Steve Smithson, Room S111 (Secretary, Sue Coles, S107)

**Other Teachers:** David Dalby, Room S286.

**Course Intended Primarily for** B.Sc. (Econ.) Part I, B.Sc. (Econ.) Part II outside options.

**Scope:** This course is intended for students who wish to take a single Computing course within their degree. This approach emphasises applications, and social and economic issues in information technology.

**Syllabus:** Computer hardware and software, computer programming, computer applications. Methods for developing computer based applications. The economics of information technology. Social Issues.

**Pre-Requisites:** There are no pre-requisites.

**Teaching Arrangements:** There are two lecture courses. The class to accompany SM300 will cover material from both courses.

Lectures: SM300 **General Computing I** 20 Michaelmas and Lent Terms.

SM301 **General Computing II** 20 Michaelmas and Lent Terms.

Classes: SM300a 20 classes Michaelmas and Lent Terms to cover material for both courses.

SM300 **General Computing I**, BASIC Programming and program design.

Applications of Computers in Business and Social Science.

SM301 **General Computing II**, Introduction to Information Technology. Social and economic issues of information technology.

**Reading List:** J. Eaton & J. Smithers, *This is IT*, Philip Allan, 1982; G. Shelly & T. Cashman, *Computer Fundamentals for an Information Age*, Wadsworth/Anaheim, 1984; Hunt & Shelley, *Computers and Common Sense*, Prentice Hall; H. D. Clifton, *Business Data Systems*, 2nd edn., Prentice Hall 1983; P. Bishop, *Computing Science*, Nelson, 1982; R. Atherton, *Structured Programming with Control*, Ellis-Horwood, 1982.

Further reading will be given during the course.

**Examination Arrangements:** There is a three-hour formal examination in the Summer Term based on the full syllabus for all lecture courses.

### SM7320

#### Computing Methods

**Teacher Responsible:** Tony Cornford (Secretary, Susan Coles, S107)

Others involved in this course are: Georgios Doukidis (S106b) and Steve Smithson (S111)

**Course Intended Primarily for** B.Sc. (Econ.) XII Computing I

B.Sc. (Maths./Stats./Computing/Act. Sci.) 2nd or 3rd year.

B.Sc. (Management Sciences) 2nd or 3rd year.

Diploma in Management Sciences

Diploma in the Management of Information Systems

Diploma in Operational Research

**Scope:** The aim of this course is to extend students knowledge of Computer Systems, computer communications, programming languages and program design, including data structures, and the issues involved in the design and use of data systems.

#### Syllabus:

*Micro Computers:* The component parts of a micro computer. The micro processor, its machine code and assembly languages, addressing, interrupts, the hardware stack. The development of micro computer technology and its impact.

*Communications and Distributed Systems:* Wide area networks and local area networks. Ethernet and Cambridge Ring networks. The layered approach to design and implementation of protocols. Distributed Systems.

*Programming Language and Data Structures:* Pascal is used to provide a vehicle for discussion of program design and Data Structures. Students also study other languages.

*Data Base Design:* Students are introduced to the hierarchical, network and relational models of data bases. Entity modelling and normalisation. Schemas and Query Languages.

**Pre-Requisites:** Students are assumed to have a knowledge of computers equivalent to the course **Elements of Computer Science**. They should know the Pascal programming language. The course calls for a considerable amount of practical work using the Computer equipment in the School.

**Teaching Arrangements:** There are two lecture courses as follows:

SM306 **Computing Methods I** 20 lectures Michaelmas and Lent Terms and class (SM307a).

SM307 **Computing Methods II** 20 lectures Michaelmas and Lent Terms.

Students are also expected to put in approximately 2 hours per week of work using the School computers. Lectures: SM306 **Computing Methods I**. This covers programming languages and data structures during the Michaelmas Term, and data base topics during the Lent Term. Exercises will be set.

SM307 **Computing Methods II**. This covers the topics of Micro Computers and Computer technology, as well as Computer Communications.

**Reading List:** No book covers the entire syllabus. Students are advised to make good use of the library, and to share books. Further reading will be given during the course.

J. F. Wakerly, *Micro Computer Architecture and Programming*, Wiley, 1981 (This is an excellent book on Micro computer hardware and software, using Pascal extensively to explain concepts); C. Date, *Introduction to Data Base Systems*, 3rd edn., Addison-Wesley; M. S. Stone *et al.*, *Introduction to Computer Architecture*, 3rd edn., SRA, 1980; D. Halsal & Lister, *Micro Processor Fundamentals*, Pitman, 1980 (A simple introduction to the Intel 8085 micro processor); S. Atre, *Data Base, Structures Techniques for Design, Performance and Measurement*, Wiley, 1980; L. Atkinson, *Pascal Programming*, Wiley, 1980; R. G. Dromey, *How to Solve it by Computer*, Prentice-Hall, 1982; O. J. Dahl, E. W. Dijkstra & C. A. Hoare, *Structured Programming*, Academic Press, 1972 (Classic reference on structured programming); K. Jensen & N. Wirth, *Pascal User Manual and Report*, Springer-Verlag, 1974 (Original definition of Pascal language - not a text book); G. H. MacEwan, *Introduction to Computer Systems using PDP11 and Pascal*, McGraw Hill, 1980; E. S. Page & L. B. Wilson, *Information, Representation and Manipulation in a Computer*, 2nd edn., CUP, 1978; P. Grogono, *Programming in Pascal*, revised edn., Addison Wesley, 1980; D. Cooper & M. Clancey, *Oh! Pascal*, Norton 1982; B. K. P. Horn & P. H. Winston, *LISP*, Addison-Wesley, 1981; K. J. Thurber & H. A. Freeman, *Tutorial: Local Computer Networks*, 2nd edn., IEEE, 1981; J. Beider, *An Introduction to Data Structures*, Allyn & Bacon, 1982; A. S. Tanenbaum, *Computer Networks*, Prentice-Hall, 1981; V. Cheong & R. Hirschheim, *Local Area Networks*, Wiley, 1983.

Material will be distributed covering Communication Systems. Students will be expected to read specific journal articles during the year. Students are particularly direct towards the journals *Computing*

*Surveys, Computer Communication and Software Practice and Experience* which are in the LSE main library.

**Examination Arrangements:** There is a three-hour formal examination in the Summer Term, based on the full syllabus for both lecture courses. The paper contains 10 questions, of which 4 are to be answered. Students will also be asked to produce a practical piece of work for assessment. This work will be set before Christmas and expected to be submitted before Easter. This project will count for 15% of the marks, the exam for 85%, but note that the project work will be of direct relevance to examination topics.

**SM7321****Application of Computers**

**Teacher Responsible:** Tony Cornford, Room S105A (Secretary, Sue Coles, S107)

Other teachers involved in this course are: Georgios Doukidis (S106B) and Steve Smithson (S111)

**Course Intended Primarily for**

B.Sc. (Econ.) XII Computing 3rd year

B.Sc. (Math./Stats./Computing/Actuarial Science) 3rd year

B.Sc. (Management Sciences) 3rd year

**Scope:** This paper is designed to consolidate the computing theory which students have learned, by their pursuing a practical programming project.

**Syllabus:** Students will identify an application, analyse it and design a computerised solution. This will be programmed. The student will write a report on the application including a detailed description of the design of the computerised solution, and the programs that implement it.

**Pre-Requisites:** For undergraduate students the course **Elements of Computer Science** is a pre-requisite.

**Teaching Arrangements:** There is a single course of 10 1 hour lectures in the Michaelmas Term (SM321).

All students must keep in touch with the teacher responsible for the course who must approve all projects. Students will make use of the general support offered by the School to computer users. This includes the program advisory services, and the various courses and lectures offered in the University.

**Reading List:** Appropriate reading depends on the projects tackled. The reading shown here should be of general use in most projects.

C. Edwards, *Developing Microcomputer Based Business Systems*, Prentice Hall, 1982; D. Van Tassel, *Program Style, Design, Efficiency, Debugging and Testing*, Prentice Hall, 1978; B. W. Kernighan & P. J. Plaugher, *Software Tools in Pascal*, Addison-Wesley, 1981; B. W. Kernighan & P. J. Plaugher, *The Elements of Programmings Style*, McGraw Hill, 1974; P. Freeman & A. Wasserman, *Tutorial: Software Design Techniques*, 3rd edn., IEEE, 1980. See examples and papers by Jackson, Stay and Stevens.

**Examination Arrangements:** This course is assessed on the programs and report produced. Students may start work on their projects at any time. The final report must be handed in by the end of the first week of the Summer Term. More information is available from the teacher responsible.

**SM7322****System Analysis and Design**

**Teacher Responsible:** Professor Frank Land, Room S102 (Secretary, Sue Coles, S107)

**Other teachers involved:** Mr. R. Hirschheim, Mr. R. K. Stamper.

**Course Intended Primarily for**

B.Sc. (Econ.) XII Computing 2nd or 3rd year

B.Sc. (Maths., Stats., Computing, Actuarial Science) 2nd or 3rd year.

B.Sc. (Management Sciences) 2nd or 3rd year

Diploma in Management Sciences

Diploma in the Management of Information Systems

**Scope:** The course aims to provide students with an understanding of the process needed to develop a data processing system, and the tools and techniques used in the analysis and design of such a system.

**Syllabus:** Systems Analysis and Design consists of the following two lecture courses:

**SM309 Data Processing Methods (Professor F. Land).**

Analysis of types of information system – batch and real time; centralised, decentralised and distributed; management information systems and decision support systems. Office automation. Data collection and data capture. Integrity of the information system and auditing systems. The programming problem and its solutions.

**SM310 Systems Analysis Methodology I (Professor F. Land and Mr. R. K. Stamper).**

Systems and analysis and design tools and techniques. The role and function of the systems analyst. The system life cycle. Systems analysis and design approaches and methodologies. Cost-benefit analysis of information systems.

**Pre-Requisites:** Students should have attended **Elements of Computer Science** or equivalent course.

**Teaching Arrangements:** There are three lecture courses and classes as follows:

Lectures:

**SM309 Data Processing Methods.** 10 lectures and 10 classes Michaelmas and Lent Term

**SM310 Systems Analysis Methodology.** 20 lectures and 20 classes Michaelmas and Lent Terms.

**Teaching Method:** Teaching is arranged in lectures and classes. Lectures are primarily used for providing an overview and survey of a subject area, together with detailed illustrations. Students are expected to amplify the knowledge gained from lectures by reading and by class projects carried out as individual or group assignments.

**Reading List:**

**SM309 Data Processing Methods**

C. D. Clifton, *Business Data Systems*; J. Parkin, *Systems Analysis*; F. W. McFarlan, F. Warren, R. C. Nolan & D. P. Norton, *Information Systems Administration*; T. Forrester, *The Microelectronic Revolution*; P. Keen & M. Scott-Morton, *Decision Support Systems*; G. Weinberg, *The Psychology of Computer Programming*, E. P. Brooks, *The Mythical Man-Month*.

