

The London School of Economics and Political Science *Calendar 1971-72*



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

## Calendar 1971-72

- 1. The University of London
- 2. The London School of Economics and Political Science
- 3. The Institute of Economics and Statistics
- 4. The Institute of Social Studies
- 5. The Institute of Public Administration
- 6. The Institute of Economics and Statistics
- 7. The Institute of Social Studies
- 8. The Institute of Public Administration
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- 49. The Institute of Social Studies
- 50. The Institute of Public Administration



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Part I: General Information

All the above publications are issued free, except the Calendar of the School.

Postal Address: Houghton Street, Aldwych, London, WC2A 2AE

Telephone Number: 01-405 7686

Telegrams: Poleconics, London, W.C.2

**Office Hours for Enquiries:**

*Registry* (Room H310) and *Timetabling Office* (Room H306)  
Monday, Tuesday, Thursday, Friday: 10.30 a.m. to 12.30 p.m.  
2.0 p.m. to 4.30 p.m.  
Wednesday: 10.30 a.m. to 12.30 p.m.

*Undergraduate Admissions Office* (Room H301)  
Monday to Friday: 2.0 p.m. to 4.30 p.m.

*Graduate School Office* (Room H203)  
Monday, Tuesday, Thursday, Friday: 10.30 a.m. to 12.30 p.m.  
2.0 p.m. to 4.30 p.m.  
Wednesday: 10.30 a.m. to 12.30 p.m.

*Graduate Admissions Office* (Room H205)  
Monday to Friday: 2.0 p.m. to 4.30 p.m.

**Official Publications:**

Calendar of the School, obtainable from The Economists' Bookshop, Clare Market,  
Portugal Street, London, WC2A 2AB. £1.50 plus postage

Annual Report by the Director on the Work of the School

Handbook of Undergraduate Courses

The Graduate School

General Course Registration

Department of Anthropology

Department of Statistics, Mathematics, Computing and Operational Research

Diploma in Development Administration

Department of Social Science and Administration

Diploma in Personnel Management

Trades Union Studies

Graduate Studies in Politics

Graduate Studies in Social Psychology

Regional and Urban Planning Course

All the above publications are issued free, except the Calendar of the School.

**Dates of Terms**

**Session 1971-72**

**Michaelmas Term:** Monday, 4 October to Tuesday, 14 December 1971 (Teaching begins Wednesday, 6 October)

**Lent Term:** Monday, 10 January to Friday, 17 March 1972

**Summer Term:** Monday, 24 April to Friday, 30 June 1972

**Session 1972-73**

**Michaelmas Term:** Monday, 2 October to Tuesday, 12 December 1972 (Teaching begins Wednesday, 4 October)

**Lent Term:** Monday, 8 January to Friday, 16 March 1973

**Summer Term:** Monday, 23 April to Friday, 29 June 1973

## Calendar 1971-72

(University functions in italics)

### September 1971

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

## Calendar 1971-72

### October 1971

1	F	
2	S	
<hr/>		
3	S	
4	M	<b>School Michaelmas Term begins.</b> Building Committee, 5 p.m.
5	Tu	Standing Committee, 5.45 p.m.
6	W	<i>University Michaelmas Term begins.</i> Standing Sub-Committee of the Appointments Committee, 2 p.m. Graduate School Committee, 4.30 p.m.
7	Th	
8	F	
9	S	
<hr/>		
10	S	
11	M	Meeting of Professors of Economics, 2 p.m.
12	Tu	Publications Committee, 11 a.m. Safety Committee, 4 p.m.
13	W	General Purposes Committee, 2 p.m. <i>Board of Studies in Economics</i> , 2.30 p.m. <i>Higher Degrees Sub-Committee of the Board of Studies in Economics</i> , 4 p.m. Library Committee, 4.30 p.m. Athletics Committee, 4 p.m.
14	Th	
15	F	
16	S	
<hr/>		
17	S	
18	M	Student Health Service Committee, 4.15 p.m.
19	Tu	Committee on Undergraduate Studies
20	W	
21	Th	
22	F	
23	S	
<hr/>		
24	S	
25	M	Academic Policy Committee, 2 p.m.
26	Tu	Admissions Committee, 10 a.m.
27	W	Appointments Committee, 2 p.m. Graduate School Committee, 4.30 p.m.
28	Th	
29	F	
30	S	
<hr/>		
31	S	



Calendar 1971-72

November, 1971

1	M	Meeting of Professors of Economics, 2 p.m. Building Committee, 5 p.m.
2	Tu	Standing Committee, 5.45 p.m.
3	W	Academic Board, 2 p.m. Research Committee, 4.30 p.m.
4	Th	Accommodation Committee, 4 p.m.
5	F	Committee on the Welfare of Overseas Students, 2 p.m.
6	S	
<hr/>		
7	S	
8	M	Refectory Advisory Committee, 4 p.m.
9	Tu	
10	W	Scholarships and Prizes Committee, 11 a.m. Standing Sub-Committee of the Appointments Committee, 2 p.m. Library Committee, 4.30 p.m.
11	Th	
12	F	
13	S	
<hr/>		
14	S	
15	M	Student Health Service Committee, 4.15 p.m.
16	Tu	Staff Research Fund Committee, 4.30 p.m.
17	W	Conference Grants Sub-Committee, 12 noon
18	Th	
19	F	
20	S	
<hr/>		
21	S	
22	M	
23	Tu	
24	W	Appointments Committee, 2 p.m.
25	Th	
26	F	
27	S	
<hr/>		
28	S	
29	M	Academic Policy Committee, 2 p.m.
30	Tu	Admissions Committee, 10 a.m.

Calendar 1971-72

December 1971

1	W	General Purposes Committee, 2 p.m. <i>Board of Studies in Economics</i> , 2.30 p.m. <i>Higher Degrees Sub-Committee of the Board of Studies in Economics</i> , 4 p.m. Research Committee, 4.30 p.m.
2	Th	
3	F	
4	S	
<hr/>		
5	S	
6	M	Meeting of Professors of Economics, 2 p.m. Building Committee, 5 p.m.
7	Tu	Publications Committee, 11 a.m. Standing Committee, 5.45 p.m. Committee on Undergraduate Studies
8	W	Academic Board, 2 p.m. Graduate School Committee, 4.30 p.m.
9	Th	
10	F	
11	S	Children's Party, 3.30 p.m.
<hr/>		
12	S	
13	M	
14	Tu	<b>School Michaelmas Term ends.</b> Committee of Management of the Eileen Power Memorial Fund, 12 noon
15	W	<i>University Michaelmas Term ends</i>
16	Th	Meeting of Court of Governors, 5 p.m.
17	F	
18	S	
<hr/>		
19	S	
20	M	
21	Tu	
22	W	School buildings close for Christmas holiday, 9.30 p.m.
23	Th	
24	F	
25	S	Christmas Day
<hr/>		
26	S	Boxing Day
27	M	
28	Tu	
29	W	
30	Th	School buildings re-open, 9.30 a.m.
31	F	

Calendar 1971-72

January 1972

1	S	
2	S	
3	M	
4	Tu	
5	W	
6	Th	
7	F	
8	S	
9	S	
10	M	<b>School Lent Term begins</b>
11	Tu	Standing Committee, 5.45 p.m.
12	W	<i>University Lent Term begins.</i> Standing Sub-Committee of the Appointments Committee, 2 p.m. Graduate School Committee, 4.30 p.m.
13	Th	
14	F	
15	S	
16	S	
17	M	Meeting of Professors of Economics, 2 p.m.
18	Tu	Admissions Committee, 10 a.m.
19	W	General Purposes Committee, 2 p.m. <i>Board of Studies in Economics</i> , 2.30 p.m. <i>Higher Degrees Sub-Committee of the Board of Studies in Economics</i> , 4 p.m. Library Committee, 4.30 p.m.
20	Th	Safety Committee, 4 p.m.
21	F	
22	S	
23	S	
24	M	Student Health Service Committee, 4.15 p.m. Committee on Undergraduate Studies
25	Tu	
26	W	
27	Th	Athletics Committee, 4 p.m.
28	F	
29	S	
30	S	
31	M	Academic Policy Committee, 2 p.m.

Calendar 1971-72

February 1972

1	Tu	
2	W	Appointments Committee, 2 p.m. Research Committee, 4.30 p.m.
3	Th	Accommodation Committee, 4 p.m.
4	F	
5	S	
6	S	
7	M	Building Committee, 5 p.m.
8	Tu	Standing Committee, 5.45 p.m.
9	W	Scholarships and Prizes Committee, 11 a.m. Academic Board, 2 p.m. Standing Sub-Committee of the Appointments Committee, 4.30 p.m.
10	Th	
11	F	
12	S	
13	S	
14	M	Meeting of Professors of Economics, 2 p.m.
15	Tu	
16	W	Standing Sub-Committee of the Appointments Committee (all day)
17	Th	
18	F	Committee on the Welfare of Overseas Students, 2 p.m.
19	S	
20	S	
21	M	
22	Tu	Admissions Committee, 10 a.m. Publications Committee, 11 a.m. Investments Committee, 5 p.m.
23	W	Conference Grants Sub-Committee, 12 noon. Library Committee, 4.30 p.m.
24	Th	
25	F	
26	S	
27	S	
28	M	Refectory Advisory Committee, 4 p.m.
29	Tu	

Calendar 1971-72

March 1972

1	W	Appointments Committee, 2 p.m. Graduate School Committee, 4.30 p.m.
2	Th	
3	F	
4	S	
5	S	
6	M	Academic Policy Committee, 2 p.m. Building Committee, 5 p.m. Committee on Undergraduate Studies
7	Tu	Standing Committee, 5.45 p.m. Graduands' Reception, 6.30 p.m.
8	W	<i>Presentation Day.</i> General Purposes Committee, 2 p.m. <i>Board of Studies in Economics</i> , 2.30 p.m. <i>Higher Degrees Sub-Committee of the Board of Studies in Economics</i> , 4 p.m. Staff Research Fund Committee, 4.30 p.m.
9	Th	Athletics Committee, 4 p.m.
10	F	
11	S	
12	S	
13	M	Meeting of Professors of Economics, 2 p.m.
14	Tu	
15	W	Academic Board, 2 p.m. Research Committee, 4.30 p.m.
16	Th	
17	F	<b>School Lent Term ends</b>
18	S	
19	S	
20	M	
21	Tu	
22	W	<i>University Lent Term ends</i>
23	Th	Meeting of Court of Governors, 5 p.m.
24	F	
25	S	
26	S	
27	M	
28	Tu	Admissions Committee, 10 a.m.
29	W	School buildings close for Easter holiday, 9.30 p.m.
30	Th	
31	F	Good Friday

Calendar 1971-72

April 1972

1	S	
2	S	Easter Sunday
3	M	Easter Monday
4	Tu	
5	W	
6	Th	School buildings re-open, 9.30 a.m.
7	F	
8	S	
9	S	
10	M	
11	Tu	
12	W	
13	Th	
14	F	
15	S	
16	S	
17	M	
18	Tu	
19	W	
20	Th	
21	F	
22	S	
23	S	
24	M	<b>School Summer Term begins</b>
25	Tu	
26	W	<i>University Summer Term begins.</i> Graduate School Committee, 2 p.m. Standing Sub-Committee of the Appointments Committee, 4 p.m.
27	Th	
28	F	
29	S	
30	S	

Calendar 1971-72

May 1972

1	M	Meeting of Professors of Economics, 2 p.m. Building Committee, 5 p.m. Committee on Undergraduate Studies
2	Tu	Standing Committee, 5.45 p.m.
3	W	General Purposes Committee, 2 p.m. <i>Board of Studies in Economics</i> , 2.30 p.m. <i>Higher Degrees Sub-Committee of the Board of Studies in Economics</i> , 4 p.m. Library Committee, 4.30 p.m.
4	Th	Accommodation Committee, 4 p.m. Safety Committee, 4 p.m.
5	F	Committee on the Welfare of Overseas Students, 2 p.m.
6	S	
7	S	
8	M	Student Health Service Committee, 4.15 p.m.
9	Tu	Graduands' Reception, 6.30 p.m.
10	W	<i>Presentation Day</i> . Scholarships and Prizes Committee, 11 a.m. Appointments Committee, 2 p.m. Research Committee, 4.30 p.m.
11	Th	
12	F	
13	S	
14	S	
15	M	Academic Policy Committee, 2 p.m. Refectory Advisory Committee, 4 p.m.
16	Tu	Admissions Committee, 10 a.m.
17	W	
18	Th	Athletics Committee, 4 p.m.
19	F	
20	S	
21	S	Whit Sunday
22	M	Meeting of Professors of Economics, 2 p.m.
23	Tu	
24	W	Academic Board, 2 p.m.
25	Th	
26	F	
27	S	
28	S	
29	M	Spring holiday
30	Tu	
31	W	General Purposes Committee, 2 p.m. <i>Board of Studies in Economics</i> , 2.30 p.m. <i>Higher Degrees Sub-Committee of the Board of Studies in Economics</i> , 4 p.m. Library Committee, 4.30 p.m.

Calendar 1971-72

June 1972

1	Th	
2	F	
3	S	
4	S	
5	M	Academic Policy Committee, 2 p.m. Building Committee, 5 p.m.
6	Tu	Publications Committee, 11 a.m. Standing Committee, 5.45 p.m.
7	W	Standing Sub-Committee of the Appointments Committee, 2 p.m.
8	Th	
9	F	
10	S	Open Day
11	S	
12	M	
13	Tu	Investments Committee, 5 p.m.
14	W	Conference Grants Sub-Committee, 12 noon. Academic Board, 2 p.m. Research Committee, 4.30 p.m.
15	Th	Athletics Committee, 4 p.m.
16	F	
17	S	
18	S	
19	M	Meeting of Professors of Economics, 2 p.m.
20	Tu	
21	W	
22	Th	
23	F	
24	S	
25	S	
26	M	
27	Tu	
28	W	Appointments Committee, 2 p.m. Graduate School Committee, 4.30 p.m.
29	Th	Meeting of Court of Governors, 5 p.m. Cocktail Party, 6 p.m.
30	F	<b>School Summer Term ends.</b> Reunion Dinner, 7 for 7.30 p.m.

1	S	
2	S	
3	M	Building Committee, 5 p.m.
4	Tu	Standing Committee, 5.45 p.m.
5	W	University Summer Term ends
6	Th	
7	F	
8	S	
9	S	
10	M	
11	Tu	
12	W	
13	Th	
14	F	
15	S	
16	S	
17	M	
18	Tu	
19	W	
20	Th	
21	F	
22	S	
23	S	
24	M	
25	Tu	
26	W	
27	Th	
28	F	
29	S	
30	S	
31	M	

## The Court of Governors

### Chairman:

The Right Hon. Lord Robbins, C.H., C.B., M.A., B.SC.ECON., D.SC.ECON., D.LITT., L.H.D., LL.D., DR.LAWS, DR.UNIV.YORK, DR.R.C.A., DR.CIENC., F.B.A.

### Vice-Chairman:

<sup>1</sup>Morris Finer, Q.C., LL.B.

### Secretary to the Court of Governors:

The Director: Sir Walter Adams, C.M.G., O.B.E., B.A., LL.D.

W. M. Allen, B.SC.ECON., M.A.  
 W. C. Anderson, C.B.E., LL.B.  
 C. H. Barclay, F.C.A.  
 Mrs. June Wedgwood Benn, M.A.  
 R. E. Bird, C.B.E., B.SC.ECON.  
 Baroness Birk, B.SC.ECON.  
 J. O. Blair-Cunynghame, O.B.E., LL.D., D.SC.  
<sup>2</sup>G. H. Bolsover, O.B.E., C.B.E., M.A., PH.D.  
<sup>3</sup>G. C. Brunton, B.SC.ECON.  
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 Sir Sydney Caine, K.C.M.G., B.SC.ECON., LL.D.  
 Sir Alexander Cairncross, K.C.M.G., M.A., PH.D., LL.D., D.LITT., F.B.A.  
<sup>3</sup>W. H. B. Carey, B.SC.ECON., F.C.A.  
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 Sir Paul Chambers, K.B.E., C.B., C.I.E., B.COM., M.SC.ECON., D.SC., LL.D., D.TECH.  
 Mrs. Susan Crosland, B.A.  
 The Right Hon. Lord Crowther, M.A., LL.D., D.SC.ECON.  
<sup>4</sup>A. C. L. Day, B.A.  
<sup>4</sup>B. Donoughue, M.A., D.PHIL.  
 Sir Eric Drake, C.B.E., M.A., F.C.A.

<sup>1</sup>Nominated by the Inner London Education Authority

<sup>2</sup>Nominated by the Senate of the University of London

<sup>3</sup>Nominated by the London School of Economics Society

<sup>4</sup>Nominated by the Academic Board

The Right Hon. The Earl of Drogheda, K.B.E.  
 Miss L. M. Dugdale, B.SC., F.I.S.  
 A. F. Earle, B.SC.ECON., PH.D.  
 Sir Ronald Edwards, K.B.E., B.COM., D.SC.ECON., D.SC., LL.D.  
<sup>4</sup>Mrs C. J. Erickson, M.A., PH.D.  
 L. Farrer-Brown, C.B.E., B.SC.ECON., LL.D., D.SC.  
 Victor Feather, C.B.E., D.TECH.  
 The Right Hon. Lord Fletcher, B.A., LL.D., F.S.A.  
 M. Freedman, M.A., PH.D.  
<sup>1</sup>R. J. M. Freeman, B.SC.ECON., F.C.I.S.  
 A. C. Gilmour  
 Miss Mary Goldring, B.A.  
 Dame Mary Green, D.B.E., B.A.  
<sup>4</sup>C. Grunfeld, M.A., LL.B.  
 J. M. Gullick, M.A.  
<sup>3</sup>R. J. Hacon, B.SC.ECON.  
 The Right Hon. The Earl of Halsbury, B.SC., D.TECH., F.R.S.  
 Sir Frederic Harmer, C.M.G., M.A.  
 Mrs. E. M. Hattersley, B.A.  
 Sir John Hicks, M.A., D.SC.ECON., D.LITT., F.B.A.  
 R. T. Higgins, B.SC.SOC.

### The Court of Governors

- The Right Hon. Lord Hirshfield, F.C.A.  
Sir Alan Hitchman, K.C.B., B.A.  
H. V. Hodson, M.A.  
Bernard Hollowood, M.SC.ECON., M.A.,  
F.R.S.A.  
J. K. Horsefield, C.B., M.A.  
J. Hyman, F.R.S.A., F.B.I.M.  
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B.SC.ECON., D.SC.  
D. J. Kingsley, B.SC.ECON.  
R. J. Kirton, C.B.E., M.A., F.I.A.  
<sup>1</sup>K. Klappholz, B.SC.ECON.  
A. Lester, M.A.  
The Right Hon. H. Lever, P.C., M.P.  
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M.A., M.P.  
J. E. Meade, C.B., M.A., D.SC.ECON.,  
HON. DR., F.B.A.  
<sup>2</sup>Sir Harry Melville, K.C.B., PH.D., LL.D.,  
D.SC., D.C.L., F.R.I.C., F.R.S.  
The Right Hon. Lord Molson, M.A.  
R. M. Morison, M.A., C.A.  
L. Murray, O.B.E., B.A.  
<sup>3</sup>John Parker, C.B.E., M.A., M.P.  
Sir David Hughes Parry, Q.C., M.A.,  
LL.D., D.C.L.  
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Sir James Pitman, K.B.E., M.A.,  
D.HUM.LITT., LITT.D.  
<sup>3</sup>T. Ponsonby
- Sir Richard Powell, G.C.B., K.B.E.,  
C.M.G., B.A.  
V. Raitz, B.SC.ECON.  
The Right Hon. Lord Robens, P.C.,  
LL.D., D.C.L.  
W. T. Rodgers, M.A., M.P.  
Sir Eric Roll, K.C.M.G., C.B., B.COM.,  
PH.D., D.SC.  
Evelyn de Rothschild  
Sir Frederic Seebohm, LL.D., T.D., J.P.  
Baroness Sharp, G.B.E., B.A., D.C.L.,  
LL.D.  
M. J. Babington Smith, C.B.E.  
Sir Alexander Spearman  
Sir Hugh Springer, K.C.M.G., C.B.E.,  
M.A., D.SC.SOC.  
The Hon. A. Maxwell Stamp, M.A.  
The Right Hon. Lord Tangle, K.B.E.,  
LL.D.  
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L. Blit, CAND.MAG. (WARSAW); Lecturer in East European Political Institutions (joint post with School of Slavonic and East European Studies).  
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J. S. Lane, B.SC. (BIRMINGHAM); Lecturer in Economics.  
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R. T. McKenzie, B.A. (BRITISH COLUMBIA), PH.D., LL.D. (SIMON FRASER); Professor of Sociology with special reference to Politics.  
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Helen Makower, B.A. (CANTAB.), PH.D.; Reader in Economics with special reference to International Trade.  
A. Marin, M.SC.ECON.; Lecturer in Economics.  
S. Markowski, M.SC. (WARSAW); Lecturer in the Economics of the Communist World.  
D. A. Martin, B.SC.SOC., PH.D.; Professor of Sociology.  
J. E. Martin, B.SC.ECON., PH.D.; Cassel Reader in Economic Geography.