**SM310 Systems Analysis Methodology I**

C. Grindley & J. Humble, *The Effective Computer*; J. Race, *Case Studies*; J. Martin, *The Telematic Society*. Selected papers from *Harvard Business Review* and *EDP Analyser*; T. de Marco, *Structured Analysis and*

*Systems Specification*; A. Parkin, *Systems Management*; H. Lucas, F. Land, T. Lincoln, & K. Supper, *The Information Systems Environment*; E. Mumford and D. Henshall, *The Participative Approach to the Design of a Computer System*; E. Mumford & M. Weir, *Computer Systems in Work Designs: The ETHICS Methods*; J. C. Emery, *Cost Benefit Analysis of Information Systems*.

**Examination Arrangements:** There is a three-hour formal examination in the Summer Term based on the full syllabus of the three lecture courses. The paper, which contains approximately 12 questions, is divided into two sections. Students are expected to answer five questions, of which at least two must come from each section. All questions carry equal marks.

**SM7331****Numerical and Symbolic Computing**

**Teacher Responsible:** Tony Cornford, Room S105a (Secretary, S107)

**Others involved:** George Doukidis, Susan Powell.

**Course Intended Primarily for**

B.Sc. (Econ.) Part II

B.Sc. c.u. main fields Maths., Stats., Comp., Act. Sci., B.Sc. Man. Sci.

Dip. Stats., Dip. O.R.

**Scope:** This course is intended to give students an appreciation of the problems faced in developing computer applications that require the use of complex numerical and symbolic data manipulation.

**Syllabus:** The syllabus is made up of a core set of topics taught during the Michaelmas Term, and two applied areas taught during the Lent Term.

**The core:** (10 lectures and 20 classes, Michaelmas Term).

Data structures and data representation in computers. The nature of algorithms, design, specification and implementation of algorithms. Verification and testing of algorithms. Factoring methods and array techniques, Merging, sorting and searching. Text processing algorithms. Dynamic data structures and recursive algorithms including trees and linked lists.

**Numerical Computing:** (10 lectures and 10 classes Lent Term). Number representation, fixed and floating point storage, error analysis and approximation. Numerical integration. Solution to non-linear equations. Linear equations. Representation of matrices and other sparse data structures. Pseudo random numbers, Subroutine libraries for numerical computing, the NAG library.

**Symbolic Computing:** (10 lectures and 10 classes Lent Term). Knowledge representation, production systems, frame based systems. Forward and backward chaining. The explanatory interface, support for 'Why' and 'How'. The knowledge acquisition process, knowledge engineering, a knowledge acquisition module. Building an expert system.

**Pre-Requisites:** All students taking this course will be expected to have taken **Elements of Computer Science** and thus learned Pascal, they will also be highly recommended to take simultaneously or to have taken **Operational Research Methods**.

**Teaching Arrangements:** SM312 The teaching consists of one hour lecture and two hours classes per week during the Michaelmas Term, covering core topics. During the Lent Term there is a one hour lecture and one class per week for **Numerical Computing**, and a one hour lecture and one class for **Symbolic Computing**. The total contact hours is thus 70 hours, made up of 40 hours classes and 30 hours lectures. In addition students undertake two projects, see examination arrangements below.

**Reading List:**

**Core Techniques:** R. G. Dromey, *How to Solve it by Computer*; Kernighan and Plauger, *Software Tools in Pascal*, D. Knuth, *The Art of Computer Programming* Vols. 1 & 3; J. D. Foley and A. van Dam, *Fundamentals of Interactive Computer Graphics*; J. Welsh, J. Elder & D. Bustard, *Sequential Program Structures*.

**Numerical Computing:** L. V. Atkinson and P. J. Harley, *An Introduction to Numerical Methods with Pascal*.

**Symbolic Computing:** R. Forsyth, *Expert Systems, principles and case studies*, Chapman and Hall, 1984; P. H. Winston, *Artificial Intelligence*, Addison-Wesley, 1984; C. Naylor *Build your own Expert System*, P. H. Winston and B. Horn, *LISP*.

**Examination Arrangements:** There will be an exam paper counting for 60% of the marks. In addition there will be a project associated with both Numerical Computing and Symbolic Computing. Each of these projects will count for 20% of the marks. Projects will be formulated and set in such a way that a student can make reasonable progress on it during the Lent Term. E.g. the project might ultimately involve the integration of a number of items produced for classes.

**SM7340**

**Elements of Management Mathematics**

**Teacher Responsible:** Dr. S. Powell, Room S105B (Secretary, Hazel Rice, S108)

**Course Intended Primarily for** B.Sc. (Econ.) Part II - in particular special subjects Accounting and Finance, Industry and Trade, 2nd or 3rd year; Diplomas in Accounting and Finance, Business Studies, Economics, Systems Analysis and Design.

**Scope:** The course is intended to give an elementary introduction to the formal techniques of operational research, an approach to the structuring and solution of managerial problems in large or complex organisations in business, industry and government. The techniques themselves are mathematical in nature, though only a basic knowledge of mathematics will be assumed; however a number of the techniques use probabilistic concepts, and the course therefore also includes an introduction to probability theory.

**Syllabus:** Elements of probability; Definitions and rules of probability; Bayes theorem; random variables and expectation; discrete and continuous distributions; simple stochastic processes.

Elements of management mathematics: Topics treated include critical path analysis, scheduling, theory of games, linear programming, decision analysis, dynamic programming, replacement. Markov chains, queues and stock control.

**Pre-Requisites:** Students will need a basic fluency in mathematical manipulations such as is provided by **Basic Mathematics for Economists** or **Elementary Mathematical Methods**. An exposure to statistical thinking at the level of **Basic Statistics** or above will also be an advantage (although the relevant material will be covered in SM313(i)). For students who have already taken **Elementary Mathematical Methods** and **Elementary Statistical Theory** and found them to be not too testing, **Elements of Management Mathematics** will be very restrictive mathematically. They should instead take **Operational Research Methods**, where a rather fuller mathematical vocabulary permits the same techniques to be covered in greater depth.

**Teaching Arrangements:** There are two components of the course, each accompanied by a class. They cover the two subdivisions of the syllabus listed above:

Lectures: SM313(i) **Elements of Probability** 10 Michaelmas Term

SM313(ii) **Elements of Management Mathematics** 20 Michaelmas and Lent Terms

Classes: SM313(a) 20 Michaelmas Term, 10 Lent Term.

SM313(b) Revision class, 5 Summer Term

Full lecture notes are provided for both components of the course. Exercises are distributed in each lecture, which are discussed in the following weekly class.

**Reading List:** Recommended books:

D. R. Anderson, D. J. Sweeney & T. A. Williams, *An Introduction to Management Science* (West); L. Lapin, *Management Science for Business Decisions* (Harcourt Brace Jovanovich); J. C. Turner, *Modern Applied Mathematics* (English Universities Press); A. M. Arthurs, *Probability Theory* (Routledge Kegan Paul); L. Lapin, *Statistics for Modern Business Decisions* (Harcourt Brace Jovanovich); T. H.

Wonnacott & R. J. Wonnacott, *Introductory Statistics* (Wiley). Students may wish to consult:

S. K. Gupta & J. M. Cozzolino, *Fundamentals of Operations Research for Management* (Holden-Day); M. S. Makower & E. Williamson, *Teach Yourself Operational Research* (English Universities Press).

**Examination Arrangements:** The course is examined by one three-hour formal examination in the Summer Term. The paper is divided into sections; the first (normally containing 3 questions) covers SM313(i), while the second section (normally 6 questions) covers SM313(ii). Students are expected to attempt 5 questions, of which no more than 2 can be from the first section. Copies of previous years' papers are available.

**SM7345**

**Operational Research Methods**

**Teacher Responsible:** Dr. John Howard, Room S209 (Secretary, Hazel Rice, S108)

**Course Intended Primarily for**

B.Sc. (Management Sciences) 2nd or 3rd year

B.Sc. (Maths./Stats./Comp./Actuarial Science) 2nd or 3rd year

B.Sc. (Economics) VII Accounting and Finance

B.Sc. (Economics) XI Statistics

B.Sc. (Economics) XII Computing

Diploma in Management Sciences

Diploma in Statistics

Diploma in Operational Research

For course unit degrees, the Course Registration Number is 340/7345.

**Scope:** The course gives an introduction to all the main theoretical techniques of Operational Research. However Simulation is not treated in any depth in the course (only one introductory lecture is given on the technique).

However it is possible to take further paper "Model Building In Operational Research" which extends the Mathematical Programming component of O.R. Methods as well as covering Simulation in some detail.

**Syllabus:** Critical Path Analysis, Production Scheduling, Markov Chains, Queueing Theory, Replacement, Simulation, Stock Control, Dynamic Programming, Decision Theory, Theory of Games, Mathematical Programming.

**Pre-Requisites:** Statistics and Probability Theory to the level of the course **Elementary Statistical Theory**. Mathematics to the level of **Elementary Mathematical Methods**. In particular, students should have covered elementary distribution theory and the Poisson Process, and have a knowledge of linear algebra sufficient to handle matrix inversion and manipulation of partitioned vectors and matrices. It is NOT necessary to have any previous experience of computers, and no computer programming will be required, although students must be prepared to use computer packages when required.

**Teaching Arrangements:**

SM314 25 Sessional; SM314(a) 24 Sessional.

SM315 10 Michaelmas Term; SM315(a) 12 Michaelmas and Lent Term and 3 revision classes in the Summer Terms.

**SM314 Operational Research Techniques** This covers the whole foregoing syllabus except Mathematical Programming. Only one introductory lecture on simulation is given in this course. Very full lecture notes are provided, and every week a set of problems is given out in the lecture. These are discussed in the following weekly class (SM314a). Most class teachers are part-time.

**SM315 Mathematical Programming.** Linear programming: starting from the most basic introduction up to sufficient conditions for optimality; duality; sensitivity of the solution; discovery of the solution to small problems by graphical methods, and proof of optimality by testing the sufficient conditions; solution to larger problems by using a computer package. Unimodular linear programming (transportation): properties of solution, connection with graph theory, an algorithm for hand computation. An introduction to integer linear programming. Very full lecture notes are provided, and every week a set of problems is given out in the lecture. These are discussed in the following weekly class (SM315a). Most class teachers are part-time.

**Reading List:** Recommended books are H. G. Daellenbach & J. A. George, *Introduction to Operations Research Techniques* (Allyn & Bacon, 1978); H. P. Williams, *Model Building in Mathematical Programming* (Wiley, 1977, available in paperback).

Students may also wish to consult

R. L. Ackoff & M. W. Sasieni, *Fundamentals of Operations Research*; G. Hadley, *Linear Programming*; N. A. J. Hastings, *Dynamic Programming with Management Applications*; F. S. Hillier & G. J. Lieberman, *Operations Research*; E. Page, *Queueing Theory in O.R.*; M. Sasieni, A. Yaspan & L. Friedman, *Operations Research: Methods and Problems*; D. Smith, *Linear Programming Models in Business*; S. Vajda, *Readings in Linear Programming*; S. Zions, *Linear and Integer Programming*.

**Examination Arrangements:** The course is examined by one three-hour formal examination in the Summer Term, covering the full syllabus for both lecture courses. The paper usually contains 11 questions, of which five must be attempted. Eight of the questions are on SM314 and three on SM315; at least one of these last three must be attempted (this is a restriction that did not apply before 1983). It is important to attempt five questions: only the best five answers will be counted, and one fifth of the marks is available for each of these five attempts. On the other hand, it is not necessary to answer fully all parts of a question to obtain a reasonable mark on it. Copies of previous years' papers are available.

**SM7347**

**Model Building in Operational Research**

**Teacher Responsible:** Dr. R. J. Paul, Room S109 (Secretary, Hazel Rice, S108)

**Course Intended Primarily for**

B.Sc. (Management Sciences) 3rd year

B.Sc. (Maths./Stats./Comp./Actuarial Science) 3rd year

Diploma in Operational Research

**Scope:** The aim of the course is to build on the introduction to Operational Research given in the course **O.R. Methods**, and to give experience in constructing and developing O.R. models at a level simplified from that encountered in actual operations in terms of size and the problems of data collection, but similar in terms of complexity and realism.

**Syllabus:** Simulation modelling, including manual simulation models, activity cycle diagrams, computer simulation models, stochastic input generation and output analysis. Mathematical programming, extending the mathematical programming content of the course **O.R. Methods** by developing further integer programming and introducing quadratic programming. The emphasis is on large scale models, necessitating the use of a matrix generator and, occasionally, the use of a commercial mathematical programming package.

**Pre-Requisites: Operational Research Methods.** (For third year students who have not taken **O.R. Methods** in their second year, and for Diploma students, **O.R. Methods** may be a co-requisite, taken in the same year).

**Teaching Arrangements:**

SM317 40 Michaelmas and Lent Terms.

SM317(a) 40 Michaelmas and Lent Terms.

The course will be entirely concerned with Simulation in the early part of the Michaelmas Term. It will be taught in a practical fashion where possible, requiring concentrated lectures/classes/practical periods. A whole day Saturday session is not ruled out! Very full lecture notes are provided. The class teachers are the lecturers. The mathematical programming part of the course follows fairly closely H. P. Williams' book (see below) and uses his excellent set of 'almost life size' problems. Some of the accompanying classes are used to tackle these problems by the whole group, without prior preparation.

**Reading List:** Students may also wish to consult A. M. Law & W. D. Kelton, *Simulation Modelling and Analysis*; Naylor, Balintfy, Burdick & Chu, *Computer Simulation Techniques*, M. Pidd, *Computer Simulation in Management Science*; K. D. Tocher, *The Art of Simulation*; G. Hadley, *Linear Programming*; D. Smith *Linear Programming Models in Business*; S. Vajda, *Readings in Linear Programming*; S. Zions, *Linear and Integer Programming*.

**Examination Arrangements:** The paper is in two parts: a single compulsory question on simulation, and three questions to be answered out of six on mathematical programming. All questions have equal weight and it is important to answer the right number of questions from the two parts, and only the best four will be counted. On the other hand, it is not necessary to answer fully all parts of a question to obtain a reasonable mark on it. Copies of previous exam papers containing similar questions are available.

The formal examination counts for 40% of the total marks for the course. The other 60% are awarded, 40% for the report on the simulation project, and 20% for the mathematical programming project.

**SM7360****Applied Management Science****Teacher Responsible:** Professor A. Land, Room S114 (Secretary, Hazel Rice, S108)**Course Intended Primarily for** B.Sc. (Management Sciences) Course Unit 340/7360.**Scope:** The student will carry out and report upon a substantial practical piece of operational research.**Syllabus:** None.**Pre-Requisites:** The student must be in his final year of B.Sc. (Management Sciences) and must have taken, or be concurrently taking, the courses for the field Operational Research.**Teaching Arrangements:** The student will be assigned to Professor M. Shutler who will continuously monitor the progress and give tutorial guidance as required. Any student intending to offer this course unit in the third year should contact Professor Land before the end of the Summer Term or his or her second year.**Reading List:** J. Mitchell, *How to Write Reports*, Fontana; B. M. Cooper, *Writing Technical Reports*, Pelican; Sir Ernest Gowers, *The Complete Plain Words*, Pelican.**Examination Arrangements:** Assessment is based entirely on the report which should be submitted to the supervisor by the end of the fourth week of the Summer Term.**SM8001****Applied Abstract Analysis  
See SM7060****SM8002****Game Theory I****Teacher Responsible:** Professor K. G. Binmore, Room S484 (Secretary, Mimi Bell, S464)**Course Intended Primarily for** M.Sc. (Operational Research) and other suitably qualified graduate or General Course students.**Scope:** The theory of games and its applications in economics.**Syllabus:** Von Neumann and Morgenstern utility theory. Formal games and their classification. Strictly competitive (zero-sum) games. Poker and bluffing. Non-cooperative games. Nash equilibrium. Cooperative games. Survey of cooperative solution concepts including the core, Von Neumann and Morgenstern solutions sets, Nash bargaining solutions and the Shapley value.**Pre-Requisites:** A knowledge of mathematics beyond that covered in **Elementary Mathematical Methods** (SM102) possibly including **Introduction to Analysis and Set Theory** (SM103) and/or **Mathematical Methods** (SM113).**Teaching Arrangements:** The lecture course SM120 **Games** during the Michaelmas Term (two lectures a week). Also 10-12 problem classes SM120a are given in Michaelmas and Lent Terms.**Written Work:** Lecture notes containing problems are supplied. Written answers will be expected by the class teacher on a regular basis and the problems will be discussed in the class.**Reading List:** This subject is currently under development and completely adequate books are not available. *Game Theory* by G. Owen (second edition) should be purchased or *Game Theory* by T. Jones (although this is only sound on zero-sum games). Some further references are *Games and Decisions* by Luce and Raiffa, *The Theory of Games and Economic Behaviour* by Von Neumann and Morgenstern, *Two-Person Game Theory* by Rappaport, *Economics and the Theory of Games* by Bacharach, *Rational Behaviour and Bargaining Equilibrium in Games and Social Situations* by Harsanyi, *The Compleat Strategyst* by Williams, *The Strategy of Conflict* by Schelling.**Examination Arrangements:** Students are normally assessed on the basis of a two-hour formal examination in the Summer Term.**SM8003****Game Theory II****Teacher Responsible:** Professor K. G. Binmore, Room S484 (Secretary, Mimi Bell, S484)**Course Intended Primarily for** M.Sc. (Operational Research), and other suitably qualified graduate or General Course students.**Scope:** The theory of games and its applications in economics.**Syllabus:** Perfect equilibrium. Games with incomplete information. The Nash programme and non-cooperative bargaining models. Market games and the application of game-theoretic ideas to problems in the economic theories of externalities, oligopoly and resource allocation under differential information. (Students will not be required to prepare for the whole of this syllabus. Mathematically trained students will be expected to omit the more advanced economics material and Economic students will be expected to omit the more mathematical material).**Pre-Requisites:** **Game Theory I**. For the more advanced economics material, a knowledge of economics as covered in **E113 Principles of Economics Treated Mathematically**. For the more advanced mathematics material **SM124 Introduction to Topology** and **SM126 Fixed Point Theorems** will be useful but not essential. More important that a knowledge of specific techniques is the habit of thinking in the careful way required in mathematics and economic theory.**Teaching Arrangements:** The lecture course SM121 **Games** during the Lent and Summer Terms (one lecture a week) and **Economic Application of Game Theory** consisting of one lecture a week in the Lent and Summer Terms.**Written Work:** Lecture notes containing problems are supplied. Written answers will be expected by the class-teacher on a regular basis and the problems will be discussed in the class.**Reading List:** This subject is currently under development and completely adequate books are not available. *Game Theory* by G. Owen (second edition) should be purchased or *Game Theory* by T. Jones (although this is only sound on zero-sum games). Some further references are *Games and Decisions* by Luce and Raiffa, *The Theory of Games and Economic**Behaviour* by Von Neumann and Morgenstern, *Two-Person Game Theory* by Rappaport, *Economics and the Theory of Games* by Bacharach, *Rational Behaviour and Bargaining Equilibrium in Games and Social Situations* by Harsanyi, *The Compleat Strategyst* by Williams, *The Strategy of Conflict* by Schelling.**Examination Arrangements:** Students who take Game Theory II will be expected to take Game Theory I in the same year and will be examined on both courses with a single three hour paper. The examination will contain a general section, a more mathematical section and a more economical section. Students will be required to answer questions from two of these three sections.**SM8203****Stochastic Processes****Teacher Responsible:** Professor J. Hajnal, Room S116 (Secretary, Anne Usher, S205)**Course Intended Primarily for** M.Sc. (Statistics and Operational Research) (half-unit).**Scope:** An introduction to some aspects of stochastic processes useful for application in statistics or operational research.**Syllabus:** The first part of the course provides an elementary treatment of Markov chains and processes. Further topics are selected from a list including renewal theory, queueing theory, branching processes, random walks, Brownian motion and diffusion processes.**Pre-Requisites:** A knowledge of mathematics along the lines of **Elementary Mathematical Methods**, SM7000, and of probability to the level of **Probability and Distribution Theory**, SM7220.**Teaching Arrangements:** SM250, 2 hours per week in the Michaelmas and Lent Terms.**Reading List:** M. Iosifescue, *Finite Markov Processes and their Applications*; J. G. Kemeny & J. L. Snell, *Finite Markov Chains*; D. L. Isaacson & R. W. Madsen, *Markov Chains: Theory and Applications*; S. Karlin & H. M. Taylor, *A First Course in Stochastic Processes*; S. M. Ross, *Applied Probability with Optimisation Applications*.**Examination Arrangements:** There is a two-hour written examination in the Summer Term based on the content of the whole course.**SM8204****Decision Analysis in Theory and Practice****Teacher Responsible:** Dr. John Howard, Room S209 (Secretary, Hazel Rice, S108)**Course Intended Primarily for** M.Sc. (Operational Research).**Scope:** This half-unit course covers the fundamentals of the theory of decision analysis, and then students may choose to study either Bayesian statistics, or behavioural decision theory, or the application of decision analysis in practice. The course is given jointly by the Decision Analysis Unit and the Department of Statistical and Mathematical Sciences, and is intended to be genuinely inter-disciplinary.**Syllabus:** The foundations of decision theory; descriptive models of human decision making; Bayesian statistical methods with applications; the use of decision analysis in practice. (Students must cover the first topic and *one* of the other three.)**Pre-Requisites:** Statistics and Probability Theory to the level of the course **Elementary Statistical Theory**. Mathematics to the level of **Elementary Mathematical Methods**.**Teaching Arrangements:** There are four lecture courses, each accompanied by a fortnightly class. Each student must cover the material in the first lecture course and *one* of the other three. The courses are as follows:

Lectures: SM238, 10 Michaelmas Term

SM239, 10 Michaelmas Term

SM240, 10 Lent Term

SM241, 10 Lent Term

Classes: SM238a, 5 Michaelmas Term

SM239a, 5 Michaelmas Term

SM240a, 5 Lent Term

SM241a, 5 Lent Term

SM238 **Fundamentals of Decision Theory (Dr. J. V. Howard)**. This covers the normative theory of subjective probability and expected utility.SM239 **Behavioural Decision Theory** (Staff of the Decision Analysis Unit). An exposition of descriptive models of human decision making, with an emphasis on the relationship between descriptive and normative theories.SM240 **Bayesian Statistical Methods (Dr. M. Knott)**. General discussion of the Bayes' approach and comparison with other approaches to statistical inference. Applications to some basic statistical problems.SM241 **Decision Analysis in Practice** (Staff of the Decision Analysis Unit). Presents applications of Decision Theory in both public and private sectors, illustrating how Decision Theory is modified and supplemented to provide a workable technology.**Reading List:** Recommended books will be given at the beginning of each lecture course.**Examination Arrangements:** The course is examined by an essay or project assignment during the year and by one two-hour formal examination in the Summer Term. The paper will probably contain two questions in each of the four main topics, and three of these questions must be attempted. It is important to attempt three questions: only the best three marks will be counted, and one third of the marks is available for each of these three attempts. On the other hand, it is not necessary to answer all parts of a question to obtain a reasonable mark on it.**SM8213****Models of Social Processes****Teacher Responsible:** Dr. D. J. Bartholomew, Room S210 (Secretary, Mary Cahill, S206)**Course Intended Primarily for** M.Sc. (Statistics), M.Sc. (Sociology and Statistics) and M.Sc. (Operational Research) (half-unit).**Scope:** Models for manpower planning and for social change.