*Academic and Research Staff*

- J. B. L. Mayall, B.A. (CANTAB.); Lecturer in International Relations.  
D. Mazumdar, B.A. (CALCUTTA), B.A., PH.D. (CANTAB.); Lecturer in Economics with special reference to Underdeveloped Countries.  
D. H. Metcalf, M.A.ECON. (MANCHESTER); Lecturer in Economics.  
R. Miliband, B.SC.ECON., PH.D.; Senior Lecturer in Political Science.  
M. H. Miller, B.A. (OXON.), M.A. (YALE); Lecturer in Economics.  
R. K. Milne, B.A. (WELLINGTON); Lecturer in Statistics.  
S. F. C. Milsom, M.A. (CANTAB.), F.B.A.; Professor of Legal History.  
J. Miner, M.A., PH.D.ECON. (MICHIGAN); Research Fellow, Higher Education Research Unit.  
K. R. Minogue, B.A. (SYDNEY), B.SC.ECON.; Reader in Political Science; Dean of Undergraduate Studies.  
E. J. Mishan, B.A. (MANCHESTER), M.SC.ECON., PH.D. (CHICAGO); Reader in Economics.  
M. Morishima, B.A. (KYOTO), M.A. (OXON.); Professor of Economics.  
J. B. Morrall, M.A., B.LITT. (OXON.), PH.D. (NATIONAL UNIVERSITY OF IRELAND); Senior Lecturer in Political Science.  
A. J. A. Morris, M.A.; Senior Research Officer, Government Research Division.  
H. S. Morris, B.SC. (EDINBURGH), ACADEMIC POSTGRADUATE DIPLOMA IN ANTHROPOLOGY, PH.D.; Senior Lecturer in Social Anthropology.  
T. P. Morris, B.SC.SOC., PH.D.; Professor of Sociology with special reference to Criminology.  
R. D. Moseley-Williams, B.A. (KEELE), B.PHIL. (OXON.); Lecturer in Latin-American Politics (joint post with Institute of Latin American Studies).  
N. P. Mouzelis, LICENCE ES SCIENCES COMMERCIALES, LICENCE ES SOCIOLOGIE (GENEVA), PH.D.; Lecturer in Sociology.  
H. Myint, M.A. (OXON.), PH.D.; Professor of Economics.  
L. D. M. Nelson, B.A., LL.M., PH.D., DIPLOMA IN EDUCATION; Lecturer in Law.  
Adela A. Nevitt, B.SC.ECON.; Reader in Social Administration.  
S. J. Nickell, B.A. (CANTAB.), M.SC.; Lecturer in Economics.  
I. H. Nish, M.A. (EDINBURGH), PH.D.; Senior Lecturer in International History.  
R. S. Nock, LL.M.; Lecturer in Law.  
F. S. Northedge, B.SC.ECON., PH.D.; Professor of International Relations.  
A. C. Offord, PH.D. (CANTAB.), D.SC., F.R.S.; Professor of Mathematics.  
C. A. O'Muircheartaigh, B.A. (NATIONAL UNIVERSITY OF IRELAND), M.SC., DIPLOMA IN SURVEY RESEARCH TECHNIQUES (MICHIGAN); Lecturer in Statistics.  
A. N. Oppenheim, B.A. (MELBOURNE), PH.D.; Reader in Social Psychology.  
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S. A. Ozga, PH.D.; Reader in Economics.  
S. K. Panter-Brick, B.A., B.PHIL. (OXON.); Senior Lecturer in Political Science.  
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J. D. Y. Peel, M.A. (OXON.), PH.D.; Lecturer in Sociology.

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- M. Perlman, B.B.A. (CITY COLLEGE OF NEW YORK), PH.D. (CHICAGO); Lecturer in Economics.
- H. A. Perry, B.S. (CORNELL), M.A. (CALIFORNIA), PH.D.; Senior Research Officer, Department of Industrial Relations.
- H. Petith, B.A. (COLUMBIA); Lecturer in Economics.
- T. M. Pharoah, M.SC. (EDINBURGH); Research Officer, Greater London Group.
- Celia M. Phillips, B.SC.ECON., PH.D.; Lecturer in Statistics.
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- A. R. Prest, M.A., PH.D. (CANTAB.); Professor of Economics with special reference to the Economics of the Public Sector.
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- B. C. Roberts, M.A. (OXON.); Professor of Industrial Relations.
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- Jennifer A. Roberts, M.SC.ECON.; Research Officer, Economics Research Division.
- S. A. Roberts, LL.B.; Lecturer in Law.
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- R. S. Rogers, B.SC.; Research Officer, Department of Social Psychology.
- Hilary A. Rose, B.A.; Lecturer in Social Administration.
- F. Rosen, B.A. (NEW YORK), M.A. (SYRACUSE), PH.D.; Lecturer in Government.

*Academic and Research Staff*

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- Sally B. Sainsbury, B.A., DIPLOMA IN SOCIAL ADMINISTRATION; Lecturer in Social Administration.
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- L. B. Schapiro, LL.B., F.B.A.; Professor of Political Science with special reference to Russian Studies.
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- A. J. Scott, M.SC. (AUCKLAND), PH.D. (CHICAGO); Lecturer in Statistics.
- Paule H. J. Scott-James, B.LITT. (OXON.), D.E.S. (PARIS), AG. DE L'UNIV.; Senior Lecturer in French.
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- K. R. Sealy, M.SC.ECON., PH.D.; Reader in Geography.
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- D. J. Sinclair, M.A. (EDINBURGH); Senior Lecturer in Geography.
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- Elizabeth Spencer, M.A. (EDINBURGH); Research Officer, Department of Industrial Relations.
- Kathleen E. Spitz, B.A. (CANTAB.), M.A. (OHIO); Senior Lecturer in Statistics.
- R. K. Stamper, B.A. (OXON.); Research Fellow in Systems Analysis.
- Christine Stander, B.A. (MANCHESTER), DIPLOMA IN SOCIAL ADMINISTRATION; Research Officer, Department of Social Science and Administration.
- G. H. Stern, B.SC.ECON.; Lecturer in International Relations.
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- M. D. Steuer, B.S., M.A. (COLUMBIA); Reader in Economics.
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- Janet E. Stockdale, B.SC.; Lecturer in Social Psychology.
- Olive M. Stone, LL.B., B.SC.ECON., PH.D.; Reader in Law.
- A. Stuart, B.SC.ECON., D.SC.ECON.; Professor of Statistics.
- Betty Swift, B.A. (MANCHESTER); Senior Research Officer, Social Psychology Department.
- A. W. Swingewood, B.SC.SOC., PH.D.; Lecturer in Sociology.

### *Academic and Research Staff*

- Toshiko Tani, B.A. (WASEDA), M.A. (TOKYO); Research Fellow in International Studies.
- Elizabeth P. Tate, B.A. (OXON.); Lecturer in Social Administration.
- C. C. Taylor, M.Sc.; Research Officer, Statistical Research Division.
- P. G. Taylor, B.A., M.Sc.ECON. (WALES); Lecturer in International Relations.
- Jennifer Temkin, LL.M.; Lecturer in Law.
- Savitri Thapar, M.A. (DELHI), PH.D.; Senior Research Officer, Population Investigation Committee.
- J. J. Thomas, B.Sc.ECON.; Lecturer in Economics.
- J. M. Thomson, B.Sc.ECON., F.S.S.; Rees Jeffreys Research Fellow in the Economics and Administration of Transport.
- C. H. R. Thornberry, M.A., LL.B. (CANTAB.); Lecturer in Law.
- J. B. Thornes, B.Sc., M.Sc. (MCGILL), PH.D.; Lecturer in Geography.
- E. Thorp, B.Sc.ECON.; Lecturer in Political Science.
- K. E. Thurley, B.Sc.ECON.; Senior Lecturer in Industrial Sociology.
- H. Tint, B.A., PH.D.; Senior Lecturer in French.
- R. M. Titmuss, C.B.E., D.Sc. (WALES), LL.D. (EDINBURGH, TORONTO AND CHICAGO), D.TECH. (BRUNEL); Professor of Social Administration.
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- H. Townsend, B.Sc.ECON.; Reader in Economics.
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- D. W. Verry, B.A. (WELLINGTON), M.Sc.; Research Officer, Higher Education Research Unit.
- D. P. Waley, M.A., PH.D. (CANTAB.); Professor of History.
- K. F. Wallis, B.Sc., M.Sc.TECH. (MANCHESTER), PH.D. (STANFORD); Lecturer in Statistics with special reference to Econometrics.
- A. A. Walters, B.Sc.ECON.; Cassel Professor of Economics with special reference to Money and Banking.
- S. J. Waters, M.Sc.; Lecturer in Computing.
- J. W. N. Watkins, D.S.C., B.Sc.ECON., M.A. (YALE); Professor of Philosophy.
- P. L. Watson, M.Sc., A.C.A.; Lecturer in Accounting.
- D. C. Watt, M.A. (OXON.), F.R.HIST.S.; Reader in International History.
- A. L. Webb, B.SOC.SCI. (BIRMINGHAM); Lecturer in Social Administration.
- M. H. J. Webb, M.A. (CANTAB.); Fellow in Management Studies.
- K. W. Wedderburn, M.A., LL.B. (CANTAB.); Cassel Professor of Commercial Law.
- Elizabeth A. Weinberg, A.B. (VASSAR), A.M. (HARVARD), PH.D.; Lecturer in Sociology.
- J. H. Westergaard, B.Sc.ECON.; Reader in Sociology.
- A. Westoby, B.A. (OXON.), Research Officer, Higher Education Research Unit.
- P. J. de la F. Wiles, M.A. (OXON.); Professor of Russian Social and Economic Studies (joint post with School of Slavonic and East European Studies).
- G. L. Williams, M.A. (CANTAB.); Associate Director, Higher Education Research Unit.

### *Academic and Research Staff*

- J. E. Hall Williams, LL.M. (WALES); Reader in Criminology.
- Doreen Wilson, B.A. (DURHAM), A.I.M.S.W., CERTIFICATE IN APPLIED SOCIAL STUDIES; Lecturer in Social Work.
- D. Winchester, B.Sc. (WALES), M.Sc.; Research Officer, Department of Industrial Relations.
- P. Windsor, B.A., B.Phil. (OXON.); Reader in International Relations.
- Elsie C. N. Winnicott, CERTIFICATE IN SOCIAL STUDIES, CERTIFICATE IN MENTAL HEALTH; Senior Lecturer in Social Work.
- M. J. Wise, M.C., B.A., PH.D. (BIRMINGHAM); Professor of Geography; Chairman of the Graduate School Committee.
- L. A. Wolf-Phillips, B.Sc.ECON., LL.M.; Lecturer in Political Science.
- J. C. Woodburn, M.A., PH.D. (CANTAB.); Lecturer in Anthropology.
- J. Worrall, B.Sc.ECON.; Lecturer in Philosophy.
- V. Wright, B.Sc.ECON., PH.D.; Senior Lecturer in Political Science.
- C. R. Wymer, M.COM. (AUCKLAND), PH.D.; Lecturer in Economics.
- B. S. Yamey, B.COM. (CAPE TOWN); Professor of Economics.
- K. G. Young, B.Sc.ECON., M.Sc.; Research Officer, Government Research Division.
- E. G. Zahar, M.A. (CANTAB.), M.Sc.; Lecturer in Philosophy.
- M. Zander, B.A., LL.B. (CANTAB.), LL.M. (HARVARD); Reader in Law.
- Adriana Zoratti; Lecturer in Italian.

### *Visiting Professors*

- M. G. Kendall, M.A., SC.D. (CANTAB.); Visiting Professor of Statistics.
- C. A. Moser, C.B.E., B.Sc.ECON., F.B.A.; Visiting Professor of Social Statistics; Director, Higher Education Research Unit.

### *Honorary Lecturers*

- J. W. B. Douglas, B.A., B.Sc., B.M., B.Ch. (OXON.).
- Sir Ronald Edwards, K.B.E., B.COM., D.Sc.ECON., D.Sc. (BATH), LL.D. (EDINBURGH); Professor of Economics with special reference to Industrial Organization.

### *Part-time Academic and Research Staff*

- E. J. W. Dyson, M.A. (CANTAB.), F.I.A.; Actuarial Statistics.
- Irmi J. M. Elkan, CERTIFICATE IN MENTAL HEALTH; Social Science.
- Jean Kerrigan, B.Sc.ECON.; Economics.
- Shirley R. Letwin, M.A., PH.D. (CHICAGO); Philosophy.
- Ann G. Richardson, B.A. (MICHIGAN), M.A. (PITTSBURGH); Industrial Relations.
- Margaret L. Sharp, B.A. (CANTAB.); Economics.
- D. Janie Thomas, M.B.E., CERTIFICATE IN SOCIAL SCIENCE AND ADMINISTRATION, CERTIFICATE IN APPLIED SOCIAL STUDIES, CERTIFICATE IN CHILD CARE (HOME OFFICE); Social Science.
- Enid B. Wistrich, B.Sc.ECON.; Greater London Group.

## Academic Staff by Departments

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Mrs. S. F. D. Dev  
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Dr. M. E. F. Vaughan  
Dr. E. A. Weinberg  
Mr. J. H. Westergaard

**Department of Statistics, Computing, Demography, Mathematics and Operational Research**

Professor Sir Roy Allen  
Dr. J. L. Bell  
Dr. K. G. Binmore  
Miss E. M. Boardman  
Mr. N. H. Carrier  
Professor A. S. Douglas  
Professor J. Durbin  
Mr. A. Fielding  
Dr. H. Freedman  
Mr. J. Hajnal  
Dr. R. A. Holmes  
Dr. M. Knott  
Dr. A. H. Land  
Mr. F. F. Land  
Mr. C. M. Langford  
Mr. R. K. Milne  
Professor A. C. Offord  
Mr. C. A. O'Muircheartaigh  
Mr. R. J. Paul  
Dr. C. M. Phillips  
Mrs. Z. Prais  
Dr. D. J. Reid  
Mr. J. V. Rosenhead  
Dr. A. J. Scott  
Dr. C. S. Smith  
Mrs. K. E. Spitz  
Professor A. Stuart  
Dr. K. F. Wallis  
Mr. S. J. Waters

*Academic Officers, Conveners, Committee Members*

**Academic Officers**

*Director:* Sir Walter Adams  
*Pro-Director:* Professor A. H. John  
*Vice-Chairman of the Academic Board:* Professor F. J. Fisher  
*Chairman of the Graduate School Committee:* Professor M. J. Wise  
*Dean of Undergraduate Studies:* Mr. K. R. Minogue.

**Conveners of Departments for the Session 1970-71**

*Accounting:* Professor H. C. Edey  
*Anthropology:* Professor I. M. Lewis  
*Economic History:* Professor F. J. Fisher  
*Economics:* Professor J. D. Sargan  
*Geography:* Professor R. J. Harrison Church (till 31.12.71); Professor M. J. Wise (from 1.1.72)  
*Government:* Professor L. B. Schapiro  
*Industrial Relations:* Professor B. C. Roberts  
*International History:* Professor Ragnhild M. Hatton  
*International Relations:* Professor F. S. Northedge  
*Language Studies:* Dr. N. Denison  
*Law:* Professor D. H. N. Johnson  
*Philosophy, Logic and Scientific Method:* Professor I. Lakatos  
*Social Psychology:* Professor Hilde T. Himmelweit  
*Social Science and Administration:* Professor B. Abel-Smith  
*Sociology:* Professor D. A. Martin  
*Statistics, Computing, Demography, Mathematics and Operational Research:*  
Professor Sir Roy Allen

**Committees of the Court of Governors**

**BUILDING COMMITTEE**

The Director } *ex officio*  
The Pro-Director }  
Sir Frederick Harmer (Chairman)  
Mr. W. H. B. Carey  
Mr. A. C. Gilmour  
Sir Alan Hitchman  
Mr. D. A. Clarke }  
Mr. J. A. W. Forge } *nominated by the Academic Board*  
Dr. A. N. Oppenheim }  
Mrs. K. E. Spitz }  
Mr. K. E. Thurley }

The Court has offered students four places on the Building Committee, namely two *ex officio* members of whom one shall be the President of the Students' Union plus two others elected by the Union.

*Committee Members*

**COMPUTER SERVICES MANAGEMENT COMMITTEE**

The Director  
The Pro-Director  
The Professor of Computational Methods  
(Professor A. S. Douglas)  
The Chairman of the Management Studies Research Division  
(Professor H. C. Edey)  
The Chairman of the Computer Services Users Committee  
(Mr. M. H. J. Webb)  
Professor J. Durbin (Chairman)  
Mr. N. H. Carrier  
Mr. J. R. Gould  
Mr. F. F. Land  
Dr. A. N. Oppenheim

} *ex officio*

**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 F. J. Fisher)  
Mr. W. M. Allen  
Sir Sydney Caine  
Professor M. W. Cranston  
Professor R. T. McKenzie  
Professor B. C. Roberts  
Baroness Seear

} *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  
—— (Chairman)  
Sir Anthony Burney  
Dr. B. Donoghue  
Mr. A. C. Gilmour  
Lord Tangle

} *ex officio*

**LIBRARY COMMITTEE**

The Chairman of the Court of Governors  
The Vice-Chairman of the Court of Governors  
The Director  
The Pro-Director  
The Librarian  
Professor F. J. Fisher (Chairman)  
Sir Frank Francis

} *ex officio*

*Committee Members*

- Dr. L. L. Ware
- Miss M. F. Webb
- Mr. M. D. Donelan
- Dr. C. J. Erickson
- Professor D. V. Glass
- Professor C. Grunfeld
- Professor F. H. Hahn
- Professor I. M. Lewis
- Dr. K. R. Sealy

} *nominated by the Academic Board*

The Court has offered students four places on the Library Committee.

**STANDING COMMITTEE**

- The Chairman of the Court of Governors
- The Vice-Chairman of the Court of Governors
- The Director
- The Pro-Director
- Mr. G. C. Brunton
- Mr. R. J. M. Freeman
- Mr. J. M. Gullick
- The Rt. Hon. Lord Hirshfield
- Mr. D. J. Kingsley
- Sir Richard Powell
- Professor A. C. L. Day
- Dr. B. Donoughue
- Dr. C. J. Erickson
- Professor C. Grunfeld
- Mr. K. Klappholz
- Professor R. M. Titmuss
- Mr. S. F. Wheatcroft
- Professor B. S. Yamey

} *ex officio*

**Committees of the Academic Board**

**CAREERS ADVISORY SERVICE COMMITTEE**

- The Director
- The Pro-Director
- The Adviser to Women Students (—)
- Mr. D. J. Sinclair (Chairman)
- Sir Anthony Burney
- Professor B. S. Yamey
- Dr. C. M. Bell
- Mr. P. F. Dawson
- Mr. R. Holmes
- Dr. B. S. Johnson
- Dr. H. Makower
- Baroness Seear
- Mr. M. Zander

} *nominated by the Standing Committee*

The Academic Board has offered students nine places on the Careers Advisory

*Committee Members*

Service Committee, namely one *ex officio* plus one graduate and one undergraduate student from each of the four departmental groups.

**COMMITTEE ON ACCOMMODATION**

- The Director
- The Pro-Director
- The Vice-Chairman of the Academic Board (Professor F. J. Fisher)
- Mr. R. F. G. Alford
- Professor J. Durbin
- Dr. L. H. Leigh
- Dr. A. N. Oppenheim
- Professor B. C. Roberts
- Professor D. P. Waley
- Dr. J. C. Woodburn
- Dr. V. Wright

} *ex officio*

The Academic Board has offered students five places on the Committee on Accommodation, namely the Administrative Vice-President of the Students' Union *ex officio* plus one student from each of the four departmental groups.

**COMMITTEE ON THE STUDENT HEALTH SERVICE**

- The Director
- The Pro-Director
- Dr. K. R. Sealy (Chairman)
- Professor W. T. Baxter (co-opted)
- Mr. D. E. Baines
- Miss Z. T. Butrym
- Mrs. B. A. Geber
- Four student members

} *ex officio*

**COMMITTEE ON UNDERGRADUATE STUDIES**

- The Director
- The Pro-Director
- The Dean of Undergraduate Studies (Mr. K. R. Minogue) (Chairman)
- Dr. M. E. F. Bloch
- Dr. C. Board
- Dr. B. Donoughue
- Professor F. H. Hahn
- Mr. M. Hill
- Mr. S. A. Roberts
- Mr. N. R. A. Sims
- Professor D. P. Waley
- Dr. K. F. Wallis
- Nine Student Members

} *ex officio*



Committee Members

GENERAL PURPOSES COMMITTEE

- The Director
  - The Pro-Director
  - The Vice-Chairman of the Academic Board (Professor F. J. Fisher) } *ex officio*
  - Professor W. R. Cornish
  - Mr. M. E. Falkus
  - Mr. G. A. Grün
  - Dr. G. W. Jones
  - Dr. W. Letwin
  - Professor D. A. Martin
  - Mr. E. A. Roberts
  - Professor L. B. Schapiro
  - Mr. P. G. Taylor
  - Professor A. A. Walters
  - Professor J. W. N. Watkins
  - Mr. D. C. Watt
  - Professor M. J. Wise
- The Academic Board has offered students six places on the General Purposes Committee.