SM369 **Topics in Systems Analysis**, 20 lectures, Michaelmas and Lent Terms

SM370 **Computers in Information Processing Systems**, 40 lectures, 20 Michaelmas Term and 20 Lent Terms.

Classes: SM370a 10 Michaelmas

Group presentations: SM370b 30 Lent and Summer Terms.

SM364 **Computer Systems Design** discusses the design objectives of computer based systems, and methods and techniques of computer design.

SM369 – This is a special one hour time period reserved for the presentation of videos, demonstration of new technologies and software packages, and the like.

SM370 – This course covers a range of new technologies which are or will be used in information processing systems. As part of this course, students are required to participate in a major group project, which takes a detailed look at one particular technology. Additional written and oral work is expected as a number of short assignments on various topics will be given.

**Reading List:** As no one book covers the entire syllabus, students are advised to consult their course lecturers on the most appropriate books to read from the reading list. Students are also expected to read various journals because of the rapidly changing technology covered in the syllabus.

**Computers in Information Processing Systems V.** Cheong & R. Hirschheim, *Local Area Networks*; R. Hirschheim, *Office Automation*; T. Forester, *The Microelectronics Revolution*; H. Hunke, *Software Engineering Environments*; B. Lientz, *An Introduction to Distributed Systems*; D. W. Davies, D. L. A. Barber, W. L. Price & C. M. Solomonides, *Computer Networks and their Protocols*; A. Tanenbaum, *Computer Networks*; S. Atre, *Data Base: Structured Techniques for Design, Performance and Management*; C. Date, *An Introduction to Database Systems*; Selected papers.

#### **Topics in Systems Analysis**

A. Burns, *The Microchip*; H. Lucas, F. Land, T. Lincoln & K. Supper, *The Information Systems Environment*; J. Couger, M. Colter & R. Knapp, *Advanced System Development/Feasibility Techniques*; P. Chen, *Entity-Relationship Approach to Systems Analysis and Design*; E. Yourdon, *Techniques of Program Structure and Design*; G. Davis & G. Everest, *Readings in Management Information Systems*; M. Dertouzos & J. Moses, *The Computer Age*; M. Jackson, *Principles of Program Design*; M. Lockett & R. Spear, *Organisations as Systems*; P. Keen & M. S. Scott-Morton, *Decision Support Systems*; Fick & Sprague, *Decision Support Systems: Issues and Challenges*; Selected papers.

#### **Computer Systems Design**

C. Brookes, *et al.*, *Information Systems Design*; J. Burch, *et al.*, *Information Systems – Theory and Practice*; A. Daniels & D. Yeates, *Practical Systems Design*; H. Clifton, *Business Data Systems*; Selected papers and case studies.

**Examination Arrangements:** There is a three-hour formal examination in the Summer Term, based on the full syllabus of all three lecture courses. The papers will

contain approximately 10 questions, of which four are to be answered. It is important to answer four questions as no credit is given for a fifth answer, and one quarter of the marks are allotted to each of the four answers. Copies of previous years' papers are available.

### SM8303

#### **Systems Analysis See Computing and Data Processing SM8300**

### SM8304

#### **Advanced Systems Analysis**

**Teacher Responsible:** Professor Frank Land, Room S102 (Secretary, Sue Cole, S107)

**Other Teachers Involved:** Mr. R. K. Stamper, Mr. S. Smithson, Mr. R. Hirschheim, Mrs. E. Somogyi

**Course is Compulsory** for M.Sc. Analysis, Design and Management of Information Systems and for Diploma in the Management of Information Systems.

**Course Also Intended** for M.Sc. in Operational Research, Accounting and Finance. It may be selected as an option for other M.Sc.'s under the "any other option" rubric.

**Scope:** The aim of the course is to provide students with an understanding of the process by which information technology is applied to the information problems of organisations and the social and organisational context in which information systems will be expected to operate.

**Syllabus:** **Advanced Systems Analysis** comprises the following four courses:

SM361 **Information Systems (Mr. R. Hirschheim)** which looks at the way information systems, as an area of study, has evolved. Contributions from different disciplines which aid our understanding of information systems are explored. In particular, management, information and systems theories are discussed along with how information systems are developed and used.

SM362 **Information Systems Management (Professor F. Land, Mrs. E. Somogyi, Mr. R. Hirschheim)**, which considers the "life cycle" of an information system, and the processes and activities which are needed to investigate, design, implement, and operate a computer-based information system. The course discusses information economics, the organisation of the EDP function within an organisation, and the control of an information systems development project.

SM360 **Information Requirements (Mr. R. K. Stamper)**, which examines how a business's requirements for an information system are specified. A number of different methods of analysis and documentation are examined and applied to case studies. Specific techniques are related to their underlying logical, mathematical and linguistic tools. SM363 **Systems Analysis Methodology II (Mr. R. K. Stamper)**, which critically compares and assesses the various methods and their associated tools and techniques for systems analysis.

**Pre-Requisites:** Students should have a basic knowledge of computer science, and should at least have read some basic text books on systems analysis,

such as Daniel & Yeates, *Basic Systems Analysis* or A. Parkin, *Systems Analysis*. A knowledge of elementary logic would also be useful.

**Teaching Arrangements:** There are four lecture courses and classes as followed:

SM361 **Information Systems**, 10 one-hour lectures, and 5 one-hour classes (SM361a) Michaelmas Term. SM362 **Information Systems Management**, 10 one-hour lectures, and 5 one-hour classes (SM362a) Michaelmas Term.

SM363 **Systems Analysis Methodology II**, 10 one-hour lectures, and 10 one-hour classes (SM363a) Lent Term.

SM360 **Systems Specification**, 10 one-hour lectures Michaelmas Term.

**Teaching Method:** Teaching is arranged in lectures and classes. Lectures are primarily used for providing an overview and survey of the subject area, together with detailed illustrations. Students are expected to amplify the knowledge gained from lectures by guided reading. Classes are used for students carrying out case studies in groups, or for individual students, or students working in groups, investigating in detail and reporting orally and in writing on issues raised in lectures and discussion.

**Reading List:** Each course (see below) has its own essential reading, but if possible the following books should have been studied before commencing the course:

T. De Marco, *Structured Analysis and Systems Specification*; W. Kent, *Data and Reality*; D. Clifton, *Business Data Systems*.

No one book covers the entire syllabus, and because of the rapidly changing technology, and the widening range of relevant journals, and new books, students are advised to consult the course lectures on the most appropriate material from the reading list.

#### **General List – Essential Reading**

P. Checkland, *Systems Thinking, Systems Practice*; D. Clifton, *Business Data Systems*; T. De Marco, *Structured Analysis and Systems Specification*; C. B. Grindley & J. Humble, *The Effective Computer*; W. Kent, *Data and Reality*; H. Lucas, F. Land, T. Lincoln & K. Supper (Eds.), *The Information Systems Environment*; R. K. Stamper, *Information in Business*. SM360 **Systems Specification**

M. Jackson, *Systems Development*; M. Lundeborg *et al.*, *Information Systems Development*; J. Buberko, *Information Analysis*; P. Gray, *Logic Algebra and Database*; J. Allwood *et al.*, *Logic in Linguistics*; W. W. Ollie *et al.*, *Information Systems Design Methodologies*, (a) *Comparative Reviews*, (1982), (b) *Feature Analysis*, (1983); G. Collins & G. Blay, *Structured Systems Development Techniques*; T. De Marco, *Structured Analysis and Systems Specification*; S. J. Waters, *Systems Specification*.

#### **SM361 Information Systems**

G. Davis & M. Olson, *Management Information Systems*; N. Ahituv & S. Neumann, *Principles of Information Systems for Management*; G. Davis & S. Everest, *Readings in Management Information Systems*.

#### **SM362 Information Systems Management**

R. Hirschheim, *Information Management Planning in Organisations*; F. P. Brooks, *The Mythical Man-Month*; H. Donaldson, *Data Processing Project Management*; R. Nolan, *Managing the Data Resource Function* (2nd edn.); T. Gildersleeve, *Data Processing Project Management*; A. Parkin, *Systems Management*.

#### **Other Relevant Books:**

J. D. Aron, *The Program Development Process*; A. Chandor, *Selecting and Keeping Computer Staff*; L. J. Krauss & A. MacGahan, *Computer Fraud and Countermeasures*; D. K. Hsiao, D. S. Kerr & S. E. Madnick, *Computer Security*; J. Martin, *Security, Accuracy and Privacy of Computer Systems*; F. W. McFarlan & R. L. Nolan, *The Information Systems Handbook*; P. W. Metzger, *Managing a Programming Project*; D. B. Barker, *Crime by Computer*; G. M. Weinberg, *The Psychology of Computer Programming*. SM363 **Systems Analysis Methodology II** (see also SM360)

C. Gane & T. Sarson, *Structured Analysis: Tools and Techniques*; M. Mehlmann, *When People Use Computers*; E. Mumford & D. Henshall, *The Participative Approach to the Design of Computer Systems*; J. Cougar, M. Colter & R. Knapp, *Advanced System Development/Feasibility Techniques*; E. Mumford & M. Weir, *Computer Systems in Work Design: The ETHICS Method*; G. Weinberg, *Structured Analysis*.

#### **Other Relevant Books:**

C. Hines & G. Serle, *Automatic Unemployment*; P. Kraft, *Programmers and Managers*; E. Mumford & H. Sackman, *Human Choice and Computers I*; A. Mowshowitz, *Human Choice and Computers II*; N. Szyperksi & E. Groschla (Eds.), *Computer-Based Information Systems*.