GRADUATE SCHOOL COMMITTEE

- The Director
- The Pro-Director
- Professor M. J. Wise (Chairman) } *ex officio*
- Professor Sir Roy Allen
- Professor P. T. Bauer
- Dr. N. Denison
- Professor H. C. Edey
- Professor F. J. Fisher
- Professor R. J. Harrison Church
- Professor J. B. Joll
- Professor I. Lakatos
- Professor I. M. Lewis
- Professor D. A. Martin
- Miss A. A. Nevitt
- Professor F. S. Northedge
- Dr. A. N. Oppenheim
- Professor B. C. Roberts
- Professor L. B. Schapiro
- Mr. J. E. Hall Williams
- Professor B. S. Yamey

PUBLICATIONS COMMITTEE

- The Director
- The Pro-Director } *ex officio*
- The Librarian

Committee Members

- Professor M. W. Cranston (Chairman)
- Dr. C. M. Bell
- Mr. J. B. Gillingham
- Dr. B. V. Hindley
- Professor D. A. Martin
- Mr. K. R. Minogue
- Mr. N. A. Spence

SCHOLARSHIPS AND PRIZES COMMITTEE

- The Director
- The Pro-Director
- The Chairman of the Admissions Committee (Professor W. T. Baxter) } *ex officio*
- The Deputy Chairman of the Admissions Committee (Dr. R. C. Estall)
- Professor S. F. C. Milsom (Chairman)
- Dr. R. R. Orr (Vice-Chairman)
- Dr. C. M. Bell
- Mr. R. J. Bullen
- Mr. R. A. Jackman
- Miss A. A. Nevitt
- Dr. J. B. Thornes
- Mr. J. E. Hall Williams

STUDENT RESIDENCE COMMITTEE

- The Director
- The Pro-Director
- The Warden of Passfield Hall (Mr. J. A. W. Forge) } *ex officio*
- The Warden of Carr-Saunders Hall (Dr. E. A. Kuska)
- The Adviser to Women Students ( — )
- Mr. D. K. C. Jones
- Mr. K. Klappholz
- Mrs. H. A. Rose
- Mr. K. E. Thurley (*nominated by the Building Committee*)

The Academic Board has offered students six places on the Student Residence Committee, namely the Welfare Vice-President of the Students' Union and the Chairman of the Students' Housing Committee *ex officio* plus four elected student members.

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" if any.

*Committee Members*

RESEARCH COMMITTEE

- The Director
- The Pro-Director
- The Librarian
- Professor A. S. Douglas
- Mr. J. A. W. Forge
- Professor H. T. Himmelweit
- Professor J. Joll
- Professor I. Lakatos
- Dr. I. H. Nish
- Professor P. J. O. Self
- Professor A. A. Walters
- Mr. J. E. Hall Williams

} *ex officio*

STANDING SUB-COMMITTEE OF THE APPOINTMENTS COMMITTEE

- The Director
- The Pro-Director
- Professor B. Abel-Smith
- Professor H. C. Edey
- Professor E. A. Gellner
- Professor H. R. G. Greaves
- Professor R. M. Hatton
- Professor S. F. C. Milsom
- Professor F. S. Northedge
- Professor B. S. Yamey

} *ex officio*

**Committees Advisory to the Director**

ACADEMIC POLICY COMMITTEE

- The Director
- The Pro-Director
- The Chairman of the Graduate School Committee (Professor M. J. Wise)
- The Dean of Undergraduate Studies (Mr. K. R. Minogue)
- The Librarian
- The Vice-Chairman of the Academic Board (Professor F. J. Fisher)
- Professor B. Abel-Smith
- Dr. Lucy M. Brown
- Dr. N. Denison
- Professor J. Durbin
- Mr. E. A. French
- Mr. H. Glennerster
- Mr. W. H. N. Hotopf
- Professor D. H. N. Johnson
- Professor J. B. Joll
- Mr. K. Klappholz
- Dr. L. H. Leigh

} *ex officio*

*Committee Members*

- Dr. W. Letwin
- Dr. H. S. Morris
- Professor T. P. Morris
- Professor F. S. Northedge
- Professor B. C. Roberts
- Mr. J. V. Rosenhead
- Professor J. D. Sargan
- Professor L. B. Schapiro
- Mr. D. J. Sinclair
- Mr. A. W. G. Stewart
- Professor J. W. N. Watkins
- Professor M. J. Wise
- Dr. C. R. Wymer

ADMISSIONS COMMITTEE (Undergraduate Courses)

- The Director
- The Pro-Director
- Professor W. T. Baxter (Chairman)
- Dr. R. C. Estall (Deputy Chairman)
- Mr. R. F. G. Alford
- Mr. A. J. Beattie
- Dr. T. A. V. Blackstone
- Dr. K. Bourne
- Dr. N. Denison
- Mr. M. E. Falkus
- Mr. W. H. N. Hotopf
- Mr. K. Klappholz
- Professor I. M. Lewis
- Mr. K. R. Minogue
- Professor A. C. Offord
- Mr. J. Potter
- Mr. P. G. Taylor
- Dr. D. G. Valentine
- Dr. M. E. F. Vaughan
- Professor D. P. Waley
- Dr. K. F. Wallis
- Professor K. W. Wedderburn
- Mr. G. L. Williams

ATHLETICS COMMITTEE

- Dr. R. C. Estall (Chairman)
- Mr. M. E. Falkus (Vice-Chairman)
- Dr. B. Donoghue
- Mr. J. B. Gillingham
- Mr. K. R. Minogue (*representing the Senior Common Room*)
- Two representatives of the L.S.E. Society
- The President of the Athletic Union

} *appointed by the Court of Governors*  
} *nominated by the Academic Board*

### Committee Members

Four members, one of whom must be a woman, nominated from time to time  
by the Executive Committee of the Athletic Union  
The Pro-Director

#### COMMITTEE ON THE WELFARE OF OVERSEAS STUDENTS

The Pro-Director  
Mr. R. Chapman (Chairman)  
The Adviser to Women Students ( — )  
Dr. W. Letwin  
Miss A. A. Nevitt  
Dr. I. H. Nish  
Mr. J. Potter  
Mr. J. J. Thomas  
The Welfare Vice-President of the Students' Union  
The Chairman of the Union's Committee on Overseas Students' Welfare  
Two other members of that Committee

The Academic Board has offered to increase the number of student members to eight including the Welfare Vice-President *ex officio*.

#### REFECTORY ADVISORY COMMITTEE

The Director  
The Pro-Director  
Mr. J. R. Gould (Chairman) *appointed by the Court of Governors*  
Two representatives of the Senior Common Room  
Two representatives of the Administrative Staff Common Room of whom one must  
be a member of the Library Staff  
Five student members (including the Senior Treasurer of the Students' Union)

### Administrative Staff

#### Director

Sir Walter Adams, C.M.G., O.B.E., B.A., LL.D.  
(Private Secretary: Gwendoline M. Bingham)

#### Academic Secretary

J. Alcock, B.A.  
(Private Secretary: Frances Tomkins)

#### Financial Secretary

J. Pike, C.B.E., M.A.  
(Private Secretary: Denise J. Prosser)

#### Deputy Academic Secretary and Registrar

G. Ashley, B.A.

#### Accountant

B. T. Parkin, F.C.A.

#### Bursar

L. V. McNaught-Davis

Susan Applestone, B.A.: *Administrative Officer (Appointments)*  
Ilse T. Boas, B.SC.ECON.: *Assistant Registrar (Timetabling)*  
Anne M. Bohm, PH.D.: *Secretary of the Graduate School*  
C. J. T. Braybrook: *Assistant Bursar*  
Pamela Carden, M.A.: *Assistant to the Secretaries*  
Shirley A. Chapman: *Information Assistant*  
E. W. H. Clark, A.C.A.: *Assistant Accountant*  
P. D. C. Davis, B.A.: *Publications Officer*  
J. A. G. Deans, M.B.E.: *Supplies Officer*  
S. Joy Gowlett, B.A.: *Administrative Assistant (Graduate School)*  
W. Harrison, A.C.I.S.: *Assistant Accountant*  
Ambrosine B. Hurt: *Secretary to the Library Appeal*  
Joyce M. Metcalfe, B.A.: *Assistant Accountant (Superannuation)*  
G. T. Mitchell: *Assistant Bursar*  
Evelyn M. Myatt-Price, M.A.: *Senior Assistant Registrar*  
Rosemary Nixon, B.A.: *Assistant Registrar (Undergraduate Admissions)*  
P. J. Pasmore, A.A.C.C.A.: *Assistant Accountant*  
Jennifer A. Pinney: *Research Secretary (Higher Education Research Unit)*  
B. D. Roberts, B.A.: *Assistant to the Secretaries*  
R. M. Shutz, LL.B., BARRISTER AT LAW: *Assistant to the Secretaries*  
B. J. Silk, A.C.I.S., M.C.I.T.: *Administrator, Survey Research Centre*  
Caroline I. Vining, B.A., BARRISTER AT LAW: *Personnel Officer*  
Dorothy Williams, M.A.: *Administrative Secretary (Economics Department)*  
G. J. Wilson, A.R.I.C.S.: *Building Surveyor*

### *Administrative Staff*

#### **Principal Clerks and Chief Clerks**

Joan M. Alstin: *Timetabling Office*  
Patricia L. Barham: *Accounts Department*  
Betty Barron: *Economica Publishing Office*  
Dorothy E. Bell: *Personnel Department*  
Elsie A. Betts: *Academic Secretary's Department*  
Helen Beven, B.A.: *Government Department*  
Elizabeth M. Brown: *Personnel Department*  
Jetta L. Bruce: *Law Department*  
Jean M. Carr: *Survey Research Centre*  
Dora W. Cleather: *Accounts Department*  
Molly St. C. Coales: *Accounts Department*  
Gwendolyn V. Coggan: *Registry*  
I. Elsie Cooper-Hannan, B.A.: *Correspondence Department*  
Jean M. R. Curry: *Accounts Department*  
Winifred M. Davis, B.SC.ECON.: *Examinations Assistant, Registry*  
Anne D. Dix: *Sociology Department*  
Janet A. Fox: *Geography Department*  
Ruth H. Griffiths: *Social Science Department*  
Kathleen D. Hill: *Social Science Department*  
Anne Isted: *Accounts Department*  
Margaret Y. M. Jones: *Sociology Department*  
Myra S. Kaffel: *Academic Secretary's Department*  
Barbara M. Lenny: *Graduate Admissions Office*  
Marjorie Mimms: *Filing Department*  
Maureen J. Mulvany: *Social Science Department*  
Christina Newman: *Graduate School Office*  
Barbara E. Powrie, B.SC.SOC.: *Bursar's Department*  
Morag W. Rennie: *Social Psychology Department*  
Gladys A. Rice: *Anthropology Department*  
Joan C. Rowat: *Survey Research Centre*  
Flora D. Sands: *Accounting Department*  
Elizabeth A. Schnadhorst, A.R.C.M.: *Government Department*  
Anita C. Scholz: *Careers Advisory Service Office*  
Ella Stacey, B.A.: *International Relations Department*  
Ann S. Taylor: *Industrial Relations Department*  
Ann Trowles: *Sociology Department*  
Marian Vaughan: *Statistics Department*  
Mary B. Whitty: *Undergraduate Admissions Office*

#### **Geography Department**

D. G. C. Judd: *Chief Technician*  
Eunice Wilson: *Chief Technician*  
N. L. Cadge: *Map Librarian*

#### **Psychology Department**

K. M. Holdsworth, A.I.S.T.: *Chief Technician*

#### **Student Health Service**

J. A. Payne, M.B., B.S., D.(OBST.), R.C.O.G. (LONDON): *Senior Health Service Officer and Psychiatric Adviser*  
H. N. Levitt, O.B.E., L.M.S.S.A. (LONDON), D.P.H., R.C.S. (ENG.), F.R.C.G.P.: *Health Service Officer (Part-time)*  
Camilla Bosanquet, M.B., B.CHIR. (CAMBRIDGE), M.R.C.S. (ENG.), L.R.C.P. (LONDON), D.C.H. (ENG.), D.P.M.: *Psychiatric Adviser (Part-time)*  
Agnes H. Wilkinson, M.B., CH.B. (BIRMINGHAM), M.R.C.P. (LONDON): *Psychiatric Adviser (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)*  
J. Hillman, M.B., CH.B. (LIVERPOOL), M.R.C.S. (ENG.), L.R.C.P. (LONDON), D.O. (ENG.): *Ophthalmic Surgeon*  
P. Ayling, B.D.S. (EDINBURGH): *Dental Surgeon*  
J. Skuse, B.D.S. (LONDON), L.D.S., R.C.S. (ENG.): *Dental Surgeon*  
Jennifer M. E. Saville-Sneath, S.R.N.: *School Nurse*

#### **Maintenance and Catering Staff**

D. G. Morris: *Catering Manager*  
Eileen P. Campbell: *Assistant Catering Manager*  
E. Brown: *House Manager*  
W. C. Frisby: *Chief Electrician*  
F. C. Jones: *Assistant Surveyor*  
L. F. Kearey: *Head Porter*  
Elizabeth M. S. Dunwoody, M.I.M.A.: *Housekeeper*  
F. Moll: *Technical Equipment Assistant*

#### **Carr-Saunders Hall**

E. A. Kuska, B.A., PH.D.: *Warden*  
E. Jacqueline Wiltshire, M.I.M.A.: *Resident Bursar*  
C. P. Cook, B.A.: *Sub-Warden*

#### **Passfield Hall**

J. A. W. Forge, M.A.: *Warden*  
Ursula A. Thomas, B.SC., F.I.M.A.: *Bursar and Assistant Warden*  
F. R. Bridge, B.A., PH.D., A.K.C.: *Sub-Warden*

#### **Computer Services**

##### **Computer Services Manager**

( — )

P. J. Wakeford, B.SC.ECON.: *Programmer in Charge*  
Margaret Hall: *Senior Programmer*  
Susan Jones, B.A.: *Senior Programmer*  
P. R. Chastney, B.SC.ECON.: *Programmer*  
Carol R. Hewlett: *Programmer*  
Hazel O'Hare, B.SC.ECON.: *Programmer*  
T. S. McDermott, B.SC.: *Programmer*

## British Library of Political and Economic Science

### Librarian

D. A. Clarke, M.A.

### Deputy Librarian

C. P. Corney, B.LITT., M.A.

### Sub-Librarians

C. G. Allen, M.A.: *Superintendent of Readers' Services*

Martha E. Dawson, M.A.: *Chief Cataloguer*

Maria Nowicki, LL.M.: *Acquisitions Officer*

### Senior Assistant Librarians and Assistant Librarians

B. G. Awty, B.A.: *Acquisitions*

E. C. Blake, B.A.: *Head of Official Publications Section*

Margaret N. Blount, B.A.: *Cataloguing*

D. A. Bovey, B.SC.ECON.: *Readers' Services*

Julia V. Garland, M.A.: *Latin American Collections*

Jane T. Henderson, B.A.: *Acquisitions and Teaching Library Liaison*

W. Hughes, B.A.: *Cataloguing*

B. R. Hunter, B.A.: *Slavonic Collections*

Christine G. James, M.A.: *Acquisitions*

C. R. Leggott, B.A., M.A.: *Cataloguing*

K. O. Parsons, M.A.: *Law*

Susan Reed, A.M.: *Readers' Services*

R. O. A. Robson, B.A.: *Cataloguing*

Patricia A. Tankard, B.A.: *Official Publications*

### Principal Library Assistants

F. W. Blackburn: *Binding*

Nora C. F. Blacklock: *Superintendent of the Teaching Library*

E. W. P. Rhoades: *Administration*

Diana Stanley: *Supervisor of Processing Services*

Joan M. Warren: *Periodicals*

### Senior Library Assistants

Marjorie M. Burge, B.A.: *Official Publications*

K. J. Hodgson, B.MUS.: *Shaw Library*

Christine G. Hogg: *Cataloguing*

Deirdre McKellar: *Inter-Library Loans*

R. Trussell: *Cataloguing*

Diana M. Wates: *Cataloguing*

Rosemary White: *Periodicals*

Chief Clerk (Librarian's Secretary) J. Ann Davidge

### Honorary Consultant on the History of Book Production

Marjorie Plant, D.SC.ECON.

## 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 reorganized 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 moved into 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 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;

### History of the School

in 1934 *Politica*, which ceased publication during the war. The Library has expanded likewise, 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 statistical machines, 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 has been gained in terms of actual space as these buildings replace others previously used by the School.

However, 1970 also brought the prospect of the largest building expansion at any one time since the School was founded, with a sixty per cent increase in accommodation. The School has 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. Subject to planning permission it will be adapted to rehouse the British Library of Political and Economic Science by 1975-76 in a way which will enable scholars, both from the School and beyond, to have full access to the Library's two million items. The accommodation then released in the main building will become available for other purposes including the improvement of general amenities for students.

Substantial financial assistance has been promised by the University Grants Committee for this Library project. Meanwhile the School is required to raise two and a half million pounds from other sources.

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.

## Report by the Director on the Work of the School During the Session 1969-70

### Quinquennial planning

One benefit of the quinquennial basis for recurrent grants to universities is that it compels a periodic reappraisal by each university of its development priorities. This benefit has been eroded by financial stringencies which have reduced the proportion of a development factor in budgets mainly devoted to the maintenance of existing commitments. It has been further diminished by the rapid rise in costs at a time of inflation which is only partially and somewhat tardily offset through supplementary grants, by the dissociation of capital and recurrent grants, and by the growing rigidity introduced by the emphasis on a *per capita* student cost-unit in determining the allocations. Nevertheless the reappraisal is a valuable exercise in reviewing strategy, even though the focus is on quantitative factors such as costs and numbers rather than on qualitative factors such as academic innovation and the identification of intellectual growth-points.

For schools such as ours which are parts of a federal university, future planning in this mid-year of the quinquennium 1967-72, is a co-operative task. The University of London has taken an important initiative in encouraging intercollegiate consultation in the drafting of submissions for the quinquennium 1972-77. Whereas previously the University's submission to the University Grants Committee tended to be a collection of almost unrelated bids by the schools made on different assumptions, on this occasion the Interim Joint Standing Committee of the Academic and Collegiate Councils has provided for continuing consultation at the preliminary stages of planning among the schools and between the schools and boards of studies. It has also provided general guide-lines on scales and priorities for development so that the individual submissions will be more comparable and realistic than those for previous quinquennia. It is to be hoped that this will strengthen the University's case when it is presented to the University Grants Committee, and that the habits of consultation induced by the exercise will survive and reinforce the many tendencies towards co-operation that exist within the federation.

The University and the University Grants Committee have recently appointed, under the chairmanship of Lord Murray, a Committee of Enquiry into the Governance of the University of London. The Murray Committee will no doubt assess the significance of this recent example of federal planning in the preparation of the quinquennial submission, and of the illustration it provides both of the importance of machinery to co-ordinate the work of the Collegiate and the Academic Councils, and of methods to furnish more effective advice on academic priorities from the Senate to the Court.

It is against this federal background that the School has prepared its own preliminary plans for the next quinquennium. There has been much discussion on a national basis of an expected demand for a dramatic increase in the number of university students during the coming decade. There are still too many unknowns in the situation to permit estimates of this 'demand'. Guesses can be made about manpower needs for graduates in particular subject areas, but an estimate of need and

### *Report by the Director*

even physical provision to meet it does not ensure supply, as witness the stubborn failure of candidates to occupy the many vacant places in the new accommodation for the physical sciences in the universities. Guesses can be made about the future balance between university and non-university numbers within higher education based on extrapolation from historical evidence, but these may be falsified by unquantifiable factors such as the growing prestige of polytechnics and of degrees sponsored by the Council for National Academic Awards or by political decisions affecting the proportionate allocation of resources between the two sectors of the 'binary system'. Whatever national decisions may be taken about the desirable or possible expansion of university student numbers in the next decade, there is growing evidence that the University of London will not be assisted financially to take a major part in such expansion because of the high costs of site acquisition and building in the metropolitan area.

For the School's quinquennial planning, a choice does not arise between expansionists and non-expansionists on student numbers. On our site, from which we have no intention of moving, we cannot take a greater number of full-time students than our present total, and even that is possible only by enduring the existing congestion and inadequate facilities which are well below the University Grants Committee norms. We are prepared to endure this for a few more years in the hope that during that time we shall solve the major problem of our accommodation by rehousing the Library, thus relieving pressure throughout the School. The rehousing of the Library is essential in itself as a national and international duty. On the assumption that we achieve this, and only on that assumption, we have indicated in our provisional plan for the quinquennium that we shall aim at a target of 3,000 full-time students in 1977, and move towards doubling our present number of 400 part-time graduate students.

It has been for a long time the settled policy of the School that it should increase the proportion of postgraduates within its student body because of the unique advantages the School has in its Library, in the size and range of its specialised staff and in its location within London. For the next quinquennium our provisional plan aims at increasing within the total of 3,000 full-time students the proportion of postgraduate students from the present 41 per cent target set by the Court and the University Grants Committee, to a target of 50 per cent. One particular justification for the proposed growth in the School's Graduate School, both in full-time and also in part-time students, is the contribution this will make to the supply of teachers needed for the national development of all sectors of higher education.

One basic assumption of our plans for 1972-77 is that during that period the Library must be rehoused. Another condition of the plans is that the present deficiencies from which we suffer through underfinancing in this quinquennium should be repaired as quickly as possible, especially in such matters as improving the staff-student ratio, relaxing the constraint of the present senior-junior staff ratio, improving the recurrent grant to the Library, strengthening our equipment and computer resources, and underpinning the School's research activities which are now overdependent on earmarked grants from external sources. Whatever the size of our next quinquennial allocation, it is not expected that it will permit much quantitative growth in the School's activities or any major development innovations. Our task will continue to be, within a scrupulous audit of our resources, to focus effort on qualitative developments in academic efficiency and priorities. For this

### *Report by the Director*

purpose it is fortunate that we have equipped ourselves with a new instrument in the Academic Policy Committee. The Committee has already played a decisive part in shaping the provisional quinquennial plan for submission to the Academic Board and the Standing Committee. It will have continuing duties to supervise the implementation of the plan, to assist in the academic tasks of curriculum and examination arrangements which the University is increasingly delegating to the schools, to advise on the balanced redistribution of our priorities within the limits imposed by resources, to encourage interdisciplinary developments and to undertake the formative and clarifying discussions of academic issues for presentation to the Academic Board and University.

### **Teaching and research activities**

Although this mid-year of the present quinquennium falls within a period of consolidation rather than of new developments, there have been several significant changes in teaching activities of which the following are examples. The new degree of B.Sc. Social Psychology was introduced and fifteen students admitted to this course from a field of 328 applicants. The other new degree at the School established in this quinquennium, namely in Mathematics, completed its first three years; the nine students graduating included three with first class honours and two with upper seconds. The Social Psychology degree, like those in Anthropology and Geography, is on a course unit structure, which gives the student a more frequent assessment and greater flexibility of choice than do some of the other first degrees. Geography and Anthropology had introduced the course unit structure in 1966 and some other departments are considering the advantages and disadvantages of adopting it. A committee in the department of Economics has been at work throughout the year, in consultation with staff and students, on possible changes in the degree structure and teaching and examination arrangements for students specialising in Economics; its preliminary report will involve widespread discussion in the School during the coming session.

The department of Social Science and Administration amalgamated its courses for the Diploma in Applied Social Studies and the Diploma for Social Workers in Mental Health into the framework of the Diploma in Social Work Studies and thus took a further important step in its policy of substituting a basic generalised course containing options for specialisation in place of the variety of separate diploma and certificate courses that it used to offer. This move has academic advantages in deepening the theoretical content of the courses and it anticipates the growing need in the professional world for trained personnel in social administration to lead and co-ordinate the services of vocationally specialised staff. During the year negotiations were concluded by which the department undertook some of the services hitherto discharged by the Institute of Medical Social Workers, which has been dissolved; it increased by 25 the number of graduates to be admitted to the course for the Diploma in Social Work Studies and was strengthened in its staff and other resources by an earmarked grant from the government.

The departments of Sociology and Social Science and Administration completed the first year of a new venture in intercollegiate teaching with the London School of Hygiene and Tropical Medicine for the Master's degree in Social Medicine. The success of this year augurs well for the continuation of this experiment, and possibly

#### *Report by the Director*

for other developments by which the School can contribute to medical education in London.

An additional branch in the M.Sc., namely in Management Studies, was planned and introduced, involving an interdisciplinary approach in which seven departments co-operated.

The School's contribution to International Studies was strengthened not only by the development of its Centre, which had been initiated in 1967 with a grant from the Ford Foundation, but also by the filling of two new joint posts with the Institute of Latin American Studies, one in Politics and one in Economic History.

In the research field, the Research Committee continued to develop a new pattern of relationships with research organizations (mentioned in last year's report in connection with the Institute of Manpower Studies) which limits or eliminates calls on the School's financial and accommodation resources and concentrates on academic association; on this basis the School entered into academic relationship with the Survey Unit newly established near the School by the Social Science Research Council. The Centre for Environmental Studies made a grant to the School to initiate a Centre for Urban Economics, which, while located in the department of Economics, will operate on an interdisciplinary basis.

During the year a survey of teaching methods at the School was conducted, by means of questionnaires and interviews, under the direction of Dr. P. S. Cohen, Dean of Undergraduate Studies, with the assistance of a generous research grant from the Nuffield Foundation. The results are now being analysed and will form the basis of reports and recommendations which will be among the main subjects for discussion during the coming session by the staff-student Committee on Undergraduate Studies and the staff-student committees in each department. Throughout the year these staff-student committees have continued to make valuable contributions to appraisal and adaptation of teaching methods and course content, examination procedures and many other aspects of academic activities in the School.

In order to regularise the procedures for considering whether or not an individual student should be permitted to reregister after a poor academic performance a small advisory Committee on Student Progress was established under the Chairmanship of Professor A. H. John.

#### **Buildings and accommodation**

The two long-awaited major new buildings, St. Clements extension and Clare Market, came into full use by the end of the Michaelmas term. They constitute the largest single purpose-built addition to the School's premises in its history. They have provided great improvements in staff accommodation and teaching facilities and helped to implement the policy of concentrating departments in single areas and to reduce some of the most serious fragmentation and dispersal of functional activities that previously existed. Consequential relief of pressure on accommodation made possible improvements in other areas, notably in facilities and space for the Students' Union and the Athletic Union, in new common rooms for the Graduate School and for the administrative staff, in some expansion of space for computer facilities and in additions to Library resources including extension of the Teaching Library, a room for reference works, and subject rooms for International Studies

#### *Report by the Director*

and for Economic History. For these and many earlier blessings the School is truly thankful to the Court of the University and the University Grants Committee.

Before March 1971 the School must vacate the rented accommodation it uses in 5-6 Clements Inn, which is then to be demolished to make way for new office development the price of which will be beyond the capacity of a university institution. A few of the present occupants can be accommodated in the existing premises of the School and some have already moved to alternative buildings, in particular the Medical Research Council Unit which has moved to Hanway Place while retaining its academic association with the School. A substantial number of the occupants, however, cannot be housed in space at present owned or leased by the School even if some of this is released by moving other School activities elsewhere. As the session closed, an intensive search was being made to discover rentable premises not inconveniently far from Clare Market and by the end of the long vacation a solution appeared to be within sight.

Some other important accommodation developments are mentioned later in this report in connection with student amenities.

#### **Student numbers**

The full-time student number targets for 1971-72, the last year of this quinquennium, which the Court of the University of London 'had in mind' in assessing its grants to the School, were 1,725 undergraduate and 1,206 postgraduate. The postgraduate target has since been increased by 25 through the addition of this number of places as part of the arrangements in connection with the Institute of Medical Social Workers.

The total number of full-time students in the session 1969-70 was 2,614, composed of 1,597 undergraduate and 1,017 postgraduate. For the assessment of the quinquennial targets, part-time students, for example 'Occasional' students and those whom until this year the School schedules nostalgically called 'Evening' students, do not count. This exclusion of part-time students from a target assessment which plays so critically important a part in the determination of the University Grants Committee's recurrent grants has always seemed to the University of London and to the School to be inequitable, since the part-time student is an extremely valuable member of the academic population and teaching and other services to him can constitute a substantial addition to 'work-load' and 'use of capacity'. After many years of discussion, there are now some signs that for the next quinquennium student number targets may relate to 'full-time equivalents' and these hitherto almost invisible part-time students be seen to exist.

The slight decline in student numbers during the mid-years of the quinquennium was acceptable to the School in a period of acute accommodation shortage when old buildings had been demolished and new ones not yet completed. We had, however, accepted and intend to achieve the quinquennial targets and could not continue at the 1969-70 total for the second half of the quinquennium without risking the inconveniences of having to make an abrupt increase in our new admissions for the last year. During the year, therefore, the Student Numbers Committee, together with the Admissions Committee and the Graduate School Committee, set higher quotas for new entries for the session 1970-71 and made small revisions in admissions procedures, such as increasing the number of conditional offers, without



### *Report by the Director*

any lowering of standards in selection. By the end of the session, it was clear that these steps had been successful and that the new intake for 1970 would bring the School within easy reach of its final target without resort to exceptional measures.

The decline in the proportion of overseas students continued. There was a rapid increase in the number of home-based applicants for admission to the Graduate School.

### **Student amenities**

The School possesses two halls of residence, Passfield Hall with accommodation for 158 men and women students, and Carr-Saunders Hall, the gift of the anonymous benefactor, with accommodation for 148 men students. Both have had far more applicants than they can accept during the academic session; both have had exceptionally successful experience in the past year in letting their accommodation to tourist and conference clientele in the vacations and thus receiving revenue which has assisted in delaying the inescapable rise in term-time charges which mounting costs of goods, services and wages necessitate. A special grant was made from University and School funds to replace some of the dilapidated and obsolescent furniture and equipment that Passfield Hall has had to endure for so long.

The halls not only benefit those students who are fortunate in gaining admission, but also make an important indirect contribution to the social life of the School generally. It was, therefore, with keen gratitude that we welcomed the munificent offer of the anonymous benefactor, which I mentioned in my report last year, of another hall, provided that the School could find a suitable site within a time limit. Such a site, acceptable to the benefactor, has been found and acquired on cleared ground in Rosebery Avenue within easy reach of the School. Detailed planning is now in progress and has been greatly assisted by the advice and suggestions of the two student members of the Building Committee.

The School has been a pioneer in seeking to provide residential accommodation for married graduates. It has two houses of its own for this purpose in North London and a substantial share in the intercollegiate venture, Afsil House, which is much nearer to Houghton Street. High rents and interest charges on loans have frustrated our many efforts to provide further residences for married students, while the continuing growth of the Graduate School makes the need still more urgent.

On the wider front of residential accommodation for students, graduate and undergraduate, men and women, the past year saw a development which may prove to be something of a breakthrough. By a lucky combination of circumstances, a newly completed block of forty-one flats, each with its own kitchen and bathroom, next door to Carr-Saunders Hall, became available. The School has leased them and has received a capital grant for furnishing them from the University Grants Committee through the University Court. By letting them to summer visitors during the long vacation in association with Carr-Saunders Hall facilities, it has proved possible to fix the rent charge to School students at £4 per week per head for 38 weeks on the basis of two occupants in each flat and three in the larger ones, making a total of ninety-one student residential places. The scheme provides no social space, such as common rooms and refectory, and expenditure on central services has been minimal, but it provides the privacy of a self-contained flat within a 'Student House'. The School is grateful to Mr. M. Bromwich, the Warden

### *Report by the Director*

of Carr-Saunders Hall (who is shortly leaving on appointment to a Chair in Cardiff) to whose initiative this experiment owes much.

The end of the session marked an epoch in the history of the Student Health Service, for it saw the retirement of both Sister Alexander, who joined the School staff in 1945 and Dr. J. C. Read, the head of the Service, who came to the School in 1957. They are the architects and builders of the unit, which now with a specialist staff of nine, renders an invaluable personal service to the student community. The School will remain deeply grateful to them.

### **The past 'troubles'**

It is pleasant to record that the year was one of increasing relaxation and social stability within the School community, marred only by one shameful incident when Sir William Armstrong was prevented from giving his address on 'Professionals and Professionalism in the Civil Service' on Oration Day. Injunctions were served on the two men, not members of the School, who were chiefly responsible for the disruption. Other minor events do not deserve permanent record.

One unexpected penance we now have to pay for the disturbances of 1966-67 and 1968-69 is to have to read an increasing stream of books and articles describing, analysing and interpreting those events. I doubt if these have yet brought wisdom or understanding.

### **Governance and administration**

The Students' Union still did not find it possible to accept the invitations to full membership of most of the organs of governance and administration in the School which the Court of Governors and the Academic Board had extended. The offers stand and can be accepted at any time.

Professor H. C. Edey completed his three years of arduous service as Pro-Director, the first occupant of this newly established post, and by his distinguished work in this capacity not only abundantly justified the continuation of the post as an integral part of the School's constitutional arrangements, but made a personal contribution by his wisdom and leadership for which all members of the School, and I above all, are permanently indebted. Professor Edey will be succeeded as Pro-Director by Professor A. H. John, but has generously agreed to continue for a further three years his responsibilities relating to the processes for the appointment of lecturers and staff of comparable rank.

Sir Frederic Harmer, after seventeen years' invaluable service as Vice-Chairman of the Court of Governors, asked to be released from this duty because of pressure of other commitments and has been succeeded by Mr. M. Finer, Q.C., a former student and President of the Students' Union of the School. Sir Frederic has agreed to continue as a member of the Court and as Chairman of the Building Committee. The Court, in whose membership there were several changes by individual retirements and new appointments, agreed to meet once in each term instead of twice in each session as hitherto.

The information services within the School were much improved, particularly by the development of the Staff Circular; steady progress was made in the compilation of the register of former students; without any visible interruption of its continuous services the Accounts Department computerised most of its routine procedures.

### Report by the Director

#### Colleagues

To call attention to individual staff changes would be invidious, but a notably large number of our non-professorial staff have been appointed to Chairs elsewhere. In 1968-69 members of our staff were appointed to a Chair of Statistics in the University of California, a Chair of Accounting in the University of Manchester, a Chair of Law in the University of Hong Kong, a Chair of Accounting in the University of Bristol, and a Chair of Social Administration in the University of Bristol. This year, in addition to the departures of Professor M. Freedman to the Chair of Anthropology in the University of Oxford and of Professor S. A. de Smith to the Downing Professorship of the Laws of England in the University of Cambridge, non-professorial staff have been appointed to Chairs in Accounting at the University of Wales Institute of Science and Technology, in Applied Social Studies at the University of Bradford, in Economic and Social Statistics at the University of Exeter, in Finance and Investment at the City University, in International History at the University of Leeds, in Operational Research at the University of Konstanz, and in Philosophy at the University of Otago.

It was with sorrow that the School learned of the death of four of its Honorary Fellows, Professor J. J. Anjaria, a student of the School from 1934 to 1936, Professor M. Ginsberg, who joined the staff of the School in 1921 and was Professor of Sociology from 1929 to 1954, Bertrand, Earl Russell, one of the first signatories of the School's Memorandum of Association and an occasional lecturer in 1895 to 1896, and Professor J. Viner. Further losses by death include that of our oldest graduate Mrs. Florence Mare (née Lee), who received her B.Sc.(Econ.) in 1905 and died one month before her 95th birthday.

WALTER ADAMS  
September 1970

## Academic Awards

### Scholarships and Studentships Awarded in 1970

#### (a) Awarded by the School

##### ENTRANCE SCHOLARSHIPS

##### *Scholarships for Mathematicians*

David Reid Millar  
Howard Jack Rosen  
David Leslie Shone

##### *Leverhulme Adult Scholarship*

Ivy Margaret Bowen

##### *Christie Exhibition*

Olivia Mary Harvard-Watts

##### UNDERGRADUATE AWARDS

##### *Chartered Institute of Secretaries' Scholarship*

Claude Hicks Augustus Denbow

##### *Lilian Knowles Memorial Scholarship*

Not awarded

##### *Harold Laski Scholarship*

Royston Laurence Wolfe  
David Robert Burge (*Proxime accessit*)

##### *C. S. Mactaggart Scholarships*

Not awarded

##### *Undergraduate Scholarships*

Stephen Keevash  
John Richard Gresham Mathias  
Doreen Pamela Ranger  
Howard Jack Rosen (Honorary)  
Anne Judith Weyman

##### AWARDS OPEN TO UNDERGRADUATES AND GRADUATES

##### *S. H. Bailey Scholarship in International Studies*

Kazimierz Brunicki

##### *Scholarship in International Law*

David John Champness

##### GRADUATE AWARDS

##### *Acworth Scholarship*

Not awarded

##### *Montague Burton Studentships in International Relations*

Tozun Salih Bahcheli  
Nazeem Johar de Beer  
Chaim Newman  
Alan Ronald Winberg

##### *Dunlop Studentship in Industrial Relations*

Aubrey George Smith

##### *Ford Studentship in Business Finance and Accounting*

Paul Alexander Dare

##### *Graduate Studentships*

William David Graf  
Elaine Esther Sternberg

##### *Graduate Studentships in Economics*

William Anthony Allen  
David Hargrave  
Andrew Jonathan Hughes Hallett  
Stephen Francis Dowson Powell  
Christopher Michael Geoffrey Franklyn Robinson

##### *Graduate Studentships in International Studies*

Viktor Sebek  
Alison Ann Trotter

##### *Hutchins Studentship for Women*

Grace Riestra Claire Davie

*Academic Awards : Scholarships, Studentships and Prizes*

*Rees Jeffreys Studentship in Transport*  
Not awarded

*Leverhulme Graduate Entrance Studentship for Overseas Students*  
Martha Mary Hanford

*Leverhulme Research Studentships*  
Brian John Fell  
Haworth Martin Harrop Frické

*Leverhulme Research Studentship for Overseas Students*  
Arie Brand

*Jackson Lewis Scholarship*  
Uri Almougy

*Studentship in the Economics of Latin America*  
David Charles Havsom Ransom

*Rosebery Studentship*  
James Francis O'Brien

**(b) Awarded by the University**

*Derby Studentship*  
Bernard Alan Waites

*Gerstenberg Studentship*  
Anthony Wayland Wright  
(Not taken up)

*Madge Waley Joseph Memorial Scholarship*  
Susannah Michal Ginsberg

*Loch Exhibitions*  
Alan Gunthorpe  
Christine Ann Vasey } Jointly  
John Stephen Ferris }

*Metcalfe Scholarship for Women*  
Joan Irene Head

*Metcalfe Studentship*  
Pauline Maria Ryan

*Sir Edward Stern Scholarships*  
Donald John Fraser } Jointly  
George Peter Whiting }

*University Postgraduate Studentships*  
Amiya Kumar Chakravarty  
Peter Robert Fallon

**(c) Awarded by Outside Bodies**

*Kennedy Memorial Scholarship*  
Peter John Hennessy

**Prizes Awarded in 1970**

**(a) Awarded by the School**

*Arthur Andersen Prize in Accounting*  
Roy Steele Mateer

*Bassett Memorial Prizes*  
Kenneth Harry Marks  
Anthony Wayland Wright

*Janet Beveridge Award*  
Not awarded

*Ely Devons Prizes*  
Peter John Adams  
Stephen John Nickell  
Murdo Alasdair MacDonald Smith

*Director's Essay Prize*  
Patrick George Murray Gregory

*Farr Medal and Prize*  
Stephen Edwin Gill

*Firth Award*  
Not awarded

*Gladstone Memorial Prize*  
Hugh Malcolm Macdonald

*Gonner Prize*  
James Patrick Cox

*Academic Awards: Degrees*

*Gourgey Essay Prize*  
John Nicholson

*Hobhouse Memorial Prize*  
Eileen Vartan Barker

*Hughes Parry Prize*  
Ricardo Carlos Novarro

*Mostyn Lloyd Memorial Prize*  
Geoffrey Simon Lloyd Lowles

*Jessy Mair Cup for Music*  
Joyce Duffy

*George and Hilda Ormsby Prizes*  
Adrian Christopher Armstrong  
Peter Mark Marshall } Jointly  
Eric John Westaway }

*Premchand Prize*  
Not awarded

*Raynes Undergraduate Prize*  
Anthony Wayland Wright

*Rosebery Essay Prize*  
Patrick George Murray Gregory

*School Prizes*  
Stephen Keevash  
Hassan Mohadjer-Shirvani  
Christopher Damon Munford  
Shusmita Nundy  
John Carrington Palmer  
Howard Jack Rosen  
Paul Gilbert Schulte  
Roger William Skilton  
Robert Louis Symons } Jointly  
Susan Trussler }  
Peter Andrew Waugh }

*Allyn Young Prize*  
Hassan Mohadjer-Shirvani

**(b) Awarded by Outside Bodies**

*Free Press Prize in Sociology*  
Marian Griffiths } Jointly  
Robin Ivor Mawby }

**Degrees Awarded 1969-70**

**B.Sc. (Economics) Final Examination 1970**

**Honours**

**FIRST CLASS**

Andrew John Ambler  
Richard Grenville Beville  
David Robert Burge  
Ian Douglas George  
Stephen Edwin Gill  
Richard Reginald Lewis  
Peter Mark Marshall  
Roy Steele Mateer  
Salim Rashid  
Guy Patrick Charles Thomson  
Anthony Wayland Wright

**SECOND CLASS**

*Upper Division*

Alan Argent  
David Julian Ashton  
David Colin Atkinson  
Martin Eric Augstein  
David William Azzaro  
Anthony Michael Baker  
Robert Henry Berry  
Geoffrey Best  
Richard Charles Barham Bohnel  
Ann Bone  
Ronald William Botham  
Peter Gordon Bramham  
David Briggs  
Jacqueline Brown  
Geoffrey Brunskill  
Colin Thomas Bye  
Rajendra Chandisingh  
Chin Kin Wah  
Kenneth Choo San Chwee  
Malka Brenda Cohen  
Alan Stanley Collins  
Charles David Collins  
Michael John Cooke  
David Joel Cooper  
David Edward Cox  
James Patrick Cox  
Stephen Ashley Crocker

*Academic Awards: Degrees*

David Geoffrey Cumberland  
David Philip Dalby  
Stanley Davies  
Stephen James Dennis  
Christine Mary Derbyshire  
Leonidas Drollas  
George William Ferris  
Jillian Winifred Finlan  
Robert John Garrood  
Susan Mary Gee  
James Harry Gill  
Leonard Gill  
John Gold  
Lesley Elizabeth Grayson  
Charles Peter Griffiths  
Richard Owen Griffiths  
Susan Mary Griffiths  
John Leonard Harris  
Stephen Blake Hedley  
Patricia Margaret Hill  
Kevin Hodgkinson  
Ishak Bin Shari  
Carolyn Ann Jenkins  
Phillip Darryl Johns  
Robert Arthur Jones  
Anthony Kemp-Welch  
James Anthony Keohane  
John Marcus Givens Kirkaldy  
Anne Lewis  
Gillian Ann Lewis  
Stephen Johns Lord  
Hugh Malcolm Macdonald  
Irene Olive Marshall  
Roger Marshall  
Roger Michael James Marshall  
Richard Langford Martin  
Philip Charles Laurence Mason  
Michael Herbert Milotte  
Philip James Mole  
David Charles Stuart Morrison  
John Terence Newell  
Peter Jack Nowell  
Shane Michael O'Brien  
Clifford Charles Dudley Paice  
Sarah Elizabeth Perrigo  
Barbara Joan Phelan  
Peter Ian Philips  
Michael John Power

David James Alexander Price  
Alan William Prior  
Christopher John Pryce  
Terence Charles Rawlings  
Anthony Richard Robinson  
Paul Ryder  
Peter Leslie Salisbury  
Clive Richard Sherling  
Edward Skeggs  
Alan James Southworth  
Peter Damian Spencer  
Philip Stafford  
Katherine Stamatakis  
Roger Neville Swaris  
Philip Tan Kia Kheng  
Daniel Henry Taubman  
Clive Stanley Thomas  
Nigel Tomes  
Mark Ernest Trayhorn  
Philip Wilson Turner  
Christopher David Walker  
Jane Rosalind Waller  
Brian Roger Watson  
Christer Jonathan Manwaring  
Wilkinson  
Barry Eric Wilson  
Royston Laurence Wolfe  
Eric Harrison Wooding