**Examination Arrangements:** There is a three-hour formal examination in the Summer Term based on the full syllabus of all four lecture courses. The paper which contains 12 questions is divided into two sections. Students are expected to answer four questions, two from each section. All questions carry equal marks. Examination papers from previous years are available from Sue Coles (S107).

**Other Information:** More detailed study guides for individual courses will be made available on request.

### SM8305

#### **Systems Analysis I**

**Teacher Responsible:** Professor Frank Land, Room S102 (Secretary, Sue Coles, S107)

**Other Teachers Involved:** Mr. R. K. Stamper

**Course Intended Primarily** for M.Sc. (Operational Research)  $\frac{1}{2}$  unit.

**Scope:** The course will give students an understanding of the process by which information system problems are analysed, and information technology is applied to them.

**Syllabus:** Systems Analysis I comprises the following two lecture courses.

#### **SM360 Systems Specification**

Discusses the function of a systems specification and analyses the components and contents of the





**Pre-Requisites:** A knowledge of mathematics and statistics to the level of the undergraduate papers in **Elementary Mathematical Methods** and **Elementary Statistical Theory** of the Part I examination of the B.Sc. (Econ.) degree.

**Teaching Arrangements:**

SM351 10 x 3-hour Michaelmas Term  
 SM353 10 x 3-hour Michaelmas Term  
 SM357 10 Michaelmas Term, SM357(a) 5 Michaelmas Term  
 SM377 30 September-3 October and 5 Michaelmas Term

**Reading List:** Recommended books are: H. G. Daellenbach & J. A. George, *Introduction to Operations, Research Techniques*, Allyn and Bacon, 1978; H. P. Williams, *Model Building in Mathematical Programming*, Wiley, 1977, available in paperback. Students may also wish to consult: R. L. Ackoff and M. W. Sasieni, *Fundamentals of Operations Research*; R. G. Brown, *Smoothing Forecasting and Prediction*; W. Gilchrist, *Statistical Forecasting*; G. Hadley, *Linear Programming*; N. A. J. Hastings, *Dynamic Programming with Management Applications*; F. S. Hillier & G. J. Lieberman, *Operations Research*; I. Irvine, I. Miles & J. Evans (Eds.), *Demystifying Social Statistics*; L. L. Lapin, *Statistics for Modern Business Decisions*; A. M. Mood & F. A. Graybill, *Introduction to the Theory of Statistics*; E. Page, *Queueing Theory in O.R.*; M. Sasieni, A. Yaspan & L. Friedman, *Operations Research: Methods and Problems*; D. Smith, *Linear Programming Models in Business*; S. Vajda, *Readings in Linear Programming*; S. Zions, *Linear and Integer Programming*.

**Examination Arrangements:** A single three-hour formal open-book examination is held near the end of the Summer Term. The paper contains seven questions, sampled randomly from the three lecture courses. Five of these questions must be attempted. It is important to attempt five questions: only the best five answers will be counted, and one fifth of the marks is available for each of these five questions. On the other hand, it is not necessary to answer fully all parts of a question to obtain a reasonable mark on it. Copies of previous years' papers are available. Prior to the examination, a set of questions will be given out at the beginning of the Summer Term to be solved before the examination. The examination questions will refer to the solutions of the pre-examination questions. Note: this is an open-book examination i.e. any material can be brought into the examination room.

**SM8344**

**Applications of Operational Research**

**Teachers Responsible:** Dr. John Howard, Room S209 (Secretary, Hazel Rice, S108)

**Course Intended Primarily for** M.Sc. Operational Research, for which this constitutes a compulsory half-unit paper.

**Scope:** This course is designed to complement the theoretical emphasis of Techniques of Operational Research SM8343. The intention is to give students an appreciation of the non-technical factors which enter into the successful execution of an operational research

study — by means of case study presentations, a discussion of methodological issues, and an experience of 'practical' project work.

**Syllabus:**

**Operational Research Methodology (SM350):** The practice and context of operational research — how they affect each other. Topics covered range from problem formulation and model building through to the scientific status of O.R., and to whether O.R. workers are professionals. The course is taught by a mixture of presentations by the lecturer and by groups of students. The approach of the course is critical — students will be encouraged to re-examine cherished assumptions, and debate their validity.

**Selected Topics in Operational Research (SM358):** A series of invited speakers present practical illustration of O.R. in business or in public agencies.

**Operational Research Tutorial Class (SM350):** Students will be given an O.R. problem to be solved in groups of four students. The problem requires the application of commonsense and what the students learn during the course in order to produce a group report by the end of the fourth week of the Summer Term. A one day session will be held during the fifth week of the Summer Term during which each students group will make a presentation of their report to the other students and the O.R. staff.

**Teaching Arrangements:**  
 SM350 8 x 1½ hours Lent Term  
 SM358 15 x 1½ hours Michaelmas and Lent Terms

**Reading List:** Recommended books (for **Operational Research Methodology**) are: R. L. Ackoff, *Scientific Method: Optimizing Applied Research Decisions*; J. Irvine, I. Miles & J. Evans (Eds.), *Demystifying Social Statistics*; G. Majone & E. S. Quade (Eds.), *Pitfalls of Analysis*. Students may also wish to consult: M. Hales, *Science of Society? The Politics of the Work of Scientists*; T. J. Johnson, *Professions and Power*; J. R. Ravetz, *Scientific Knowledge and its Social Problems*. A much more extensive reading list will be provided at the start of the course.

**Examination Arrangements:** There is no formal examination for this course. Assessment weight is divided equally between an essay on a subject based on the **Operational Research Methodology** course, and the report and presentation mentioned above under **Operational Research Tutorial Course** (for which all members of a group receive the same mark). Both the essay and the report are evaluated on presentation as well as content.

**SM8345**

**Context of Operational Research and Simulation (Half unit course)**

**Teacher Responsible:** Dr. Ray Paul, Room S109 (Secretary, Hazel Rice, S108)

**Course Intended Primarily for** M.Sc. Operational Research.

**Scope:** The course is compulsory for all M.Sc. Operational Research students and gives an introduction to simulation, computer software in O.R., and other disciplines or relevance to the practice of Operational Research.

**Syllabus:**

**Workshop in Simulation and Computer Software:** Computer simulation models, design of computer software in O.R., applications of microcomputers in O.R.

**Elements of Financial Decision Theory (Not available 1985-86):** The theory of long-run decision making in the firm. The investment, financing and dividend decision and their inter-relationships. The valuation of the firm. The problems caused by capital market imperfections. The handling of risk and uncertainty, and especially the contribution of modern portfolio theory and the capital asset pricing model.

**Industrial Psychology:** Individual maturation and maladjustment. Factors leading to the formation of industrial groups. Morale and individual breakdown; co-operative and competitive situations; resistance to change. The nature of incentives. Supervisory and other leadership. Psychological and organizational factors in communication.

**Basic Systems Analysis:** An introduction to systems analysis and the role the systems analyst plays in the design of computer based systems. The relationship between systems analysis and operational research. Information systems in organisations: role and function.

**Economics for Operational Research:** An introduction to economics.

**Pre-Requisites:** A knowledge of mathematics and statistics to the level of the undergraduate papers in **Elementary Mathematical Methods** and **Elementary Statistical Theory** of Part I examination of the B.Sc. (Econ.) degree.

**Teaching Arrangements:**  
 SM368 10 x 3-hours Michaelmas Term  
 Ac107 20 Michaelmas Term, Ac107(a) 11 Michaelmas Term  
 Ps166 15 Michaelmas Term  
 SM365 10 Michaelmas Term, SM365(a) Michaelmas Term  
 SM366 5 x 2-hours Michaelmas Term

**Reading List:** Recommended are: M. Pidd, *Computer Simulation in Management Science*.

Students may also wish to consult: A. M. Law & W. D. Kelton, *Simulation Modelling and Analysis*; Naylor, Balintfy, Burdick & Chu, *Computer Simulation Techniques*; K. D. Tocher, *The Art of Simulation*.

This reading list would be excessively long if books for all the above lecture courses were given. Specific recommendations will be made during the lecture courses.

**Examination Arrangements:** The course is examined entirely by course work and a project. The course is assessed as follows: 70% for a management report covering the results of a computer simulation program. The problem to be simulated is given during the second half of the Michaelmas Term for completion in the first two weeks of the Lent Term. 30% for one piece of written work which can be selected from the following lecture courses:

(a) **Industrial Psychology**; (b) **Economics for Operational Research**; (c) **Basic Systems Analysis**; (d) **Elements of Financial Decision Theory**;

Written work is marked on presentation as well as on content.

**SM8346**

**Combinatorial Optimization**

**Teacher Responsible:** Andrew Harris, Room S106a (Secretary, Hazel Rice, S108)

**Course Intended Primarily for** M.Sc. Operational Research.

**Scope:** The course is intended as an extension of the **Graph Theory** course SM356, and will concentrate on Combinatorial Optimization.

**Syllabus:** Shortest path algorithms in networks, bipartite and non-bipartite matching, trees, blossoms, augmenting paths, various matching algorithms, and introduction to matroids. The course will also contain some material on graph theory, in particular, connectivity and colouring results.

**Pre-Requisites:** **Graph Theory**, SM356. **Mathematical Programming I** is desirable material.

**Teaching Arrangements:** SM386 15 Lent Term; SM386(a) 15 Lent Term.

**Written Work:** Lecture notes containing problems are supplied. Written answers will be expected by the lecturer on a regular basis, and the problems will be discussed in the problem class.

**Reading List:** This subject is currently under development and so a definitive text is not available. The two main reference books for the main part of the course will be *Combinatorial Optimization* by E. Lawler, and *Combinatorial Optimization* by C. H. Papadimitiou and K. Steiglitz (Prentice Hall, 1982). As concise reference material for the graph theoretic part of the course, Chapters 1-5 of B. Bollobas's book "Graph Theory; An Introductory Course" (Springer, 1979) should prove useful.

**Examination Arrangements:** Students will be assessed on the basis of a two-hour formal examination in the Summer Term.

**SM8347**

**Advanced Operational Research Techniques**

**Teacher Responsible:** Dr. John Howard, Room S209 (Secretary, Hazel Rice, S108)

**Course Intended Primarily for** M.Sc. Operational Research.

**Scope:** This is an advanced half-unit course in Operational Research Techniques but excluding Mathematical Programming and Simulation (for which there are specialist companion courses available).

**Syllabus:** Replacement Theory, Scheduling, Inventory Control, Queueing Theory, Game Theory, Dynamic Programming, and Heuristics.

**Pre-Requisites:** Statistics and Probability Theory to the level of the course **Elementary Statistical Theory**. Mathematics to the level of **Elementary Mathematical Methods**. Operational Research to the level of **Basic Operational Research Techniques**. Students must be prepared to use both micro and mainframe computers.

**Teaching Arrangements:** SM352 20 Lent Term  
 SM352(a) 20 Lent Term  
 Very full lecture notes are provided, and every week a

set of problems is given out in the lecture. These are discussed in the following classes (SM352a). The class teacher is usually the lecturer or a teaching assistant.