SECOND CLASS

*Lower Division*

Michael Leonard Abbott  
Vivien Eileen Inez Altman  
Bruce Anderson  
Stephen Paul Graham Andrew  
Keith Philip Ash  
John Kevin Ashcroft  
John Attfield  
William Albert Ball  
James Barton  
Elizabeth Clare Birks  
Paul Boothroyd  
Malcolm Stuart Britton  
John Edward Brogan  
John Michael Brook  
David George Brooks  
George Herbert Brown  
Paul Joseph Dugdale Brown

*Academic Awards: Degrees*

Vivienne Warrington Brown  
John Michael Brownlee  
Paul Michael Burnell  
Christopher Michael Burton  
Martin Bust  
Terence Callaghan  
Gerard Campbell  
Christopher Ian Caple  
Anthony George Capper  
Everette Lancelot Carberry  
Stephen George Cawley  
Gordon Mark Chivers  
Van Fah Chung Yung Kwong  
Richard John Clayton  
Ronald Paul Andrew Collard  
Roger Adrian Collier  
Michael Terence Connah  
Elizabeth Mary Cousin  
Desmond Sean Craig Waller  
Albert John Crouch  
Diane Meryl Denny  
Paul Gerrard Dewhurst  
Ian Robert James Dexter  
Frances Anne Doherty  
Andrew Christian Dorn  
Christopher Dummett  
Johanne Dussart  
Graham Patrick Dyer  
Paul Evans  
Graham John Exall  
Michael Roger Eyles  
Ian Miles Spencer Faulkner  
John Neil Fearn  
Martin Finke  
Denis Ford  
Barry Miles Forward  
Joan Ann Freedman  
Hazel Constance French  
Christopher James Garrity  
Michael Edward Garstin  
Richard Malcolm Graham  
Michael Vivian Green  
Adam John Grey Griffith  
Celia Jeanette Hanfling  
David Harris  
Christopher Julian Heller  
Henry Peter Hill  
Julian Andrew Hirst

Lisbeth Hockey  
Malcolm Kenneth Holliday  
Ashley Sydney Hood  
Peter William Hooper  
Roger David John Horne  
Margaret Mary Hotine  
Wolfgang Ulrich Jäckel  
Henry Andrew Milton James  
David Jephson  
Phyllis Johnson  
Barrie Yorath Jones  
Clive William Jones  
David Laurence Edward Keefe  
David Kenyon  
Jeremiah Francis Keohane  
Brian Kettell  
Bakhtiar Ahmed Khawaja  
Ludwig Wolfgang Anton Klitzsch  
John Adrian Langdell  
Ian David Lauriston  
Geoffrey Richard Lewis  
Mong Seng Lim  
John Trevor Cline Little  
Stephen Francis Lloyd  
Raymond John McDonald  
Paul Thomas Mangnall  
Lance Eastham Marsden  
Patrick Roland Temple Martin  
Stanley Matthews  
Bernard Robert Meakins  
Anthony Paul Millard  
Richard Nelson Mills  
Keith Roy Mitchinson  
Franklin Roger Moore  
Leonard Vincent Morphew  
Winston Shrypal Murray  
Greville John Norman  
Marian Ruth Nyman  
Mary Katharine Offord  
Richard John Partington  
Andrew James Pearson  
John Davies Platts  
Geoffrey Leonard Powell  
Kenneth Pringle  
Julian Kenneth Purnell  
David Anthony Randall  
Paul Mungo Redshaw  
Gregory Reece-Smith

*Academic Awards: Degrees*

Alan John Rees  
Derek Rich  
James Michael Richardson  
John Edward Bonner Roberts  
Brian John Rothwell  
Lloyd Anthony Rudyard Samuel  
Robert Eric Satchwell  
Victor Scott  
Gregory John Segal  
Jane Serenyi  
Patrick James Somerville  
Zubyr Illahibux Soomro  
Roy Martin Stafford  
Andrew Thomas Henry Stevenson  
Brian William Clee Stokes  
John Michael Sydney  
Lenia Sotiriou Talaridou  
Alan Teer  
Alan Christopher Thomas  
Colin Joseph Coulson Thomas  
Derek Thomas  
Peter Berkeley Thorne  
Michael Edward Townsend  
Gaynor Joan Turner  
Arthur James Tubb  
Christine Louise Walsh  
Christopher Whaley  
Robert William Whelton  
Philip Michael Whitehead  
Andrew John Wiggett  
David Gwilym Williams  
Thomas Hugh Williams  
Richard Edward Woolhouse  
John Fairbank Wyeth  
William John Wylie  
Pamela Elizabeth Young  
Richard Nigel Francis Young  
Ian Henry Zive

THIRD CLASS  
James Oliver Carroll  
Pradeep Chand  
Philip Robert Chastney  
Peter Nadim Dabbikeh  
David Barry Humphreys  
Timothy Hurst  
Syed Abrar Hasan Jilani  
Ian Jeffery Kay

Javaid Iqbal Khawaja  
Robert Hoskins Kemp  
Bo Örjan Arnesson Lindroth  
Derek John Steven Mortimer  
Anne Denise Mudd  
John Stephen Oates  
Arthur Edwin Frederick Page  
Sooryakant Dahyabhai Patel  
Nicholas Raymont  
Jonathan Digby Rogers  
Michael Thomas Salvage  
Douglas Edward Storton  
Roger Sutton  
Seyed Imran Wasti  
Gordon Wright  
Stephen John Wright

Pass  
Syed Humayun Muzaffar Aga  
Arsam Bin Damis  
Michael George Dennis  
Edward Houlsby  
David John Wildsmith Lewis  
Alan George Marchant  
Clifford Ernest Warner  
Graham Myles Watkin

**Aegrotat**  
Timothy Anthony Corcoran  
Richard David Hampshire

**B.Sc. (Sociology) Final Examination 1970**

**Honours**  
FIRST CLASS  
Eileen Vartan Barker

SECOND CLASS  
*Upper Division*  
Jennifer Susan Collins  
Jean Barbara Cresswell  
John Stuart Crowther  
Harold Augustus Eastmond  
Alison Emmott  
Marian Griffiths  
Roberta Marilyn Bryan Hall  
Martyn Ian Hammersley

*Academic Awards: Degrees*

Lucy Harington Hawes  
Judith Ann Heather  
John David Hirst  
Timothy Forbes Horan  
David Graham Morley  
Penelope Gwyneth Price Jones  
Stephen James Turner  
Stuart Anthony Varney  
Gabrielle Rosamund Wood

SECOND CLASS  
*Lower Division*  
Peter Michael Ainsley  
Barbara Ann Asherson  
Phillip David Charles Baldwin  
Ruth Elizabeth Graham Belben  
Nadine Cartner  
Julia Ann Chapman  
Raymond Eric Croucher  
Jennifer Marie Egan  
Frances Margaret Haste  
Jeffrey James Edmund Hurford  
Anne Margaret Illis  
Terence Malcolm McColl  
John Mills  
Andrew Newland  
Mary Salton  
Keith Robert Sonnet  
Gillian Katharine Belton Young

THIRD CLASS  
Kathryn Mary Alker  
Louise Aenidia Emmeline Allison  
Shun Ying Karen Chan  
Helen Maël Dickson  
Adediwura Idowu Oduniyi  
Ian Andrew Richardson  
Rosemary Schofield  
Patricia Janet Simmonds

**B.A. Honours in Sociology 1970**

SECOND CLASS  
*Upper Division*  
Julia Rose Ballard  
Caroline Elaine Cuthbertson  
Janice Juliette Dye  
Robin Ivor Mawby

Christian Nicholas Felix Molnar  
Sarah Elizabeth Neal  
Susan Elizabeth Robbins  
Ruth Marsha Swirsky  
Joseph Michael Watmore  
Helen Wolmark

SECOND CLASS  
*Lower Division*  
Barbara Lee Allen  
Jeffrey Colin Bishop  
Anthony Patrick John D'Abreu  
Gabriela Amalia Gafan  
Vivienne Mary Ravis  
Patricia Anne Tennant  
Sheila Kathleen Weston

THIRD CLASS  
Kamarudin Bin Haji Kachar

**B.Sc. in Social Anthropology 1970**

**Honours**  
SECOND CLASS  
*Upper Division*  
Richard John Bebb  
Lynne Adele McCann  
Teresa Ann Taylor

SECOND CLASS  
*Lower Division*  
Susan Mary Ford  
Gaynor Jones

**B.A. Honours in Geography 1970**

SECOND CLASS  
*Lower Division*  
Jerzy Scibor-Kaminski

**B.Sc. Main Field Geography 1970**

**Honours**  
FIRST CLASS  
Eric John Westaway

*Academic Awards: Degrees*

SECOND CLASS

*Upper Division*

Adrian Christopher Armstrong  
Jeffrey Charles Cooper  
Olav Einar Hassel  
Vincent Alfred Maroney  
John David Ratcliff  
Jennifer Mary Woollons

SECOND CLASS

*Lower Division*

Valerie Joan Allsuch  
Stephanie Maxine Davies  
John Conway Jones  
John Frederick James Lawrence  
Fiona Mary Morrison  
Gillian Margaret Page  
Paul Louis Porri  
David Arthur Sandy  
Janet Ruth Waidson  
Janice Mary Warner

THIRD CLASS

Pamela Margaret Cope  
Zofia Teresa Kortas  
John Edward Sudlow

**B.A. Honours in History 1970**

FIRST CLASS

John Anthony Blacklock  
Bernard Alan Waites  
Philip Graham Woods

SECOND CLASS

*Upper Division*

Marjorie Alison Barlow  
Peter George Davis  
Lira Helen Feigenbaum  
David Roger Hardiman  
Anne-Marie Penton  
Kevin Anthony Westley

SECOND CLASS

*Lower Division*

Adrian Kenneth Closs  
Robin Ann Colquhoun  
Mark William Hawkes Cooksley  
Allan Brian Crossman  
Sheila Gillian Henrywood

Jennifer Jones

Robert Harold Thwaites

**B.Sc. in Mathematics 1970**

**Honours**

FIRST CLASS

Roland John Beckett  
John Richard Catlow  
Paul Dennis Vishnick

SECOND CLASS

*Upper Division*

David Landon  
Phillip Rice

SECOND CLASS

*Lower Division*

Philip Charles Alexander Duffus  
Linda Mary Mitchinson  
Brian Derek Rothfeder

**Pass**

Brian George David Bostock

**B.A. Honours in Philosophy and Economics 1970**

SECOND CLASS

*Upper Division*

Andrew Owen Randall  
Isabelle Tsakok

SECOND CLASS

*Lower Division*

Anthony Charles Baker  
John George Julian Grumbar  
Richard Adrian Hall  
Ann Stewart

**LL.B. Final Examination 1970**  
(Revised Regulations)

**Honours**

FIRST CLASS

David John Beales  
James Isaac Reynolds  
Jennifer Margot Patricia Styring

*Academic Awards: Degrees*

SECOND CLASS

*Upper Division*

Rosemary Suzanne Stokes Burrows  
David Cockburn  
Colin Raymond Green  
Caroline Joan Harley  
Philip John Harris  
Lynda Jill Henderson  
Helen Anna Maria Kuenzl  
Suresh Amratlal Lakhani  
Hugh William Lander  
Richard Walter Lewis  
Rudolph Perry  
Irving Neil Stevens  
David William Tysoe  
Barrington John Wiles

SECOND CLASS

*Lower Division*

Ray Rachel Arwas  
Rowena Austin  
Susan Natasha Benenson  
Dudley Paul Bennett  
Christopher Michael Butler  
Mumtaz Begum Ramzanali Hasham  
Ebrahim  
Jonathan Fail  
Josephine Lillian Fletcher  
John William Griffiths  
Sally Jessica Hollins  
Brian Michael Frederick Jacomb  
Keith Jenkins  
David Balaban Lewis  
David Cooper Morgan  
Ian Patrick Murphy  
Ng Geok Sean  
Robin William Onions  
Lesley Marilyn Pascho  
Derek Norman Pratt  
Alwyn Ellis Roberts  
John Timothy Robinson  
Robert Joseph Smith  
Jeffrey Tesler  
John Samuel West  
Anthony Stephen Wollenberg  
Claire Francesca Louise Young

THIRD CLASS

Sharon Iriisa Black  
Edward Michael Freeman  
David Sidney Alfred Lewitt  
Michael Gibson Lockley  
Archibald Alan McFadyen  
David John Martin  
Henry Fredric Milner  
Michael André Zuckerman

**Pass**

Philip Arthur Crawford  
John Harold Freeman  
Goh Soon Heng  
Bernard Aloysius Stanislaus McNamara  
Christine Margaret Sutcliffe

**LL.B. Final Examination 1970**  
(Old Regulations)

THIRD CLASS

Guy Charles Littler

**Higher Degrees**

**M.Sc. 1969-70**

David Antony Aarons  
Elliott Abrams  
\*Peter John Adams  
Leonardo Baluyut Alejandrino  
John Amer  
Alice Hoffenberg Amsden  
Peter St. John Armstrong  
Richard Thomas Ashdown  
Carol Aviram  
Alan David Bacon  
Edwina Ruth Baher  
Michael Leggett Bailey  
Laurence Leonard Hampton Baker  
Christopher John Baldry  
Janet Irene Barber  
Kevin Anthony Barham  
Patricia Margaret Barham  
Zephyrinus Kofi Mensah Batse  
Zoila Bayley

\*Mark of Distinction awarded

*Academic Awards: Degrees*

David Keith Beecken  
David Mallory Bell  
John Bell  
Pauline Belton  
Gideon Samuel Ben-Tovim  
John Frederick Beresford  
Hyman Alan Bernstein  
Pamela Abbey Berse  
Sushilkumar Bhattacharyya  
Kay Pamela Bispham  
Mario Borrelli  
Peter Hill Braham  
Pieter Brakel  
William Harold Bruce Brittain  
Colin Stephen Brown  
David Sydney Byrne  
Peter Primo Cabrelli  
Forrest Hunter Capie  
Elaine Carlisle  
Sherry Pamela Carter  
John Arthur Carvey  
Barry Cavell  
Amiya Kumar Chakravarty  
\*Mary Christina Chamberlain  
Abeyisiri Munasinghe Chandradasa  
\*David John Chilvers  
Linda Frances Cicalese  
Edward Thomas Clark  
Mercedes Wells Clark  
Robert Allen Cocks  
Ronald William Congrave  
Paul Worrell Conway  
Richard David Cook  
Florence Eugenia Cooper  
Paul Francis Cousins  
Carol Elizabeth Coutts  
John Martin Crook  
Catherine Cecelia Currie  
Martin Curwen  
Monica Clare Davies  
Murray Leon Davis  
Peter Byard Davis  
Isobel Marie Day  
Nazeem Johar de Beer  
\*Robin Vincent Dee  
Emilio Agostino Luigi De Maria

\*Mark of Distinction awarded

Hiromi Sharon DeRoos  
\*Kemal Dervis  
Goluwa Marakkalage Piyaseela  
Dharmawansa de Silva  
Timothy Lawrence Francois Devis  
Richard de Zoysa  
Constantine Diamantis  
David Jeffrey Dorne  
Robert Carrick Douglas  
Kenneth Herbert Fewster Dyson  
Brian Anthony Eales  
Tobias William Hammersley Eckersley  
Bronwen Elizabeth Edwards  
Ioannis Neokleous Epaminondou  
Judith Ann Evans  
David Fenton  
Koruwakankanage Kirthimathie  
Fernando  
Robert Paul David Figueroa  
Kevin Patrick Fitzgerald  
David Pitt Francis  
Thomas Michael Freeman  
Martin Eugene Frost  
Duncan Ian Dunbar Gallie  
Margaret Elizabeth Geary  
Richard Charles Gee  
James Justus Geist  
Roslyn Heather Gibbs  
Michael David Maurice Gilbert  
Alan Gillie  
Harold Edward Glass  
Peter Anthony Goldsmith  
Albert David Goltz  
\*Vangipuram Navanitam Gopala  
Desikan  
Bruce Gordon-Picking  
Gillian Mary Gorrell-Barnes  
Robert Morris Grant  
Florence Theresa Green  
Michael Alan Griffiths  
Manfred Groser  
Farrokh Guiahi  
Antigonos Hadjigeorgiou  
George George Hadjimatheou  
\*Dennis Dale Hall  
Donna Jane Hamway

*Academic Awards: Degrees*

Ronald Edward Harper  
Thomas Charles Heagy  
Halit Hergin  
Stanley Heshka  
Marianne Theresa Hill  
\*John Hodgson  
Richard Christopher Holtam  
Anthony John Beresford Hope  
Jane Mary Horgan  
Frank Parker Hudson  
\*Robert Donald Hurrion  
David Hyman  
Barrie Rowland Ireton  
Mark Anthony James  
Brian James Jenkins  
Merle Audrey Elaine Johnson  
Sandra Johnson  
Betty Crichton Jones  
Sylvia Margaret Jones  
Anne Cleveland Kalicki  
Walter William Kasper  
Gordon Vivian Kass  
Eliakim Katz  
Sarita Margaret Kendall  
Donald Thomas King  
Martin Edward King  
Kenneth Albert Knight  
\*Cedric Knipe  
Bruce MacNeill Kopf  
Gregory Maurice Kostyrsky  
\*Spyridon John Latsis  
George Julius William Lavy  
David Gilbert Lawrence  
Elizabeth Michelle Lebas  
Nathan Levy  
Geoffrey Lievesley  
Yeang Eng Lim  
Peter Douglas Lindley  
Robert Michael Lindley  
Gary Maxwell Littlejohn  
\*Stanley Lubin  
David William Lucas  
Andrew Luscombe  
Shirley McGuinn  
Alexander Derek McTavish  
Stephen John Macey

\*Mark of Distinction awarded

Mary Victoria Madge  
Rerngchai Marakanonda  
Neil Alan Marks  
Vivian Marland  
Carlton Joachim Martin  
Kenneth Mayhew  
Goolam Hoosen Meeran  
Linus Chakowela Mfula  
Robert Michael M'Gonigle  
\*James Midgley  
David Peter Millard  
Henry David Ross Miller  
Dawn Rosemarie Constance Minahan  
\*Anthony Patrick Leslie Minford  
Berit Ingallil Montanari  
Abraham Moletsane Monyake  
Alison Sarah Moore  
\*Ronald James Moore  
Brian Morgan  
Ivor Dennis Morgan  
Robin Charles Moss  
Colin John Mowl  
John Colman Murray  
Freda Ariella Muscovitch  
Edward Nakhle  
Michael Nash  
Marilyn Norah Natrass  
Stafford Oliver Neil  
Ruth Nelson  
Yona Nelson  
Peter Edmund John Neville  
\*Stephen John Nickell  
Helge Wallum Nordvik  
James Andrew Nugent  
Alison Mary Oldham  
Michael Andrew Olorunfemi  
Anthony Joseph Henry Orhnia  
Gavin Bernard Hugh Osmond  
Nicolai Nikito Papove  
Selliiah Paramasamy  
Michael Eric Partner  
Kenneth Vincent Peasnell  
Perry Phillips  
Geoffrey Ponton  
Susan Margaret Porter  
William Edward Porter-Hodges

*Academic Awards: Degrees*

Thomas Gerald Michael Glyn Powell  
Glenn David Price  
Carlos Federico Prieto-Madero  
John Prust  
Rafael Quintero  
Angel Guillermo Quintero Rivera  
Manniram Rambissoon  
Sookram Ramessar  
Joan Raphael  
Leoné Lorna Ridsdale  
Brian Rigby  
Alexander Riley  
Jeffrey Edwin Rockwell  
Samuel Bryce Rollins  
Margaret Anne Rooke  
Alan Douglas Rose  
Donald Collins Roth  
David Bolton Rutherford  
David Safir  
Michael William Salamon  
Carlos-Esteban Santa-Maria-Botero  
Elizabeth Merle Schneider  
Renato Schultz Mendel  
Donald Frederick Scott  
Rita Sehgal  
Gregory Serafetinides  
\*Mira Seth  
William Terence Seward  
George Campbell Sharman  
Jeremy Frank Goddard Shearmur  
\*Abraham Shlaim  
Jerry Lawrence Siegel  
Sevan Sivacyan  
\*Dennis Smith  
Gregory Radin Smith  
Leonard David Smith  
Martin Graham Smith  
\*Murdo Alasdair MacDonald Smith  
Peter Rutherford Smith  
Martin Solity  
David Stanton  
\*Angela Evelyn Stent  
Ann Elizabeth Stephenson  
Keith Leonard Steventon  
Euthymios Stoforopoulos  
John Storey

\*Mark of Distinction awarded

Maria Ersi Styllou  
Mary Elizabeth Sullivan  
Michael John Sutton  
Christopher Sweeney  
Brian Arthur Taylor  
Rosalind Ruzica Taylor  
Thillainathan s/o Ramasamy  
William Allan Andrew Thorburn  
Peter Traynor  
Claude Trudel  
\*Susan Margaret Turner  
\*Anthony Robert Turton  
Kitson Vincent  
David Victor Irakli Wacznadze  
\*Geoffrey Ernest Walker  
Michael John Walsh  
Michael Kevin Warner  
\*Carole Webb  
Kay Weinberger  
Christopher Whitbread  
Doris Jean White  
Peter James Wildblood  
Robert Corry Woodward  
Richard Francis William Wragg  
Michael Cope Wren  
Robin Ellen Young  
David Yudelman  
Juan Carlos Zapatero Martin  
Ruth Zilkha

**M.Sc. 1968-69**

Richard Norman Vaughan, whose name was included in the 1968-69 list of candidates who were awarded the M.Sc. degree, was also awarded a Mark of Distinction.

**M.A. 1969-70**

Jessie Green Jones  
Doris Helen Kalthofer  
John Koliopoulos  
Janice Lyn Murray  
David Price  
Peter Mikami Rouse  
Robert Donald Sachs

*Academic Awards: Degrees*

**M.Sc. (Economics) 1969-70**  
(Old Regulations)

James Michael Seaman  
John George Taylor

**M.Phil. 1969-70**

Sally Pauline Abbott  
Judith Ann Adler  
Qazi Kholiuzzoman Ahmad  
Abdul Cader Lebbe Ameerali  
John Woolfe Carrier  
Richard Martin Goodridge  
Desmond James Turner Graves  
Valerie Hewett  
Peter John Inch  
Joel Simmons Kahn  
Jeffrey Lawrence Kieve  
Earl Tennyson Little  
Simbi Veke Mubako  
Cynthia Leslie Perwin  
Akshya Kumar Prafull Chandra Swain  
John Sidney Swinburne  
David Nicholas Thomas

**LL.M. 1969**

\*Michael Wilfred Adcock  
Arthur Alonso Alexander  
Robert Charles Brent  
John Patrick William Cartwright  
Keith Derrick Day  
\*Richard Alan Field  
James Edward Gould  
Robert Gratton  
Michael John Hogg  
Mohan Singh Jawl  
John Persinger Jewett  
Arnold Kasseoy  
Hamed Oladepo Kusamotu  
John Douglas McCamus  
David Hugh McDermid  
Maria Victoria Manduke  
Joseph Simon Mirwitch  
David Richard Penton Mole

\*Mark of Distinction Awarded

Fereydoun Nahai  
John William Osborne  
Viktor Sebek  
Harvey Barry Shulman  
George Radmore Stewart  
Ian Paterson Strachan  
Michael Carmody Walls  
Thompson Ashayegbeonetiaye  
Yonwuren

**Ph.D. 1969-70**

John Horton Amsden  
Nissim Aranya  
Sidney Aster  
John Barrington Beare (External)  
Pierre Beaucauge  
Colin Malcolm Brown  
Christopher Robin Bryant  
Radharaman Chakrabarti  
Eleftherios Charatsis  
David Thomas Charles  
William Edward Christian  
Stanley Cohen  
Neville Thomas Colclough  
Conal Stratford Condren  
Samuel Kofi Date-Bah  
Patrick Laurie Davies  
Emanuel Jehuda de Kadt  
Ann Barden Denis  
Christine Veronica Downtown  
John Wagner Durston  
Amita Dutta  
Maria Aranzazu Echezarreta  
John Richard Eiser  
Michael Peter Feiner  
John Sinclair Robertson Goodlad  
Ivor Owen Grattan-Guinness  
Mark Oliver Harvey  
Michael Dennis Henderson  
David Forbes Hendry  
David Wesley Howell  
Robert Edwards Hunter  
John Peter Huttman  
Daniel Jacobsohn  
Randolph Charles Kent



*Academic Awards: Degrees*

Russell Leonard King  
John Malcolm Kirby  
Ran Kochan  
Gregor Koolman  
Hartmut Kopsch  
Aziz Noormohamed Kurtha  
Haraprasad Kusari  
Edward Arthur Kuska  
Robert Boyden Lamb  
Alan John Frank Lee  
Winifred Alice McDougald  
Edelgard Elsbeth Mahant  
Ashok Kumar Mathur  
Michael Alfred Mills  
Leon Dolliver Macaulay Nelson  
Otto Newman  
Thomas Alistair John Nicholson  
Shizuya Nishimura  
Noel Kerry O'Sullivan  
Sheila Caffyn Patterson  
Charles Corrie Pentland  
Oliver Popenoe  
Claude Rondeau  
John Christopher Robin Rowley  
Anne Clark Sharman  
Michael Shefer  
David Silverman  
Kokuhennadige Upajeewa Sirinanda  
Anthony David Stephen Smith (External)  
Pravinchandra Kantilal Trivedi  
Panayotis Tzortzopoulos  
Keith Vernon  
Elizabeth Ann Weinberg  
Douglas Bryan Whatley  
James Harrison White  
Christine Margaret Elizabeth Whitehead  
David Sydney Mabe Williams  
Patricia Mary Williams  
Clifford Ronald Wymer

**Diploma (Awarded by the University of London)**

**Academic Postgraduate Diploma in Anthropology 1970**

David John Jeffrey Brown  
Anne Dudley Cocke

Cesar Augusto Garcia Victoria  
Rita Theresa Hayes  
Jacqueline Gay Sarsby  
Catherine Mary Young

**Diplomas (Awarded by the School)**

**Diploma in Statistics 1970**

Christine Callum  
John Doyle  
Antonio Espasa  
Ian Richard Courtney Gardiner  
Adetunji Adedoyin Masominu  
Bright Nyondo  
Murtala Olaitan Raji  
Saravanamutthu Shanmugamany  
Abimbola Sylvester Justinian Horatio Young  
Helen Elizabeth Young

**Diploma in Development Administration 1970**

PASS  
Rafiq Hussain Agha  
Miguel Jose Bolivar  
William Peter Casey  
Dilly George Chimalizeni  
Toufik Rajah Ibrahim  
Rajendra Jain  
Manzur Ul Karim  
Abul Kalam Muhammad Shamsul Huq Khan  
Chitral Ranjit Kuruppu  
Bertie Austin Maosa  
Prem Narain Mittal  
Lawrence Turinkyeni Mwamlima  
Colandavelu Narayanasamy  
Ilhan Onsan  
Khan Muhammed Rafiqur Rahman  
Mahinda Brian Senanayake  
Gardiye Punchi Hewage Leelananda Silva  
Antonio Jose Urdinola

*Academic Awards: Diplomas*

**Diploma in Social Administration for Graduates 1970**

**DISTINCTION**

Frances Mary Avery Wilson

**PASS**

Esther Linda Abinun  
Peggy Anne Banks  
Harriet Grace Bretherton  
Colin George Bridges  
Anne Margaret Burden  
Michael Standish Piers Butler  
Sara Jane Clethero  
Eva Patricia Marilyn Collyer  
Patricia Carolyn Copestake  
Margaret Rose Crate  
Frances Mary Crowther  
Jill Evelyn Cummings  
Marion Valerie Cutting  
Gwyneth Roberta Daniel  
Alison Mary Dewar  
Patricia Mary Duhan  
Simon Egert  
David Gwyn Birtwisle Evans  
Kenneth Roy Evans  
Rosemary Elizabeth Forster  
Sarah Judith Garstang  
Margaret Elaine Gilbert  
Charlotte Judith Gray  
Richard Derek Grover  
Christine Margaret Haig  
Frank Hancock  
Michael John Holdom  
Susan Patricia Horner  
William Edward Prentice Kenny  
Elizabeth Jean Kinross  
Charles Nicholas Lewis  
Katherine Litchfield  
Ian Andrew Noel Litterick  
Carol McGowan  
Anne Teresa McGuckin  
Ruth Monica Matthews  
Margaret Berry Mayall  
Mary O'Sullivan  
Robert Cochrane Parker  
Caroline Anne Pearson  
Derek John Relph

Margaret Elizabeth Ronnebeck  
Ruth Saunders  
Bartle Andrew Craig Sawbridge  
Jacqueline Frances Shreeve  
Christine Stander  
Avril Tollan  
Angela Tuck  
Janet Anne Young

**Diploma in Social Administration for Non-Graduates 1970**

**DISTINCTION**

Geoffrey Simon Lloyd Lowles  
Audrey Gillian Walt

**PASS**

Rosemary Arber  
Mary Lilian Baldwin  
Christine Margaret Bayliss  
John Andrew Cooper  
Peter Corfield  
Christopher George Davies  
Shawn McCay Davies  
David John Green  
John Gerard Hearty  
William George Nelson James  
Anthony Nevill Kendall  
David Charles Kogan  
Michael Charles Lally  
Annette Barbara Low  
Mary Sheila McVean  
David William Marshall  
Henrietta Loveday Mayne  
Corinne Mavis Valerie Moore  
David Reginald Perchard  
Marion Teresa Perchard  
Patricia Helen Roberts  
Gavton Othman Shepherd

**Diploma in Social Administration for Graduates (Overseas Course) 1970**

**PASS**

Amal Arbab  
Pauline Marie Drew  
Ahmed Guennoun  
Hyung Shik Kim  
Syed Hassan Zaidi

*Academic Awards: Diplomas*

**Diploma in Social Administration for  
Non-Graduates (Overseas Course) 1970**

PASS

Charles Hines

**Diploma in Applied Social Studies 1970**

PASS

David Robert Bell  
Ruth Eveline Clarke  
Shirley Davison  
Helen Elizabeth Dye  
Paul Vincent Fallon  
Felix Reginald Fernando  
Keath Macalister Gardner  
Diane Gunthorpe  
James Richard Hodgkinson  
Kathryn Hudson  
Molly Evelyn Grace Knight  
Jennifer Ann Lumley  
Julia Mellows  
Anthony John Milnes  
Dorothy Minett  
Gillian Mary Mitcheson  
Colin Henry Morgan  
Pauline Maud Pidgeon  
Wendy Vivien Poulter  
David Hindley Straker  
Ralph Tonks  
Judith Kathleen Verity  
Sheila Elizabeth Waddington  
Patricia Ann Williams

**Diploma for Social Workers in Mental  
Health 1970**

DISTINCTION

Judith Mary Atkinson  
Beryl Cooke

PASS

David William Anderson  
David Athron  
Sandra Rachelle Beenstock  
Evelyn Rosalind Marion Broomhall

Olive Margaret Butland  
Carol Ann Cooknell  
James Anthony Crawley  
Gordon John Humphreys  
Elizabeth Ann Izzard  
Margaret Jean Jacks  
Ellen Judith Lewinberg  
Elizabeth Jane McLachlan  
Louis Osborne Marteau  
Satya Pal Mehta  
Bernard Alexander Rapkin  
Norma Aneta Roach  
Corinne Sara Shamrock  
Peter William Smallridge  
Audrey Joyce Stern  
Katherine Petronella Stewart  
Frances Vivien Thomson  
Molly Walker  
Barbara White  
Helen Winterbottom

**Diploma in Personnel Management 1970**

PASS

Olanrewaja Akintola  
Rabbian Ali-Khan  
Geoffrey Robin Cohen  
Anne Davie Cuthill  
Richard Dickson  
Peter Malcolm Downes  
James Richard Brian Field  
Peter Firth  
\*Sheila Mary Forbes  
Susan Fox  
Gillian Margaret Green  
Geoffrey Hicks  
Denis Cyril Hollingworth  
Sally Ann Horntvedt  
Cherry Anne Hunter  
Villiers Ross Jamieson  
Christopher Frank Jarvis  
Marie Simon Francis Masson  
Gertrude Anne Mulhall  
Janine Elizabeth Nahapiet  
Stephen Joseph Orrell  
Timothy Charles Osborn-Jones

\*Distinction in viva examination

*Academic Awards: Diplomas*

Stanley Bert Petzall  
Joan Margaret Poock  
Margaret Elizabeth Pugh  
Sarah Robertson  
Peter Stephen Schneider  
Michael Emmanuel Stein  
Peter Ashmore Wharton

## Athletic Awards

**Steel-Maitland Cup**  
Brian John Rothwell

**Steel-Maitland Cup for Women**

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**Wilson Potter Cup**  
Vivien Ruth Williams

**Ernest Cornwall Cup**  
Tennis Club

**Wiseman Cup**

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## Open Day Awards

**Gutteridge Tug-of-War Cup**  
Staff

**MacDuff Cup**  
John Stuart Clarkson's side

## Research

The School has, from its foundation, been a leading centre of research in social studies and has sought to provide good research facilities for members of the teaching staff and for graduate students. Furthermore, in order to preserve the freedom of staff to pursue research in their own way, the aim of the School has been to keep administrative organization concerned with research to a minimum consistent with adequate financial control and flexible enough to allow for the variety of research undertaken and for the rapid changes in the ways in which research is pursued. To this end there is a Research Committee whose terms of reference are as follows:

1. To encourage and facilitate research appropriate to the School as an academic centre of scholarship and teaching in social studies.
2. To keep under general review the research activities of the School and:
  - (a) seek to initiate and to secure means for the development of research
  - (b) receive for assessment all new proposals for research or for extensions of existing research projects, which involve commitments on School funds and resources, other than the personal research of members of the staff or research financed from the Staff Research Fund
  - (c) make recommendations to the Director concerning proposed applications by the School or by members of the staff to outside bodies for research funds for which if granted the School would be accountable
  - (d) make recommendations to the Director concerning the amount of the allocation to be voted annually to the Staff Research Fund
  - (e) receive annual reports on the use of all research funds and grants for which the School is accountable

There is a Staff Research Fund Committee which is responsible for advising the Research Committee on the allocation of the Staff Research Fund to research divisions and to individual members of staff who are not members of divisions. The Committee also receives reports on research carried out with the aid of the Fund.

### The Research Divisions

There are at present seven research divisions, which include most members of the teaching staff. They are:

- (i) the Economics Research Division, which includes the staffs of the Economics and Economic History departments
- (ii) the Geographical and Anthropological Research Division
- (iii) the Government Research Division
- (iv) the International Studies Research Division, which includes the staffs of the departments of International History and International Relations
- (v) the Legal Research Division
- (vi) the Social Research Division, which includes the staffs of the departments of Social Psychology, Social Science and Administration and of Sociology
- (vii) the Statistics Research Division

## Research

Any member of the staff who does not belong to one of these divisions may seek assistance on an individual basis by direct application to the Staff Research Fund Committee.

The divisions are concerned mainly with 'project research' and provide assistance to individual teachers on an *ad hoc* basis. Two divisions have, however, developed other functions:

- (a) The Economics Research Division has established a basic staff of research assistants, whose services are available to all members of the Division, and an Economic Documentation and Research Centre where information is collected. To this extent this division may be said to be becoming also a centre of 'subject research'.
- (b) The Statistics Research Division also offers an advisory service to staff and graduate students throughout the School on statistical methods and their application, and maintains a small research library, the Leverhulme Library, for staff use.

The Computer Services Unit has set up an experimental data retrieval scheme for articles published in the principal statistical journals. Any member of the School may obtain from the statistical journals at present in the scheme, details of any articles written by a specified author or containing a given word or group of words in the title. Information about references to or from the articles is also given.

A Unit in Operational Research has been established within this Division to provide a centre at which new theoretical problems in this field can be attacked, to provide graduate students with practical experience and to provide advice and information for operational research workers.

It is characteristic of much research in social studies today that it is co-operative in many different ways. Many projects are joint ventures in which several members of the staff share; some involve co-operation between several academic disciplines; some are pursued in collaboration with outside agencies, public and private, and with other colleges both in the United Kingdom and overseas. These have often been most fruitful in contributing both to the solution of urgent social and economic problems and to the enrichment of academic knowledge and the stimulation of the development of new techniques of enquiry.

The units described in the following paragraphs are mainly concerned with projects of this kind.

### Centre for International Studies

The Centre for International Studies was established at the School in 1967, with the aid of a grant from the Ford Foundation. Whilst the prime concern of the Centre lies in the broad field of international studies, special attention is devoted to research and training in Soviet studies, including Russian and East European studies, and the study of International Communism; in Asian studies with special emphasis on development within China, and on China's relations with the outside world; and in European studies where, initially, a major concern is with the pattern of East-West relations, political, economic and cultural, in Europe.

In pursuance of this programme, the Centre has to date appointed eight Research Fellows. In addition to Mr. J. D. Duncanson, Dr. M. Pearton, Mr. L. Blit, Mr. J.

## Research

Gittings, and Dr. A. L. Unger, details of whose work were set out in the Calendars for the sessions 1968-69 and 1969-70, three further appointments were made in 1970-71: Mr. M. Bourdeaux, who worked on the foreign policy of the Eastern European churches; Dr. L. Hirszowicz, who is working on Soviet foreign policy in the Middle East in the last years of Stalin's rule; and Mr. M. B. Yahuda, who worked on concepts of political legitimacy in the Chinese People's Republic since 1949. The Centre has also awarded studentships to fourteen graduates. It is worthy of note that half the holders of Centre awards made up to the current year have already obtained university appointments. Fifteen Visiting Fellows have also been able to spend some time at the Centre, taking part in seminars, as well as conducting their own research.

Otherwise, the Centre's main activity has been the promotion of a seminar on East-West Relations in Europe, within which, on the initiative of the Comparative Politics Group, and with the support of the Social Science Research Council, particular attention is being paid to the political impact of economic decentralisation in Yugoslavia, Poland and Czechoslovakia. Professor Ghita Ionescu has been appointed a Visiting Fellow of the Centre, to co-ordinate the work of the different groups which are conducting research into different aspects of this problem.

A seminar is also being run on Asia and the Pacific in International Relations, particular attention being given to China's relations with her neighbours and other great powers, while the Centre also assists in a joint Chatham House/L.S.E. seminar on European Studies.

The work of the Centre is directed by a Steering Committee under the Chairmanship of Professor G. L. Goodwin, consisting of: Professor A. H. John, Dr. C. M. Bell, Professor M. Freedman, Professor G. Ionescu, Professor H. G. Johnson, Professor J. B. Joll, Dr. I. Lapenna, Dr. M. Leifer, Dr. P. H. Lyon, Dr. I. H. Nish, Professor F. S. Northedge, Mr. P. Reddaway, Professor L. B. Shapiro, Mr. G. H. Stern, Mr. D. C. Watt, Professor P. J. de la F. Wiles, Mr. P. Windsor.

### Centre for Urban Economics

The Centre for Urban Economics was established in September 1970 to undertake research in urban economics. It is part of the Economics department. Contact has been established and will be maintained with members of other departments working on urban problems. As it has been so recently established, it is still formulating its research programme. It seems likely that projects will include research into several of the following:

The Central London labour market and how this is affected by employment, population and spatial trends in the metropolitan area.

The finance and expenditure of central in relation to local government.

Forecasting housing supply and demand in relation to a number of macro-economic variables.

Theoretical work in urban modelling.

The development of cost benefit techniques for planning studies.

The evaluation of urban transport policies within a formal model framework. The Centre has already begun a project to bring together a group to write a description, analysis and critique of the methods used in urban transportation studies.

Members of the Centre are organizing courses in urban and transport economics for the M.Sc. in Economics and co-operating with other departments on courses in

## Research

urban economics for graduates not specialising in economics. The Head of the Centre is Mr. C. D. Foster.

### Greater London Group

This interdisciplinary group was formed in 1958 under the stimulus provided by the appointment of the Royal Commission on Local Government in Greater London. The appreciation of the value of the evidence which the Group presented to the Commission led to continued research into a number of subjects relating to local government in London and the south-east region, the range of which is indicated by the appended list of publications. In addition, two reports commissioned from the Group by the Royal Commission on Local Government in England were published by H.M.S.O. in 1968: they dealt with local government in south-east England and the lessons of the Greater London reforms.

The Group is currently engaged on a major project examining transport and traffic administration in Greater London. Another large research project has recently been completed, comprising a history and evaluation of the reform of London Government, the first part of which has been published (see books below) and the second part, *The New Government of London: The First Five Years*, is now with the publishers. A separate study is being made of the introduction of the new system of local government in the London Borough of Camden.

It is hoped to undertake two new projects in the near future. One is an attempt to provide a national framework within which the planning and development of the central area of London can take place. Initially two studies will be made: one on the linkages between the various functions of the central area; the other on the present and future manpower needs of the chief service industries of that area.

The second project will be concerned with the political decision-making process in the London boroughs to ascertain the relative importance of the elected members, the officers, the press, local organization pressure groups and individuals.

The Group has received grants of £18,300 from the Nuffield Foundation, £13,000 from the Leverhulme Trust, £12,565 from the Social Science Research Council, £8,000 from the Royal Commission on Local Government, £3,500 from the Ministry of Housing and Local Government and £2,000 from the City Parochial Foundation.

The Chairman of the Group is Professor W. A. Robson, the Vice-Chairman is Professor P. J. O. Self, the Secretary is Mr. M. F. Collins.

### 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.

\*Public lectures delivered under the auspices of the Group.

## Research

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

### Books

*London Government and the Welfare Services*, S. K. Ruck.

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

*The Government of London: The Struggle for Reform*, G. Rhodes.

### Higher Education Research Unit

The Unit undertakes research on various economic and statistical aspects of higher education. Its research relates to methods of educational planning at national level, the relationship between what is provided in higher education and labour force needs, and the costs and operation of institutions of higher education. Part of the Unit's efforts is devoted to educational planning in developing countries.

Current projects include: student numbers and resource allocation in higher education; the costs of education; and three studies in the field of manpower planning: the demand for social scientists, a post-mortem of manpower forecasting and an international comparison of rates of return to investment in education. Several projects have now been completed, each resulting in a major publication. Thirteen books have been published, five by Oliver and Boyd: *Graduate School: A Study of Graduate Work at the London School of Economics*; *Manpower and Educational Development in India 1961-1986*; *The Utilization of Educated Manpower in Industry*; *Educational Finance: its Sources and Uses in the United Kingdom* and *Education and Manpower: Theoretical Models and Empirical Applications*; six by Allen Lane, The Penguin Press: *Decision Models for Educational Planning*; *The Causes of Graduate Unemployment in India*; *Paying for Private Schools*; *Policy and Practice: the Colleges of Advanced Technology*; *Qualified Manpower and Economic Performance: an Interfirm Analysis of the Electrical Engineering Industry*; and *A Fair Start: the Provision of Nursery Education* (in the series 'L.S.E. Studies on Education'); one Penguin Education Special: *The Impact of Robbins: Expansion in Higher Education*; and one by O.E.C.D.: *Statistics of the Occupational and Educational Structure of the Labour Force in 53 Countries*. The following are in preparation or in the press: *Higher Education and the State*; *A Model of the British Secondary School System*; *Academics in an Age of Change*; and *The Provision of Management Education in Britain Today*. Other reports on completed projects include: 'Trends in University Entry: An Inter-country Comparison' in *Social Objectives in Educational Planning* published by O.E.C.D. and 'A Cost-Benefit Analysis of Industrial Training' published in the *British Journal of Industrial Relations*. Journal articles by members of the Unit are issued in the Unit's Reprint Series: forty-four to date. A report on the Unit's work from 1964 to 1968 entitled *The First Five Years* was published in July 1969. As well as covering research completed, it describes the Unit's administrative, financial and teaching aspects and outlines future plans.