**Reading List:** Recommended books are: K. R. Baker, *Introduction to Sequencing and Scheduling*; R. E. Bellman & S. E. Dreyfus, *Applied Dynamic Programming*; R. B. Cooper, *Introduction to Queueing Theory* (2nd edn.); D. R. Cox & W. L. Smith, *Queues*; S. French, *Sequencing and Scheduling*; G. Hadley & T. M. Whitin, *Analysis of Inventory Systems*; N. A. J. Hastings, *Dynamic Programming with Management Applications*; F. S. Hillier & G. J. Lieberman, *Operations Research*; D. W. Jorgenson, J. J. McCall & R. Radner, *Optimal Replacement Policy*; E. Page, *Queueing Theory in O.R.*

**Examination Arrangements:** There is a two-hour formal examination in the Summer Term covering the whole syllabus. The paper usually contains six questions, of which three must be attempted. It is important to attempt three questions: only the best three answers will be counted, and one third of the marks is available for each of these three attempts. On the other hand, it is not necessary to answer fully all parts of a question to obtain a reasonable mark on it. Copies of previous years' papers are available, but before 1985 the examination paper had a different structure.

**SM8348**

**Further Simulation (Half unit course)**

**Teacher Responsible:** Dr. R. J. Paul, Room S109 (Secretary, Hazel Rice S108)

**Course Intended Primarily for** M.Sc. Operational Research.

**Scope:** An introduction to research work in simulation.

**Syllabus:** An examination of programming structures from simulation model construction e.g. process-flow, three-phase, event-based. Program generation by computer automated methods. The use of new software ideas in automating problem solving by simulation. A review of other modelling techniques, such as systems dynamics, control theory.

**Pre-Requisites:** The lecture course SM368.

**Teaching Arrangements:** SM374 25 Lent and Summer Terms

**Reading List:** As for SM8345 plus others to be given in lectures.

**Examination Arrangements:** This course is examined entirely by course work and/or project work. The nature of the work will depend on how many students take the course.

**SM8349**

**Computer Modelling for Operational Research**

**Teacher Responsible:** Mr. D. W. Balmer, Room S208 (Secretary, S107)

**Course Intended Primarily for** M.Sc. (Statistics) (half-unit)

**Scope:** The course is composed of two distinct sections. Each of these in its own way provides some insight into the interface between computing methods and operational research.

**Syllabus:**

**SM365 Basic Systems Analysis:** An introduction to systems analysis and the role the systems analyst plays in the design of computer based systems. The relationship between systems analysis and operational research. Information systems in organisations: role and function. Other topics include economics, cost benefit analysis and computer programming.

**SM368 Workshop in Simulation and Computer Software:** Activity cycle diagrams, computer simulation models, stochastic input generation and output analysis. The course is taught with a strong emphasis on practical application. Micro Packages and Software Design; the use of microcomputers and associated software.

**Pre-Requisites:** There are no specific prerequisites in computing, but some prior contact with computing, use of packages and programming would be useful.

**Teaching Arrangements:** SM365 10 lectures and 5 classes in the Michaelmas Term. SM368 30 hours teaching during the Michaelmas Term.

**Examination Arrangements:** Each section of the course will be assessed independently by means of an extended essay or a project as appropriate.

**SM8350**

**Management Mathematics**

**Teacher Responsible:** Jonathan Rosenhead, Room S113 (Secretary, Hazel Rice, S108)

**Course Intended Primarily for** M.Sc. in Analysis, Design and Management of Information Systems.

**Scope:** The course is intended to give an elementary introduction to the formal techniques of operational research, an approach to the structuring and solution of managerial problems in large or complex organisations in business, industry and government. The techniques themselves are mathematical in nature, though only a basic knowledge of mathematics will be assumed; however a number of the techniques use probabilistic concepts, and the course therefore also includes an introduction to probability theory.

**Syllabus: Elements of Probability;** Definitions and rules of probability; Bayes theorem; random variables and expectation; discrete and continuous distributions; simple stochastic processes.

**Elements of Management Mathematics:** Topics treated include critical path analysis, scheduling, theory of games, linear programming, decision analysis, dynamic programming, replacement, Markov chains, queues and stock control.

**Pre-Requisites:** Students need a basic fluency in mathematical manipulations such as is provided by **Basic Mathematics for Economists** or **Elementary Mathematical Methods**, or equivalent courses elsewhere. An exposure to statistical thinking at the level of **Basic Statistics** or above will also be an advantage (although the relevant material will be covered in SM313(a)). For students who have already studied mathematics and statistics to first year undergraduate specialist level and found them to be not too testing, **Elements of Management Mathematics** will be very restrictive mathematically. They should instead take **Operational Research Techniques and**

**Applications**, where a rather fuller mathematical vocabulary permits the same techniques to be covered in greater depth.

**Teaching Arrangements:** There are two components of the course, each accompanied by a class. They cover the two subdivisions of the syllabus listed above:

Lectures: SM313(i) **Elements of Probability** 10 Michaelmas Term

SM313(ii) **Elements of Management Mathematics** 20 Michaelmas and Lent Terms

Classes: SM313(a) 20 Michaelmas Term, 10 Lent Term

SM313(b) Revision class, 5 Summer Term

Full lecture notes are provided for both components of the course. Exercises are distributed in each lecture, which are discussed in the following weekly class.

**Reading List:** Recommended Books: D. R. Anderson, D. J. Sweeney & T. A. Williams, *An Introduction to Management Science* (West); L. Lapin, *Management Science for Business Decisions* (Harcourt Brace Jovanovich); J. C. Turner, *Modern Applied Mathematics* (English Universities Press); A. M. Arthurs, *Probability Theory* (Routledge Kegan Paul); L. Lapin, *Statistics of Modern Business Decisions* (Harcourt Brace Jovanovich); T. H. Wonnacott & R. J. Wonnacott, *Introductory Statistics* (Wiley).

Students may wish to consult:

S. K. Gupta & J. M. Cozzolino, *Fundamentals of Operations Research for Management* (Holden-Day); M. S. Makower & E. Williamson, *Teach Yourself Operational Research* (English Universities Press).

**Examination Arrangements:** The course is examined by one three-hour formal examination in the Summer Term. The paper is divided into sections; the first (normally containing three questions) covers SM313(i), while the second section (normally six questions) covers SM313(ii). Students are expected to attempt five questions, of which no more than two can be from the first section. Copies of previous years' papers are available.

**SM8351**

**Advanced Mathematical Programming**

**Teacher Responsible:** Professor A. Land, Room S114 (Secretary, Hazel Rice, S108)

**Course Intended Primarily for** M.Sc. (Accounting and Finance) 3 and 4e(ii). M.Sc. (Econometrics and Mathematical Economics) 2, 3 and 4g(ii).

**Scope:** The aim of the course is to take students who may be totally unfamiliar with the subject up to a stage at which they can read at least some of the recent research articles.

**Syllabus:** This course is a combination of the two half-unit courses SM8354 and SM8355 which should be consulted for details.

**SM8354**

**Mathematical Programming I (Half unit course)**

**Teacher Responsible:** Professor A. Land, Room S114 (Secretary, Hazel Rice, S108)

**Course Intended Primarily for** M.Sc. (Operational Research). Also available for M.Sc. (Statistics) II.7.

**Scope:** To cover the use of mathematical programming models in practice, and an introduction to the theory and computational methods.

**Syllabus:** As described under the headings of the lecture courses below.

**Pre-Requisites:** A knowledge of linear algebra sufficient to handle matrix inversion and manipulation of partitioned vectors and matrices. It is NOT necessary to have any previous experience of computers and no computer programming will be called for, although students must be prepared to use computer packages and computer terminals.

**Teaching Arrangements:** SM353 10 × 3-hours Michaelmas Term

SM354 15 Michaelmas and Lent Terms, SM354(a) 15 Michaelmas and Lent Terms

SM356 10 Michaelmas (approximately 6 lectures, 4 classes)

SM353 (also part of the course Techniques of O.R.). Introductory course – formulation of O.R. problems as mathematical programming models, solutions using computer packages, and interpretation of solutions.

SM354 Introduction to theory of linear programming and duality: Simplex algorithm, (primal and dual basis change, Phase I/Phase II, sensitivity, etc.); unimodular models: integer linear programming (ILP) methods (branch and bound, enumeration); some special ILP models.

SM356 Fundamental concepts in graph theory, planar and dual graphs, maximum-minimum problems in networks, matching theory.

**Reading List:** G. B. Dantzig, *Linear Programming and Extensions*; Garfinkel & Nemhauser, *Integer Programming*; G. Hadley, *Linear Programming*; F. Harary, *Graph Theory*; T. C. Hu, *Combinatorial Algorithms*; A. Land & S. Powell, *Fortran Codes for Mathematical Programming*; C. L. Liu, *Introduction to Combinatorial Mathematics*; J. A. Pandy & V. S. R. Murty, *Graph Theory with Applications*; W. L. Price, *Graphs and Networks*; S. Vajda, *Readings in Linear Programming*; S. Zions, *Linear and Integer Programming*.

**Examination Arrangements:** The course will be examined by a two-hour examination. The paper will contain at least five questions of which three must be attempted.

**SM8355**

**Mathematical Programming II (Half unit course)**

**Teacher Responsible:** Dr. S. Powell, Room S105b (Secretary, Hazel Rice, S108)

**Course Intended Primarily for** M.Sc. (Operational Research).

**Scope:** To take students beyond the level of **Mathematical Programming I** to a point at which they can read at least some of the recent research literature.

**Syllabus:** The foundations of mathematical programming; developments in computational methods to take advantage of sparsity: Lagrangean relaxation; introduction to non-linear methods: further ILP methods (cutting planes, heuristic methods); additional special ILP models (e.g. location problems).

**Pre-Requisites: Mathematical Programming I.**

**Teaching Arrangements:** SM355 15 Lent and Summer Terms

SM355(a) 15 Lent and Summer Terms

Lectures: SM355 **Mathematical Programming II.**

Classes: SM355(a) **Mathematical Programming II.**

**Reading List:** V. Chvatal, *Linear Programming*; R. Fletcher, *Practical Methods of Optimization* Vol. I, *Unconstrained Optimization*; D. Gale, *The Theory of Linear Economic Models*; W. Murray, *Numerical Methods for Unconstrained Optimization*; L. C. W. Dixon, E. Spedicato & G. P. Szego, *Nonlinear Optimization*; S. Vajda, *Theory of Linear and Non-Linear Programming*.

**Examination Arrangements:** The course will be examined by a two-hour examination. The paper will contain at least five questions of which three must be attempted.

### SM8356

#### Transport Models

**Teacher Responsible:** Dr. S. Powell, Room S105b (Secretary, Hazel Rice, S108)

**Course Intended Primarily for** M.Sc. Operational Research.

**Scope:** The course introduces students to the use and limitations of operational research and model-building in transport planning.