Financial support for the Unit has come from the Nuffield Foundation (two grants), the Social Science Research Council (two grants), the Department of Education and Science (five grants), O.E.C.D. (three grants), the Ford Foundation (three grants), the former Ministry of Overseas Development (two grants), the Department of Employment, the National Board for Prices and Incomes, the

## Research

National Economic Development Office (three grants), and the London School of Economics, and now totals some £540,000.

The research staff of the Unit is: Director, Professor C. A. Moser; Associate Director, Mr. G. L. Williams; Deputy Director, Mr. P. R. G. Layard; Research Secretary, Miss J. A. Pinney; three Research Fellows; one Senior Research Officer; six Research Officers; four Research Assistants; and six Consultants.

Apart from its research, the Unit runs four courses: a workshop and a research seminar in the Economics of Education, each held fortnightly throughout the session, a lecture course in the Economics of Education (eighteen lectures) and one on Statistical Aspects of Educational Planning (fifteen lectures). The students who attend these courses are mainly graduates taking the Educational Statistics option for the M.Sc. in Statistics, the Educational Administration option for the M.Sc. in Social Administration and the option in Economics of Education and Human Capital for the M.Sc. in Economics. The Unit also organizes a Seminar in Educational Planning and various informal activities in the economics of education.

### Industrial Relations and Work Behaviour Research Unit

This Unit was formed to bring together the research activities of the Industrial Relations department, the Building Management Research Unit and the Diploma in Personnel Management Course of the department of Social Science and Administration. The research of the Unit is under the direction of Professor B. C. Roberts, Baroness Seear and Mr. K. E. Thurley.

Current research includes S.S.R.C. financed projects investigating industrial relations problems of multi-national corporations; the growth of legal services and policy and trades unions and firms; the process of organizational change in large public organizations. Studies of housing maintenance organizations within local and national government and of port management organization are also being carried out.

### Management Studies Research Division

The Management Studies Research Division, which is financed partly by funds drawn from outside bodies, is concerned primarily with the development of studies at the School germane to management problems, covering such fields as administrative theory, structure and procedures; mathematical and statistical methods applied to decision-making; computer programming and data processing; accounting for management; the economics and finance of public and private enterprises; and industrial relations. Its work is directed by a committee of management under the chairmanship of Professor H. C. Edey, consisting of Professor A. S. Douglas, Professor J. Durbin, Professor B. C. Roberts, Baroness Seear, Professor P. J. O. Self and Professor B. S. Yamey.

### Medical Research Council Unit (20 Hanway Place, W1P 0AS)

The Medical Research Council Unit was established at the School in April 1962 to study problems on the borderline of sociology and medicine. The Unit is undertaking first a large-scale national study of health and development, and second a number of smaller developmental studies of infants and young children.

The work of the National Survey covers four main areas: (a) the educational histories of the 5,000 young people in the sample, more than 600 of whom have entered universities or training colleges. Miss E. Atkins and Mr. M. Lowe are in

## Research

charge of this part of the study. (b) The employment and vocational training of those who have left school and are not continuing with full-time education. This part of the study is in the hands of Miss N. Cherry, who, with the help of youth employment officers throughout the country is looking at further education and apprenticeships among school leavers, the types of job they have taken, the reason for taking them and the time they have lost from work. (c) The home background, educational record and emotional adjustment of those who come before the Courts. (d) A study of the second generation families. These last two studies are in the care of Mr. M. E. J. Wadsworth.

The developmental studies of infants and young children are of two types. Dr. A. Costello and Dr. Margaret Lamont are using a twin sample to study the ways in which the personal characteristics of very young children influence the care they receive. Mrs. E. Cooper and Dr. D. Ingleby are studying the factors that influence the early adjustment and progress of children when they enter the infant schools. The Director of the Unit is Dr. J. W. B. Douglas and the Secretary is Miss E. Pollard.

### Population Investigation Committee

The Population Investigation Committee 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, acts as adviser to the School on questions of demographic research and teaching, and collaborates with the School in the provision of postgraduate training in demography. The Committee undertakes investigations into population problems and publishes a journal *Population Studies*.

A major investigation undertaken under the auspices of the Committee has been the National Survey of the Health and Development of Children, carried out in co-operation with the Institute of Child Health and the Society of Medical Officers of Health. Reports on the survey include twenty-four published papers and three books—*Maternity in Great Britain* by the National Survey Committee, *Children under Five* by J. W. B. Douglas and J. M. Blomfield and *The Home and the School* by J. W. B. Douglas.

A further extension of this study is continuing under the direction of Dr. Douglas through the Unit (of which he is the Director) established by the Medical Research Council in collaboration with the School.

The Committee has also co-operated with the Scottish Council for Research in Education in their follow-up survey of Scottish school children—a survey which has resulted in the publication of several books.

Part of the continuing research of the committee is the study of changes in marriage and divorce in England and Wales over the past hundred years. Several reports have been published. A collection of documentary materials on marriage and divorce has been built up and analysed. The documentary study was complemented by a stratified sample survey covering a national sample of 3,000 households. This survey, multi-purpose in character, covered not only a number of aspects of marriage, but also detailed questions on fertility and birth control. Several papers have been published dealing in particular with the changing incidence of birth control practice in Great Britain.

Another major enquiry consisted of a demographic study of the British Peerage, covering a period from the beginning of the seventeenth century to the early twentieth century—a study of fundamental importance as a contribution to historical

## Research

demography. The results of this study were published as a supplement to *Population Studies*—T. H. Hollingsworth, *The Demography of the British Peerage* (Supplement to Volume 18, No. 2, November, 1964).

During the past four years the research of the Population Investigation Committee has been concerned especially with questions of current marriage and fertility patterns in Britain. A pilot study was undertaken covering questions on family size and expected additional fertility as a basis for a national enquiry. A full-scale enquiry into fertility and birth control practice in Britain was launched in 1967. Three papers presenting preliminary results have been published in advance of the completion of a full report. The Committee is also involved in research concerning population questions in developing countries and, at the request of the Government of Mauritius, is helping to evaluate the birth control programme in that country.

In collaboration with the School, the Committee has organized a postgraduate training programme in demography, focussed upon developing societies, but also accepting students from developed societies. Since its establishment in 1965, eighty-five students have been admitted to the programme. New methodological research has been undertaken in connection with the training programme, with the object of providing more effective techniques for detecting and correcting errors in poor basic demographic data.

The Committee has received financial support from many bodies including the following: Department of Scientific and Industrial Research, the Social Science Research Council, the Ford Foundation, the Home Office, the International Planned Parenthood Federation, the Nuffield Foundation, the Simon Population Trust, the Population Council Incorporated of New York and the Rockefeller Foundation. The Chairman of the Committee is Professor D. V. Glass; the Hon. Research Secretary is Mr. N. H. Carrier and the General Secretary is Mrs. D. Castle.

### Survey Research Centre (54-58 Wardour Street, W1)

The Survey Research Centre tests and develops research procedures; gives teaching and training courses in the methods of social and business research; provides information and research-summarising services concerned with research methodology, and conducts social investigations.

From 1 November 1971, the Centre will become the Institute of Research Techniques, and will be independent of the School, though the School will nominate one or two members to the Institute's Council of Trustees. The Centre is supported by subscriptions from social, academic and business organizations in the United Kingdom and abroad. It is hoped to increase the number of subscribers and to develop the Centre on an international basis. Suggestions for methodological projects are invited from subscribers and others who are interested in the work of the Centre.

The Centre has made a series of studies, supported by the Home Office, of the development of juvenile delinquency. It has also made an intensive study of teaching methods in the School. Current projects include a three-year study of the relationship between the police and the public in London, sponsored by the Home Office and an investigation of the relationship between long-term exposure to television violence and the attitudes/behaviour of adolescent boys, sponsored by the Columbia Broadcasting System. Other projects include studies of interviewer performance; the identification and development of additional general purpose classifying variables for use in survey research and studies of sample bias.

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The Centre has established courses of training in research techniques, which are very well attended. This year there will again be a number of free places available to L.S.E. graduate students. The Technical Services Unit is responsible for the coding and preliminary processing of survey data. These services are available to members of the School at cost: enquiries to Mrs. J. Rowat. A library, dealing with the techniques of research, is under the direction of Mrs. B. A. Thompson, who is preparing an indexed bibliography of literature dealing with research techniques. There is also a Research Summarising Service, through which any major published contribution to research methodology is summarised in relatively non-technical language and circulated to subscriber organizations and to members of the School.

The Centre has published over forty papers on aspects of research methodology, a large number of major duplicated reports and several books. There is a Reprint Series of papers published by Centre members. Items in this series are circulated internationally to social scientists interested in research methodology. The new bibliography of the Centre is published jointly by the School and Crosby Lockwood and Son Limited.

The research staff of the Centre is: Director, Dr. W. A. Belson; two Senior Research Officers; three Research Officers; seven Research Assistants.

### Other Aspects of Research

Whilst some research activity is financed from School funds, the greater part of it is supported by public sources of research grants, by research foundations and by benefactions from industry and individuals. Reference to some of this support has been made in the preceding paragraphs about the larger units engaged upon co-operative projects. Earlier benefactions have provided support for a wide range of other research projects, some of them extending over several years.

The School has also been glad to accept grants from outside bodies which have made possible the establishment of fellowships, thereby enabling scholars to undertake on a full-time basis investigations the pursuit of which would scarcely have been possible if combined with the heavy burdens of teaching duties.

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 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 London University, students and staff of the School have access to the University computer facilities. These comprise the London University CDC 6400 and 6600 computers at Guilford Street; the London University ICL Atlas at Gordon Square; the IBM 360/65 at University College; the 1905E at Queen Mary College; the CDC 6400 and IBM 7094 at Imperial College and the ICL Atlas at Chilton. The School is directly linked through a card reader and line printer and by

### Research

means of a number of video keyboard and teletype terminals to the CDC 6600 computer. In addition, the School shares a CDC 1700 computer at King's College, which is also directly linked to the central 6600.

It is the policy of London University to charge all users who are in receipt of research grants with a financial provision for computing, the direct cost of computer time. All other users have free access to the computer although small charges may be made for the hire of magnetic tapes or discs, and the use of stationery.

A computer service comprising data preparation, computer operating, programming and advisory services, is provided under a Manager of the Computer Unit. A very comprehensive range of programs designed for the use of social scientists is available to members of the School.

A Computer Services Management Committee, is responsible for the appraisal of the long-term computing requirements of the School. In addition, all departments are represented on a Computer Services Users Committee, which represents the views of computer users to the Management Committee.

### Publications by Members of the Staff from 1 August 1969 to 31 July 1970

(This list includes some publications that were not available for inclusion in the list for 1968-69)

#### Accounting

##### Professor H. C. Edey

(Editor with B. V. Carsberg) *Modern Financial Management* (Penguin, 1969)

'Uniformity in Profit Measurement' (*The Accountant*, 25 October 1969)

'Educating the Future CAs' (*Accountancy Age*, 20 February 1970)

(Member of Drafting Sub-Committee) *An Introduction to Engineering Economics* (The Institution of Civil Engineers, 1969)

#### Anthropology

##### Dr. M. E. F. Bloch

'Primitive Land Tenure' (*Encyclopaedia Britannica*, 1970)

##### Mr. J. A. W. Forge

(With J. Hubert and R. Firth) *Methods of Study of Middle-Class Kinship in London: History of an Anthropological Project (Occasional Paper, Department of Anthropology, L.S.E., 1969)*

'Moonmagic' (*New Society*, 17 July 1969)

(With R. Firth and J. Hubert) *Families and their Relatives: Kinship in a Middle-Class Sector of London: An Anthropological Study* (Routledge and Kegan Paul, 1970)

'Learning to See in New Guinea' in P. Mayer (Ed.), *Socialization: The Approach, from Social Anthropology* (A.S.A. Monographs, No. 8) (Tavistock Publications 1970)

##### Professor M. Freedman

*Lineage Organization in Southeastern China*, 2nd paperback edn. (Athlone Press, May 1970)

(Editor and Contributor) *Family and Kinship in Chinese Society* (Stanford University Press, March 1970)

'Why China?' (*Proceedings of the Royal Anthropological Institute of Great Britain and Ireland*, 1969, June 1970)

'The Chinese in Southeast Asia: A Longer View' in R. O. Tilman (Ed.), *Man, State, and Society in Contemporary Southeast Asia* (Praeger, 1969)

##### Professor E. A. Gellner

*Saints of the Atlas* (Weidenfeld and Nicolson; University of Chicago Press, 1969)

'Saints of the Atlas' in L. E. Sweet (Ed.), *An Anthropological Reader, Peoples and Cultures of the Middle East* (Natural History Press, New York, 1970)

'Political and Religious Organisation of the Berbers of the Central High Atlas'



## Publications

(VII Congrès International des Sciences anthropologiques et ethnologiques, Moscow, Nauka, 1967, Vol. IV)

### Dr. J. S. La Fontaine

*City Politics: A Study of Léopoldville 1962-63* (C.U.P., 1970)

'Tribalism Among the Gisu: An Anthropological Approach' in P. H. Gulliver (Ed.), *Tradition and Transition in East Africa* (Routledge and Kegan Paul, 1969)

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### Professor I. M. Lewis

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## Demography

### Professor D. V. Glass

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(With others) 'Demography and Economics'

(With others) 'Family Planning - Ends and Means'

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'The Registrar General and Demographic Studies in England and Wales'

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### Mr. C. M. Langford

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## Economics

### Mr. R. F. G. Alford

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### Professor P. T. Bauer

'Foreign Aid' (*Ceres*, January-February, 1970)

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### Dr. M. J. Desai

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### Dr. N. E. Devletoglou

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### Dr. C. A. E. Goodhart

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### Mr. B. Griffiths

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### Professor F. H. Hahn

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### Dr. B. V. Hindley

'Capitalism and the Corporation' (*Economica*, November 1969)

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**Professor A. H. John**

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**Professor H. G. Johnson**

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**Dr. T. E. Josling**

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**Dr. E. A. Kuska**

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**Mr. P. R. G. Layard**

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**Mr. S. Markowski**

'International Money in the Communist System' (*History of the 20th Century*, No. 29, 1970)

**Dr. D. Mazumdar**

(With M. J. Desai) 'A Test of Disguised Unemployment Hypothesis' (*Economica*, February 1970)

**Mr. D. H. Metcalf**

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**Dr. E. J. Mishan**

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#### Professor H. Myint

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#### Dr. L. S. Pressnell

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#### Mr. M. D. Steuer

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#### Dr. K. F. Wallis

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#### Professor A. A. Walters

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#### Professor P. J. de la F. Wiles

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#### Professor B. S. Yamey

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#### Dr. A. Zauberman

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#### Dr. C. Board

- 'The Quantitative Analysis of Land Use Patterns with Special Reference to Land Use Maps. Shape Analysis with an Application' (Proceedings of the 3rd Anglo-Polish Seminar in Geography, Baranów, 1967) (*Geographia Polonica*)  
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#### Mr. J. R. Drewett

- Guest Editor *Regional Studies*, Special Issue, *Urban and Regional Models in British Planning Research*, December 1969

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**Mr. J. B. Goddard**

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**Dr. F. E. I. Hamilton**

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**Professor R. J. Harrison Church**

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**Mr. D. K. C. Jones**

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**Professor E. Jones**

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**Dr. J. E. Martin**

'Size of Plant and Location of Industry in Greater London' (*Tijdschrift Voor Economische en Sociale Geografie*, November-December 1969)

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**Mrs. J. A. Rees**

*Industrial Demand for Water: A Study of South East England* (L.S.E. Research Monographs 3, Weidenfeld and Nicolson, 1969)

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'Water Resources for the Future' (*Geographical Magazine*, November 1969)

**Dr. K. R. Sealy**

'Integration of Air and Surface Transport' in *World Airports - The Way Ahead* (Institution of Civil Engineers, 1970)

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**Mr. N. A. Spence**

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**Dr. J. B. Thornes**

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**Mrs. E. Wilson**

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**Professor M. J. Wise**

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(Editor) *Management of the National Environment: Selected Book-List* (National Book League, 1970)

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**Mr. A. J. Beattie**

*English Party Politics*, Vol. I, 1660–1906 and Vol. II, *The Twentieth Century* (Weidenfeld and Nicolson, July 1970)

'The Central Government of Great Britain' in *Great Britain* (Grolier, May 1970)  
'The Interventionist State' (*History of the 20th Century*, 1970)

**Professor M. W. Cranston**

*Political Dialogues* (B.B.C.; Basic Books, 1969)

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**Mr. P. F. Dawson**

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**Professor E. A. Gellner**

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**Professor H. R. G. Greaves**

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**Dr. G. W. Jones**

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**Professor E. Kedourie**

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**Professor R. T. McKenzie**

'Policy Decision and Opposition' and 'Parties, Pressure Groups and the British Political Process' in K. L. Shell (Ed.), *The Democratic Political Process* (Blaisdell, 1969)

**Dr. R. Miliband**

*The State in Capitalist Society* (Basic Books, 1969)

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'Lenin's "The State and Revolution"' (*Monthly Review*, April 1970)

**Mr. K. R. Minogue**

'On the Fashionable Idea of National Guilt' (*American Scholar*, Spring 1970)

**Dr. J. B. Morrall**

*The Medieval Imprint: the Founding of the Western European Tradition* (Penguin Books, 1970)

**Mr. A. J. A. Morris**

'Local Authority Relations with the Local Press' (*Public Law*, Winter 1969)

**Mr. S. K. Panter-Brick**

(Editor) *Nigerian Politics and Military Rule: Prelude to the Civil War* (Athlone Press, 1970)

**Mr. W. J. L. Plowden**

'Tomorrow's Lawyers' in *What's Wrong with the Law?* (B.B.C., 1970)

'M.P.s and the Roads Lobby' in A. Barker and M. Rush (Eds.), *The Member of Parliament and His Information* (Political and Economic Planning and the Study of Parliament Group) (Allen and Unwin, 1970)

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**Mr. P. B. Reddaway**

'Freedom of Worship and the Law' (plus documents) in A. Brumberg (Ed.), *In Quest of Justice: Protest and Dissent in the U.S.S.R.* (Pall Mall, 1970)

(With M. Bordeaux) 'Church and State and Schism: The Recent History of the Soviet Baptists' in M. Hayward and W. C. Fletcher (Eds.), *Religion and the Soviet State: A Dilemma of Power* (Pall Mall, 1969)

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**Dr. D. E. Regan**

- 'Mr. Crossman and the Purlblind Doctors' (*Justice of the Peace and Local Government Review*, June 1970)

**Mr. G. Rhodes**

- The Government of London: The Struggle for Reform* (Weidenfeld and Nicolson, 1970)  
(With S. K. Ruck) *The Government of Greater London* (Allen and Unwin, May 1970)

**Mr. E. A. Roberts**

- (With A. Carter and D. Hoggett) *Non-violent Action: a Selected Bibliography* (Housmans, June 1970)

**Professor W. A. Robson**

- Nationalized Industry and Public Ownership* (Japanese translation) (Sangyo Nohritsu Tanki Daigaku, 1970)  
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**Professor L. B. Schapiro**

- The Communist Party of the Soviet Union*, 2nd edn., revised and enlarged (Eyre and Spottiswoode, London; Random House, New York, 1970)  
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**Professor P. J. O. Self**

- (With N. Johnson) 'Civil Service College Course in Public Administration' (*P.A.C. Bulletin*, Summer 1969)  
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**Professor D. P. Waley**

- 'The Primitivist Element in Machiavelli's Thought' (*Journal of the History of Ideas*, January-March 1970)

**Mr. L. A. Wolf-Phillips**

- 'Aetiological Problems of Constitutional Change' (*Seminar Papers* No. 5, Institute of Commonwealth Studies, 1969)  
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**Dr. V. Wright**

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**Mr. K. G. Young**

- 'Local Authority Amalgamations: the Role of Voluntary Joint Action' (*Justice of the Peace and Local Government Review*, 21 and 28 March 1970)  
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**Mr. B. Ahamad**

*A Projection of Manpower Requirements by Occupation in 1975: Canada and its Regions* (Queen's Printer, Ottawa, 1969)

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**Mr. P. H. Armitage**

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(With A. Crampin) 'The Pressure of Numbers: Speculation for the Seventies' (*Higher Education Review*, February 1970)

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**Dr. M. J. Desai**

'But What is This Academic Freedom?' (*Higher Education Review*, Spring 1970)

**Mrs. K. F. McDougall**

'Time for Change' (*Case Conference*, Vol. 16)

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**Miss G. G. Wilson**

(With H. Glennerster) *Paying for Private Schools* (Allen Lane, The Penguin Press, 1970)

(With P. Lewis) 'Costs in Higher Education' (*Higher Education Review*, Spring 1970)

**History**

**Dr. M. S. Anderson**

'Russia under Peter the Great and the Changed Relations of East and West' (*New Cambridge Modern History*, Vol. VI) (C.U.P., 1970)

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**Dr. A. R. Bridbury**

'The Dark Ages' (*The Economic History Review*, December 1969)

**Dr. L. M. Brown**

'Modern Hull' in *Victoria County History, York, East Riding*, I (O.U.P., 1969)