**Syllabus:** Transport Economics: consumer surplus, peak load pricing, congestion, urban transport models, queuing theory and traffic problems, demand analysis and forecasting. Valuation of Intangibles: how can money values be assessed for factors not bought or sold? E.g. time, recreation, health and pollution. Cost Benefit Analysis: Cost benefit analysis as applied welfare economics and as a methodology for aiding decision making in the public sector. Methods of valuing costs and benefits, social discounting and inter-personal comparison. Examples. Introduction to Operational Research in Transport: Various types of problems in both private and public transport to which operational research has been applied will be described. There will be a particular emphasis on models of traffic behaviour and public transport operation.

**Distribution and Scheduling:** applications of scientific techniques to the practical problems of siting, routing, scheduling and control. Graph Theory: fundamental concepts in graph theory, planar and dual graphs, maximum-minimum problems in networks. **Pre-Requisites:** A knowledge of mathematics and statistics to the level of the courses **Elementary Mathematics Methods** and **Elementary Statistical Theory** of the Part I examination of the B.Sc. (Econ.). An elementary knowledge of basic O.R. techniques and economic concepts is essential.

**Teaching Arrangements:** SM356 10 Michaelmas Term SM379 5 Michaelmas Term

Ecl50 10 Lent Term SM373 5 Lent Term SM375 5 Lent Term SM376 5 Lent Term

**Reading List:** No one book covers the entire syllabus. Students are recommended to read the following: S. Glaister, *Fundamentals of Transport Economics*, Basil

Blackwell; I. Heggie, *Transport Engineering Economics*, McGraw-Hill; D. R. Cox & W. L. Smith, *Queues*; A. A. Walters & D. L. Munby, *Readings in the Economics of Transport*; W. J. Baumol & D. F. Bradford, *American Economic Review*; T. A. Domencich & D. McFadden, *Urban Travel Demand*; S. Eilon, C. D. T. Watson-Gandy & N. Christofides, *Distribution Management*; J. A. Bondy & U. S. R. Murty, *Graph Theory with Applications*; R. Layard (Ed.), *Cost Benefit Analysis*, Penguin Books 1972; P. Dasgupta, A. Sen & S. Marglin, *Guidelines for Project Evaluation*, U. N.; I. M. D. Little & J. A. Mirrlees, *Project Appraisal, and Planning for Developing Countries*; D. W. Pearce (Ed.), *The Valuation of Social Cost*, Allen and Unwin 1972.

**Examination Arrangements:** There is a three-hour formal examination in the Summer Term based on the full syllabus. The examination paper is made up of three sections each containing three questions. Students are expected to answer four questions from any one section. It is important to answer four questions: no credit is given for a fifth answer, and one quarter of the marks are awarded for each of the four answers. On the other hand it is not necessary to answer fully all parts of a question to obtain a "better than bare pass" mark on it. Copies of previous year's papers are available. The three sections on the examination paper are made up of the following questions: Section A: two questions on Distribution and Scheduling, one question on Graph Theory, one question on Introduction to Operational Research in Transport. Section B: three questions on Transport Economics Treated Mathematically. Section C: three questions on Valuation of Intangibles and Cost Benefit Analysis.

### SM8357

#### Urban Models

(Not available 1985-86)

**Teacher Responsible:** Jonathan Rosenhead, Room S113 (Secretary, Hazel Rice, S108)

**Course Intended Primarily for** M.Sc. (Operational Research) for which this constitutes a half-unit paper. Some elements also relevant to M.Sc. (Regional and Urban Planning Studies).

**Scope:** The course is intended to give an introduction to the potential and limitations of formal modelling for urban planning. Specific techniques, both 'hard' and 'soft', from operational research are described. In addition an introduction is given both to issues in urbanisation and urban policy, and to relevant aspects of economics.

**Syllabus: Planning and design methods:** the debates on planning theory, and on design methods, with special attention to the limitations of holistic methods; creativity versus quantitative methods; Alexander's method, the strategic choice approach (AIDA) and robustness analysis as methods which transcend some of the obstacles. The presentations will attempt to be provocative rather than definitive, and discussion will be encouraged. Lecture notes are provided for the more formal subject matter.

**Land use models:** simulation and optimisation models for the allocation of activities to land.

**Facility location:** mathematical models, mostly optimising, for the location of one or more facilities in 1 or 2-dimensional space; application to the location of warehouses, emergency services and health facilities; and to electoral redistricting.

**Contemporary urbanisation and the policy process:** material contributed by the Department of Geography.

**Elements of urban and regional economics** (first three sessions): industrial and residential location decisions; the determination of urban rents and land values; the structure of the urban area; the urban labour market.

**Cost-benefit analysis:** as applied welfare economics and as a methodology for aiding decision-making in the public sector. Methods of valuing costs and benefits, social discounting and inter-personal comparison. Examples.

**Teaching Arrangements:** SM367 10 Lent Term

SM378 5 Michaelmas Term

SM372 5 Lent Term

SM383 5 Lent Term

Ec400 3 × 1½ hours Michaelmas Term

SM375 5 Lent Term

**Reading List:** No one book covers the entire syllabus, even for one of the component courses. Students are advised to purchase: A. Faludi (Ed.), *Reader in Planning Theory*, Pergamon; J. K. Friend & W. N. Jessop, *Local Government and Strategic Choice*, Pergamon; R. Layard (Ed.), *Cost Benefit Analysis*. Students will find it useful to consult: C. Alexander, *Notes on the Synthesis of Form*, Harvard University Press; M. Batty, *Urban Modelling*, Cambridge University Press; E. J. Beltrami, *Models for Public Systems Analysis*, Academic Press; M. M. Camhis, *Planning Theory and Philosophy*, Tavistock; P. Dasgupta, A. Sen, & S. Marglin, *Guidelines for Project Evaluation*; B. Fay, *Social Theory and Political Practice*, Allen & Unwin; M. Greenberger, M. A. Crenson & B. L. Crissey, *Models in the Policy Process*, Russel Sage; A. J. Harrison, *Economics of Land Use Planning*; C. Lee, *Models in Planning*, Pergamon; I. M. D. Little & J. A. Mirrlees, *Project Appraisal and Planning for Developing Countries*; I. S. Lowry, *A Model of Metropolis*, Rand; B. Massam, *Location and Space in Social Administration*, Arnold; C. E. Pinkus & A. Dixon, *Solving Local Government Problems*, Allen & Unwin; A. Sandberg, *The Limits to Democratic Planning*, Liberforlag; A. J. Scott, *The Urban Land Nexus and the State*, Pion.

**Examination Arrangements:** There is a three-hour formal examination in the Summer Term. There will be questions relating to the material in each lecture course, but the precise breakdown has still to be decided. The questions are of essay type and do not require the development of mathematical proofs etc. Candidates are told to answer three questions.

### SM8358

#### Workshop on Urban and Transport Models

**Teacher Responsible:** Dr. S. Powell, Room S105b (Secretary, Hazel Rice, S108)

**Course Intended Primarily for** M.Sc. (Operational Research).

**Scope:** A practical course in quantitative model-building which includes an explanatory lecture course. **Syllabus:** Traffic generation, distribution, modal split and assignment models; models combining these. Evaluation of transport projects.

**Pre-Requisites:** A knowledge of mathematics and statistics to the level of courses **Elementary Mathematical Methods** and **Elementary Statistical Theory** of the Part I examination of the B.Sc. (Econ.). An elementary knowledge of basic O.R. techniques and economic concepts is essential.

**Teaching Arrangements:**

SM371: The course starts in the sixth week of the Michaelmas Term and comprises five two-hour sessions followed by ten 1½ hour sessions in the Lent Term. The Michaelmas Term consists entirely of lectures. The practical sessions based on projects undertaken by the students will be in the Lent Term. Lecture notes and introductory reading lists are provided. There will be an opportunity to meet O.R. practitioners in various urban and transport applications. During the workshop students will be expected to make two class presentations, one at the formulation stage of their project and the second at its completion. Tutorials will be given to individuals or groups of students to assist them in their project work.

**Reading List:** No one book covers the entire syllabus. Students are recommended to read the following: I. Heggie, *Transport Engineering Economics*, McGraw-Hill; R. Lane, T. J. Powell & P. Prestwood-Smith, *Analytical Transport Planning*, Duckworth; P. R. Stopher & A. H. Meyburg, *Urban Transportation Modelling and Planning*.

**Examination Arrangements:** All of the assessment of the course is based on the project, which is started towards the end of the Michaelmas Term for completion by the start of the Summer Term. The project is marked on presentation as well as content.

### SM8359

#### Public Policy Analysis

**Teacher Responsible:** Jonathan Rosenhead, Room S113 (Secretary, Hazel Rice, S108)

**Course Intended Primarily for** M.Sc. in Operational Research (for which it contributes the equivalent of two half-unit papers).

**Scope:** This course is concerned with the methodologies relevant to the analysis of policy issues, and to the determination of priorities in public resource allocation. The first term will explore in general terms (though with examples of both techniques and application areas) the ways in which quantitative analysis impinges on decision-making by governmental agencies. The remainder of the course will be based on case studies drawn from actual examples of social planning at national and local levels.

**Pre-Requisites:** None.

**Teaching Arrangements:** Weekly two-hour seminars for 25 weeks throughout the session (SA152). The seminars are shared with students taking the paper in **Social Planning** (SA6631). During the Michaelmas Term the seminars will be introduced by one of the teachers. During the rest of the session students will present papers.

Reading List: The following are some key texts but a comprehensive reading list will be handed out with the programme of seminar topics. D. Piachaud & J. Midgley (Eds.), The Fields and Methods of Social Planning; J. K. Friend & J. Jessop, Local Government and Strategic Choice; H. Glennerster, Planning for the Priority Groups; M. Greenberger, M. A. Crenson & B. L. Griskey, Methods in the Policy Process; C. E. Pincus & A. Dixon, Solving Local Government Problems; M. Carley, Rational Techniques in Policy Analysis.

Examination Arrangements: There is a three-hour formal written examination in June on which 50% of the assessment of the course is based. Three questions must be answered. The remainder of the assessment of the course is based on an extended essay, the topic of which must be agreed with the course teachers.

Public Policy Analysis  
The course is based on the analysis of public policy. The first part of the course will examine the process of policy formation. The second part will examine the implementation of policy. The third part will examine the evaluation of policy. The course will be taught by a combination of lectures, seminars and practical exercises. The course is designed for students who are interested in public policy and who wish to develop their analytical skills. The course will be taught by a combination of lectures, seminars and practical exercises. The course is designed for students who are interested in public policy and who wish to develop their analytical skills.

Workshop on Urban and Transport Models  
The course is based on the analysis of public policy. The first part of the course will examine the process of policy formation. The second part will examine the implementation of policy. The third part will examine the evaluation of policy. The course will be taught by a combination of lectures, seminars and practical exercises. The course is designed for students who are interested in public policy and who wish to develop their analytical skills. The course will be taught by a combination of lectures, seminars and practical exercises. The course is designed for students who are interested in public policy and who wish to develop their analytical skills.

### SEA-USE COURSE

This section is in two parts. The first part lists the lectures and seminars given by the department. The list provides a cross reference to the Study Guide(s) in which the syllabus and the reading list associated with the lecture or seminar can be found. The second part contains the Study Guides, presented in Study Guide number sequence.

#### Lectures and Seminars

Lecture/  
Seminar  
Number

Study Guide  
Number  
SU4550

#### National and International Problems in Sea-Use Policy Making

Professor D. C. Watt

SU4550

#### Sea-Use Course Study Guide

##### National and International Problems in Sea-Use Policy Making

Teacher Responsible: Professor D. C. Watt Secretary, Mrs. V. Kannor, E402)

Course Intended Primarily for M.Sc. Sea-Use Law, Economics and Policy Making.

Teaching Arrangements to be notified at the start of the session.

Table with multiple columns containing course details, including titles like 'Applied Social Research', 'Applied Economics', 'Applied Statistics', and 'Applied Law', along with associated numbers and descriptions.

## Subject Index for Study Guides

Abnormal Psychology	Ps113
Accounting	Ac114 <i>et seq</i>
Accounting History	Ac1121
Accounting Information Systems	Ac1021, Ac1120
Accounting for Non-Specialists	Ac2150
Accounting and Law	Ac1121
Actuarial Science – Accounting and Investment	Ac1001
Administrative Law	LL5115
Administration, Public	Gv4160
Administration, Theory and Practice	Gv3035
Adult Development	Ps5527, Ps6418
Africa, International Politics	IR4663
Agrarian Transition	Gy2820
Agriculture	Gy1921
Air Transport and Airports	Gy1942
Algebra	SM7001, SM7040
Alienation	Ps5528, Ps6415
America <i>see also</i> USA, North America, Latin America	
America, Foreign Relations of	Hy3526
American History, 1815-1872	Hy4470
Analysis and Set Theory	SM7002, SM7030
Analysis, Time Series	Ec2561, SM8259
Analysis of Variance	SM7241, SM7250
Anarchism, 1860's to 1918	Hy4575
Annuities	SM7261
Anthropology	An1200 <i>et seq</i>
Anthropology of Law	LL5138
Anthropological Linguistics	An1331
Anthropology of Religion	An1302, An2212
Appeasement, Period of 1937-1939	Hy4515
Applied Abstract Analysis	SM7060, SM8001
Applied Econometrics	Ec2411, Ec2550
Applied Social Research	SA153, SA153a
Arms Limitation	IR139, IR140, IR171
Asia and the Pacific, International Politics of	IR4662
Assurances	SM7261
Attitude Scaling	SM7231
Attitude Theory	Ps5501
Auditing	Ac1121
Aviation	Ec2432
Balance of Payments	Ec1450
Balkans, 1908-14, The	Hy3556
Balkans – Politics	Gv3055, Gv4060
Banking	Ec450, Ec1514
BASIC – for Accountants	Ac114
Bayesian Statistics	SM7216, SM8204
Biogeography	Gy1842
Brazil, Development	EH147
Brazil, History	EH147
Britain, Administration of	Gv3035
Britain, Cabinet Government	Gv3028
Britain, Constitution	Gv3010
Britain, Economic History of	EH1600, EH1740, EH2655
Britain, Foreign Relations of	Hy3526
Britain, History of	Hy3420
Britain: History, 15th & 18th Century	Hy3426
Britain, History 1603-1760	Hy3429
Britain, Political History of	Gv3020
Britain, Politics and Government of	Gv3010
Britain Since 1830 – Family and Community in	EH1631

British Constitution	Gv3029, Gv4026
British History	EH1630, EH2700, Id4222
British History from c 1750	Hy3435
British History, 1760-1914	Hy3432
British History, 1815-1872	Hy4470
British Isles	Gy1829, Gy1876
British Politics	Gv3029, Gv4026, Gv4027
British Politics, History of	Gv3021
British Social Policy	SA6615
Built Environment	Gy2820
Bureaucracy	Gv4160
Bureaucracy and Government	Gv3035
Business Associations, Law of	LL5111
Business Law	LL6061
Business, History	EH1660
Business Decisions, Theory of	Ec1453
Business Finance	Ac120
Business Taxation Law	LL6100
Cabinet Government (British)	Gv3028
Capital Formation	Ec1450
Capital Markets	Ec450, Ec1450, Ec2437
Carriage of Goods by Sea	LL6140
Cartography	Gy1950, Gy1951, Gy2825
Categorical Data	SM8257
Category Theory	SM7041
Child Development	Ps5405, Ps5521, Ps5526, Ps6414
China	Hy3562, Hy3583, Hy4490, Hy4525
Cities	Gy1801
Civil Liberties, Law of	LL5130
Civil Litigation, Principles of	LL6010
Civil Service	Gv3010, Gv4160
Climatology	Gy1843
Clinical Judgement	Ps5421
Cobden, Free Trade and Europe, 1846-1882	Hy4482
Cognition	Ps5422
Cognitive Structures	Ps5522
Cold War	IR186
Combinatorial Optimization	SM8346
Comintern and its Enemies, 1919-1943	Hy4510
Commercial Law	LL5060, LL5110
Common Market	Ec2515, Ec2516
Communication, Mass Media, Social Change	Ps5531, Ps6416
Communications	SM7320
Communism	Gv246
Communist Powers, International Politics, The	IR4661
Company Law	LL6076
Comparative Administrative Systems	Gv4160
Comparative Constitutional Law I	LL6150
Comparative Criminal Law and Procedure	LL6120
Comparative Economic Systems	Ec1454
Comparative European Social Structures	So6969
Comparative Family Law	LL6018
Comparative Government	Gv4065
Comparative Government and Administration	Gv3035, Gv4160, Gv4162
Comparative Political Analysis	Gv3046
Comparative Political Institutions	Gv3047
Comparative Sociology	So5820, So5830, So6962, So6963
Compound Interest	SM7260
Computing	SM7300, SM7320, SM7321, SM7322, SM7331, SM8300, SM8301, SM8302, SM8303
Computing, Data	SM7301
Computing for Demographers	Pn159
Computing in Geography	Gy1816, Gy1857
Conflict Analysis	IR4621

Conflict of Laws LL5114  
Conflict, Violence and War An1341  
Conservatism Gv3026, Gv4028  
Constitution, British Gv3029, Gv4026  
Consumer Theory Ec2404  
Contemporary Strategic Studies IR172  
Contract, Law of LL5001  
Corporate Groups LL6061  
Corporations LL6061  
Cost Benefit Analysis Ec2510  
Courtroom Ps5529, Ps6417  
Criminal Law LL5040  
Criminology LL5170, LL6121, LL6122, LL6126, So5919  
Crowds Ps5523  
Data Analysis Gy1816, Gy1857, SA113, SA159, SA163  
Data Analysis in Politics Gv215  
Data Collection Pn8101  
Data Processing SM7322, SM8300, SM8303  
Data Structures SM7300, SM7320  
Decision Analysis Ps6419, SM7216, SM8204  
Decision Making Gy2822, Ps5501, Ps6419  
Decision Support Systems Ps6419  
Decisions, Business Ec1453  
Decremental Rates SM7260  
Decremental Tables SM7261  
Demographic Transition Pn7122, Pn8102  
Demography Pn7120, Pn7123, Pn7124, Pn7125, Pn7126  
Depression Ps5524  
Developing Countries Ec1521, Gv4122, SA6740, SA6742, SA6744, SA6760, SA6762, SA6763, SM8306  
Developing Countries, Education SA6745, SA6765  
Developing Societies SA6741  
Development An1330, LL6061, So5882, So6831  
Development Administration Gv4122  
Development Economics Ec2440  
Development Planning Ec1527  
Development Psychology Ps5405, Ps5521, Ps5526, Ps6414  
Development, Rural SA6743, SA6764  
Development, Third World EH2790  
Deviance SA5734, So184, So6881  
Deviant Behaviour So5920  
Diplomacy, History of Hy4428, Hy4431  
Diplomatic History, 1814-1957  
Disarmament IR139, IR140, IR171  
Discounting SM7260  
Distribution Theory SM7220  
Domestic Relations LL5118  
Dynamic Economics Ec2420  
Earnings Ec2465  
Eastern Europe Politics Gv3055, Gv4060  
East European Law LL6176  
Econometric Theory Ec450, Ec2561  
Econometrics Ec1561, Ec1575, Ec2411, Ec2550, Ec2551, Ec2563  
Economic Analysis Ec1506, Ec2495  
Economic Analysis of Law LL5136, LL6030  
Economic Development Ec1521  
Economic Development, Latin America EH1644, EH2715  
Economic Geography Gy1824, Gy1920, Gy2823  
Economic History EH111 *et seq*  
Economic History, USA EH1641, EH2615, EH2660  
Economic Methodology Ec2455  
Economic Planning (East and West) Ec1454  
Economic Policy Ec1420, Gv3036  
Economic Principles Ec1425

Economic Theory, Advanced Ec2420  
Economic Theory, Introduction Ec1400  
Economic Thought Ec1540, Ec2425  
Economics Ec234 *et seq*  
Economics, Introductory Ec1430  
Economics of Development Ec2440  
Economics of Industry Ec1451, Ec1541, Ec2436  
Economics of Investment and Finance Ec1542, Ec2428  
Economics of the Labour Market Id3222  
Economics (for Sea-Use M.Sc.) Ec2520  
Economics of Planning Ec1527, Ec2442  
Economics of Risk and Uncertainty Ec1453  
Economics of Social Security and Social Services Ec1543  
Economics of Technological Change Ec2470  
Economics of Transport Ec1544, EH2701  
Economics Treated Mathematically Ec1426  
Economics of the Welfare State Ec1543  
Economy Pn7100  
Ecosystem Gy1812  
Educational Planning SM8214, SM8260  
Education, Social Implications of SA6745, SA6765  
Educational Policy SA6644  
Educational Policy and Administration SA5730  
Elections Gv3010  
Elementary Economic Theory Ec1400  
Empirical Economics Ec1500  
Employment Law LL162, LL5062, LL5112, LL6110, LL6112  
Energy Gy1943, Gy2822  
Energy Resources IR4644  
England EH1620, EH1720, EH1770, EH2600, EH2640, Pn7121  
England, Economic History of EH2605  
England, History 1399-1603 Hy3423  
England, Economic and Social History of EH1626  
English Legal Institutions LL5020  
English Legal Systems LL5000  
English Speech Ln601  
Enterprises LL6100  
Environment Gy1808  
Environmental Assessment Gy1942  
Environmental Change Gy1962  
Environmental Management Gy1943  
Environmental Planning Gy1942  
Environmental Policy Gy2822  
Environmental Problems Gy2822  
Epistemology Ps5501  
Epistemology and Metaphysics Ph5310  
Equity LL5105  
Ethics of War IR3755  
Ethnic Minority Group Relations SA5754  
Ethnicity and Race SA5754  
Ethnography An1202, An1312, An1317, An1318  
Europe Ec2515, Ec2516, Gy1877  
Europe, History of Hy3450  
Europe, International Politics, 1900-45 Hy4580  
Europe, Reshaping of 1943-57 Hy3540  
Europe, Western, Politics Gv226  
Europe, Western, Public Policy Gv4165  
European Community Competition Law LL6031  
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 Steuer, Mr. M. D.: Ec411, Ec412, Ec1520, Ec2440, Ec2495.  
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