**Mrs. A. M. C. Carter**

'The Use and Abuse of History in Northern Irish Schools' (*The World and the School*, January 1970)

Publications

'How to Revise Treaties without Negotiating: Commonsense, Mutual Fears and the Anglo-Dutch Trade Disputes of 1759' in R. M. Hatton and M. S. Anderson (Eds.), *Studies in Diplomatic History: Essays in Memory of David Bayne Horn* (Longman, 1970)

**Professor D. C. Coleman**

'Countryside and Industry' in A. Cobban (Ed.), *The Eighteenth Century* (Thames and Hudson, 1969)

'An Innovation and its Diffusion: the "New Draperies"' (*The Economic History Review*, December 1969)

(Editor) *Revisions in Mercantilism* (Methuen, 1969)

**Miss O. P. Coleman**

'The Collectors of Customs in London under Richard II' in A. E. J. Hollaender and W. Kellaway (Eds.), *Studies in London History Presented to Philip Edmund Jones* (Hodder and Stoughton, 1969)

**Mr. D. N. Dilks**

*Curzon in India*, Vol. II (Hart-Davis, 1970)

**Dr. P. Earle**

'Lo Sviluppo del commercio in Ancona nel XVI Secolo' (*Mercurio*, October 1969)

*Corsairs of Malta and Barbary* (Sidgwick and Jackson, July 1970)

**Mr. J. B. Gillingham**

'Europe's Adolescence: The Twelfth Century Renaissance' (*History of the English-Speaking Peoples*, No. 12, 1969)

'King John' (*ibid*, No. 15, 1969)

'Sports and Games in the Middle Ages' (*ibid*, No. 29, 1970)

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'Genghis Khan' (*History Makers*, No. 3, 1969)

'Alfred the Great' (*History Makers*, No. 17, 1970)

**Professor R. M. Hatton**

*War and Peace, 1680-1720* (Inaugural Lecture, L.S.E.) (Weidenfeld and Nicolson, 1969)

*Europe in the Age of Louis XIV* (Thames and Hudson, 1969; Harcourt, Brace and World, 1970)

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'John Drummond in the War of the Spanish Succession: a Merchant turned Diplomatic Agent' in the above book

'Charles XII and the Great Northern War' (*New Cambridge Modern History*, Vol. VI) (C.U.P., 1970)

### Publications

#### Professor A. H. John

'Farming in War-time, 1793-1815' in E. L. Jones and G. E. Mingay (Eds.), *Land, Labour and Population in the Industrial Revolution: Essays presented to D. J. Chambers* (Edward Arnold, 1968)

#### Professor J. B. Joll

*Europe - A Historian's View* (Montague Burton Lecture on International Relations) (Leeds University Press, 1969)

#### Mr. A. J. A. Morris

'The Birmingham Post and Anglo-German Relations, 1933-1935' (*University of Birmingham Historical Journal*, January 1969)

#### Dr. I. H. Nish

'Dr. Morrison and China's Entry into the World War, 1915-17' in R. M. Hatton and M. S. Anderson (Eds.), *Studies in Diplomatic History: Essays in Memory of David Bayne Horn* (Longman, 1970)

'Japan Goes to War' (*History of the First World War*, December 1969)

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#### Mr. J. Potter

'Some British Reflections on Turner and the Frontier' (*Wisconsin Magazine of History*, Vol. 53, Winter 1969-70)

'Atlantic Economy, 1815-1860: the U.S.A. and the Industrial Revolution in Britain' (reprinted in A. W. Coats and R. M. Robertson (Eds.), *Essays in American Economic History*, Edward Arnold, 1969)

'American Population in the Early National Period' and 'Demographic History of Pre-Industrial Societies' in P. Deprez (Ed.), *Population and Economics* (Proceedings of Section V of the 4th Congress of the International Economic History Association, Indiana University, 1968)

#### Mr. P. B. Reddaway

(Editor with L. B. Schapiro) *Lenin* (German translation) (Kohlhammer, Stuttgart, 1970)

#### Mr. E. A. Roberts

'The Gandhi Experiment' (*New Society*, 2 October 1969)

'Disarmament: The First Steps' (*History of the 20th Century*, No. 88, 1969)

'One Reich, One People, Some Resistances' (*Government and Opposition*, Summer 1970)

#### Mr. W. M. Stern

(Editor with F. Crouzet and W. H. Chaloner) *Essays in European Economic History, 1789-1914* (Edward Arnold, October 1969)

'Holloway Prison as the City of London's House of Correction, 1852-1877' in A. E. J. Hollaender and W. Kellaway (Eds.), *Studies in London History Presented to Philip Edmund Jones* (Hodder and Stoughton, 1969)

### Publications

'Fish Supplies for London in the 1760s: an Experiment in Overland Transport' (*Journal of the Royal Society of Arts*, May and June 1970)

#### Professor D. P. Waley

'Boncambio, Giacomo' in *Dizionario Biografico degli Italiani*, Vol. XI (Istituto della Enciclopedia Italiana, 1969)

'England and the Holy Roman Empire' (*History of the English-Speaking Peoples*, No. 16, 1969)

#### Mr. D. C. Watt

(Editor of and Introduction to) *Hitler's Mein Kampf* (Hutchinson, 1969)

(Review article) 'Hitler's Foreign Policy Apparatus' (*Government and Opposition*, Winter 1969-70)

### Industrial Relations

#### Mr. J. Gennard

(With B. C. Roberts) 'Trends in Plant and Company Bargaining' (*Scottish Journal of Political Economy*, June 1970)

'Industrial Relations in the United Kingdom' (*British Journal of Industrial Relations*, November 1969, March, July 1970)

#### Mr. D. J. T. Graves

(Editor) *Decision-making: A New Approach* (British Institute of Management, Luton Branch, April 1970)

#### Professor B. C. Roberts

(With J. Gennard) 'Trends in Plant and Company Bargaining' (*Scottish Journal of Political Economy*, June 1970)

### International Relations

#### Mr. M. H. Banks

'Systems Analysis and the Study of Regions' (*International Studies Quarterly*, December 1969)

(With A. Eide) *Training and Research for Peace* (International Peace Academy Committee, Vermont, January 1970)

(With A. J. R. Groom and A. N. Oppenheim) 'Gaming, Simulation and the Study of International Relations in British Universities' in R. H. R. Armstrong and J. L. Taylor (Eds.), *Instructional Simulation Systems in Higher Education* (Cambridge Monographs on Teaching Methods, No. 2, 1970)

#### Dr. C. M. Bell

'Strategische Probleme des Atlantik' (*Moderne Welt*, 3 Vierteljahr, 1969)

'The Adverse Partnership' (*New Society*, 22 January 1970)

'A Game of Jeopardy' (*New Society*, 25 June 1970)

#### Mr. L. Blit

'Marxist and Communist Movements in Poland Since 1878' (*Herder's Comparative Encyclopaedia*, Freiburg, Basle, Vienna, 1970)



*Publications*

- (Review article) 'The Russo-Polish War 1919-21' (*The Slavonic Review*, July 1970)  
'The Rebel Against Unreason' (*Socialist Commentary*, March 1970)  
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**Mr. M. D. Donelan**

- 'The Trade of Diplomacy' (*International Affairs*, October 1969)  
'Economic Aid and Political Theory' (*International Relations*, May 1970)

**Mr. A. M. James**

- 'The United Nations and Frontier Disputes' in E. Luard (Ed.), *The International Regulation of Frontier Disputes* (Thames and Hudson, 1970)  
'United Nations Action for Peace: I. Barrier Forces; II. Law and Order Forces' in C. A. Cosgrove and K. J. Twitchett (Eds.), *The New International Actors: The United Nations and the European Economic Community* (Macmillan, 1970. Reprinted from *The World Today*, November and December 1962)  
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(Rapporteur) *The Role of Force in International Order and United Nations Peace-Keeping* (The Ditchley Foundation, 1969)

**Dr. I. Lapenna**

- 'The Question of a Common Language before International Organizations' (*La Monda Lingvo-Problemo*, May 1970)

**Dr. M. Leifer**

- (Editor and Contributor) *Nationalism, Revolution and Evolution in South-East Asia* (Inter-Documentation Co., Zug, Switzerland, 1970)  
'Cambodia: Historical and Economic Survey' (*The Far East and Australasia*, 1970)  
'Afghanistan, Nepal and Thailand' (*Collier's Encyclopedia Year Book*, 1970)  
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'The Violation of Cambodia: The Agony and the Prospect' (*Sekai Shuho*, Tokyo, 30 June 1970)  
'Adverse Conceptions of Malaysia' (*The Round Table*, July 1970)

**Mr. J. B. L. Mayall**

- 'Africa to 1969: Dictatorship and Disruption' (*History of the 20th Century*, No. 85, 1969)

**Professor F. S. Northedge**

- The Settlement of International Disputes* (The David Davies Annual Memorial Lecture, November 1969)

*Publications*

- 'Britain as a Second-Rank Power' (*International Affairs*, January 1970)  
'Greece in World Politics' (*History of the 20th Century*, No. 101)  
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**Mr. E. A. Roberts**

- 'A Battle Won, A War Lost: Civilian Resistance and Czechoslovakia's Defeat' (*War/Peace Report*, New York, June-July 1969)  
'The Fog of Crisis: the 1964 Tonkin Gulf Incidents' (*The World Today*, May 1970)  
'President Nixon's Guru' (*New Society*, 25 June 1970)  
'Civil Resistance as a Technique in International Relations' in *The Year Book of World Affairs 1970* (Stevens)

**Mr. N. R. A. Sims**

- 'The U.N.'s Deadlines' (*New Christian*, 4 September 1969)  
'Non-Proliferation: Last Chance' (*World Issues*, Autumn 1969)  
'Foreign Policy Choice' (*New Christian*, 13 November 1969)  
'Disarmament and Arms Control: Structures for the Seventies' (*World Issues*, Spring 1970)  
'A Tale of Noxious Gases' (*New Christian*, 19 February 1970)  
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'The International Relations of Imperfection: New Light on William Penn's "Little Treatise"' (*Young Quaker*, Summer 1970)

**Mr. G. H. Stern**

- 'Yugoslavia' in *Britannica Book of the Year, 1970*  
'Eastern Europe, 1944-56' in G. Schöpflin (Ed.), *The Soviet Union and Eastern Europe: A Handbook* (Anthony Blond, 1970)

**Mr. P. G. Taylor**

- 'The European Economic Community: an Evaluation in 1969' (*World Review*, Queensland, October 1969)  
'The United Kingdom' (Royal Institute of International Affairs, *Report on World Affairs*, No. 4, 1969 and Nos. 1, 2 and 3, 1970)  
'University Association for Contemporary European Studies' (*European University News*, February 1970)  
(With A. J. R. Groom) 'Report on the Conference' in *Functionalism: Final Report of the Conference at Bellagio* (Carnegie Endowment for International Peace, April 1970)

**Mr. D. C. Watt**

- 'A New Sarajevo in the Middle East?' (*New Middle East*, January 1970)  
'The Continuing Strategic Importance of Simonstown' (*Proceedings of the U.S. Naval Institute*, October 1969)  
'Reports and Surveys: [British] Overseas Representation' (*The Political Quarterly*, October-December 1969)  
'The Future of British Foreign Policy' (*The Political Quarterly*, January 1970)  
'Balanced Force Reductions and the American Military Withdrawal from Europe' (*The Royal United Service Institution Journal*, June 1970)

### Publications

'The Reform of the West German Foreign Service: The Herwath Report' (*The World Today*, July 1970)

### Language Studies

#### Mr. R. Chapman

*The Victorian Debate*, new edn. (Weidenfeld and Nicolson, April 1970)

#### Dr. N. Denison

'Sociolinguistics and Plurilingualism' (*Acts of 10th International Congress of Linguists*, Vol. I, 1969, Bucharest, 1970)

'Problems of Combined Degrees which Include Language(s)' in *Languages for Special Purposes* (C.I.L.T. Reports and Papers 1, London, 1969)

'Constantes et Variables dans les Contacts entre Langues Romanes et Langues Germaniques' (*Actes du XIIème Congrès International de Linguistique et Philologie Romanes*, Bucharest, 1970)

'Sociolinguistic Aspects of Plurilingualism' (*Atti delle Giornate Internazionali di Sociolinguistica*, Istituto Luigi Sturzo, Rome, 1969). Also Italian translation, Rome, 1970

'Sociolinguistics: Communities of Speech' (*T.L.S.*, 23 July 1970, Special Issue on *Linguistics: Present Frontiers*)

'Friulano, italiano e tedesco a Sauris' (*Atti del Congresso Internazionale di Linguistica e Tradizione Popolare*) (Società Filologica Friulana, Udine, 1970)

'English as a Means of Communication in Europe' (Preprints, *Conference on English - A European Language?*, Luxembourg, April 1970) (Institute of Linguists, 1970)

#### Miss M. L. Franciosi

'Giornate Internazionali di Sociolinguistica' (*Rassegna Italiana di Sociologia*, Luglio-settembre 1969)

'Il sogno della morte' (*Gioventù*, dicembre 1969)

'La lingua e la politica' (*L'Europa*, 24 gennaio 1970)

Translation into Italian of E. Rabinowitch and M. Grodzins (Eds.), *The Atomic Age* (Il Saggiatore, A. Mondadori, Autunno 1969)

#### Dr. K. E. M. George

'Quatre, quattro, cuatro . . . "an approximate or indeterminate number"' (*Studia Neophilologica*, Vol. XLI, 1969)

'The Rôle of the Suffix in Troyat's *L'Araigne*' (*Modern Languages*, Vol. L, 1969)

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'Formules de négation et de refus en français populaire et argotique' (*Le Français Moderne*, Vol. XXXVIII, 1970)

#### Mr. A. L. Gooch

*Diminutive, Augmentative and Pejorative Suffixes in Modern Spanish*, 2nd edn., revised and expanded (Pergamon, July 1970)

### Publications

### Law

#### Professor J. A. G. Griffith

'Legislation' in A. H. Hanson and B. Crick (Eds.), *The Commons in Transition* (Fontana, 1970)

'Maud and Senior' in J. A. Andrews (Eds.), *Welsh Studies in Public Law* (University of Wales Press, 1970)

#### Professor C. Grunfeld

'University Staff-Student Relations and Natural Justice' (*The Modern Law Review*, 680, 1969)

'Labor Relations and the Role of Law in Great Britain' and 'American Management in the United Kingdom' in A. Kamin (Ed.), *Western European Labor and the American Corporation* (Bureau of National Affairs, 1970)

'The Future Role of the Law' (*Scottish Journal of Political Economy*, 1970)

#### Mr. J. W. Harris

'Licences and Limitation' (*The Modern Law Review*, September 1969)

'Common Mistake in Contract' (*The Modern Law Review*, November 1969)

#### Mr. T. C. Hartley

'Race Relations Law in Ontario' Part I (*Public Law*, Spring 1970)

#### Professor D. H. N. Johnson

'Facilitation of Air Transport' (*The Aeronautical Journal*, October 1969)

'The North Sea Continental Shelf Cases' (*International Relations*, November 1969)

'Hijacking. Why Governments must Act' (*The Aeronautical Journal*, February 1970)

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'The Irish Boundary Arbitration' (*The Month*, April 1970)

#### Dr. I. Lapenna

*Soviet Penal Policy* (The Bodley Head, 1968)

'Kulturelles Genocid und Menschenrechte' (*Das Menschenrecht*, October 1969)

'La Situation Juridique des "Langues Officielles" avant la Fondation des Nations Unies' (*La Monda Lingvo-Problemo*, January 1969)

'La Situation Juridique des Langues sous le Régime des Nations Unies' (*La Monda Lingvo-Problemo*, May 1969)

'Universala Deklaracio de Homaj Rajtoj' (*Internacia Jura Revuo*, Autumn 1968)

'The Right to Assembly and Association in the Soviet Union and in Yugoslavia' (*Internacia Jura Revuo*, Spring 1970)

(Review article) 'The Yugoslav Constitution of 1963' (*The International and Comparative Law Quarterly*, April 1969)

#### Mr. L. Lazar

'Taxation' in *Annual Survey of Commonwealth Law*, 1967 (O.U.P.)

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- 'Phillips v. Eyre Revisited' (*The Modern Law Review*, November 1969)  
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'The Rule of Law in South Africa – a Critical Review of the Hamlyn Lectures, 1968, by Mr. Justice O. D. Schreiner' (*The Modern Law Review*, September 1968)

#### Dr. L. H. Leigh

- (With C. F. H. Tapper and R. J. Buxton) 'Criminal Law, Evidence and Procedure' (*Annual Survey of Commonwealth Law, 1969*) (O.U.P.)  
'Objects, Powers, and *Ultra Vires*' (*The Modern Law Review*, January 1970)  
'Recent Developments in the Law of Search and Seizure' (*The Modern Law Review*, May 1970)

#### Mr. M. A. Pickering

- 'The Control of Insurance Business in Great Britain' (*Wisconsin Law Review*, No. 4, 1969)

#### Mr. S. A. Roberts

- A Restatement of the Kgatla Law Relating to Land and Natural Resources* (The Government Printer, Gaborone, 1969)  
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'Kgatla Law and Social Change' (*Botswana Notes and Records*, Vol. 2, 1970)  
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#### Professor S. A. de Smith

- Microstates and Micronesia* (New York University Press, 1970)  
'Judicial Review in Administrative Law: the Ever-Open Door?' (*Cambridge Law Journal*, November 1969)  
'Options for Micronesia: a Potential Crisis for America's Pacific Trust Territory' (New York University Center for International Studies, *Policy Papers*, 1969)

#### Dr. O. M. Stone

- 'Moral Judgements and Material Provision in Divorce' (*The Family Law Quarterly of the American Bar Association*, Vol. III, No. 4, 1969)

#### Mr. D. A. Thomas

- Principles of Sentencing* (Heinemann Educational Books, June 1970)

#### Professor K. W. Wedderburn

- Employment Grievances and Disputes Procedures in Britain* (University of California Press, December 1969)  
(Assistant Editor) *Clerk and Lindsell on Torts* (Sweet and Maxwell, 1969)

### Publications

- 'British Trade Unions Beware' (*New Society*, 4 December 1969)  
'Torts out of Contracts' (*The Modern Law Review*, May 1970)

#### Mr. J. E. Hall Williams

- The English Penal System in Transition* (Butterworth, 1970)  
'Chromosome Abnormality and Legal Accountability' in D. J. West (Ed.), *Criminological Implications of Chromosome Abnormalities* (Papers presented to the Cropwood Round-Table Conference, December 1969) (University of Cambridge Institute of Criminology)

#### Mr. M. Zander

- (Editor) *What's Wrong with the Law?* (B.B.C., 1970)  
'Unrepresented Defendants in the Criminal Courts' (*The Criminal Law Review*, December 1969)

### Personnel Management

#### Baroness Seear

- 'Equal Pay – a Blessing in Disguise?' (The I.W.M. London Lectures, April 1969)  
'Equal Pay is Only Half the Battle' (*The Scotsman*, 11 March 1970)  
'Weighing Up the Equal Pay Scheme' (*The Times*, 27 April 1970)  
'Equal Pay Bill: Progress – or a Step Backwards?' (*Business and Professional Woman*, Summer 1970)

### Philosophy, Logic and Scientific Method

#### Professor M. W. Cranston

- Philosophy and Language* (Canadian Broadcasting Corporation, 1969)

#### Professor E. A. Gellner

- 'Poker Player' (Review article of K. T. Fann (Ed.), *Symposium on J. L. Austin*) (*New Statesman*, 28 November 1969)

#### Professor I. Lakatos

- 'Sophisticated *versus* Naive Methodological Falsificationism' (*Architectural Design*, 1969)  
'Falsification and the Methodology of Scientific Research Programmes' in I. Lakatos and A. E. Musgrave (Eds.), *Criticism and the Growth of Knowledge* (C.U.P., 1970)

#### Professor Sir Karl Popper

- Conjectures and Refutations, the Growth of Scientific Knowledge*, paperback edn. (Routledge and Kegan Paul, 1969)  
*The Open Society and Its Enemies*, Vols. I and II, paperback edn. (Routledge and Kegan Paul, 1969)  
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- Logica della scoperta scientifica: Il carattere autocorrettivo della scienza* (Giulio Einaudi Editore, Torino, 1970)
- 'Utopie und Gewalt' in A. Neusüss (Ed.), *Utopie* (Luchterhand Verlag, Neuwied, 1969)
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- 'The Aim of Science' in R. Klibansky, *Contemporary Philosophy* (La Nuova Italia Editrice, Firenze, 1969)
- 'The Hypothetical-Deductive Method and the Unity of Social and Natural Science' in L. I. Krimerman (Ed.), *The Nature and Scope of Social Science: A Critical Anthology*, reprint (Appleton, Century, Crofts, 1969)
- 'Die Logik der Sozialwissenschaften' in *Der Positivismusstreit in der deutschen Soziologie, Soziologische Texte 58* (Luchterhand Verlag, Neuwied, 1969)
- 'Epistemology Without a Knowing Subject' in J. H. Gill (Ed.), *Philosophy Today*, No. 2 (Collier-Macmillan, London, 1969)
- 'The Autonomy of Sociology in Mill' in J. B. Schneewind (Ed.), *A Collection of Critical Essays* (University of Notre Dame Press, Notre Dame, 1969)
- 'Dialectical Methodology' (Letter to the Editor) (*The Times Literary Supplement*, No. 3, 552, 26 March 1970)
- 'Has History Any Meaning?' in L. M. Marsak (Ed.), *The Nature of Historical Enquiry* (Holt, Rinehart and Winston, 1970)
- 'The Open Society and Its Enemies' in C. H. Bowyer (Ed.), *Philosophical Perspectives for Education* (Scott Foresman, 1970)
- 'Plato, *Timaeus* 54E-55A' (*The Classical Review*, New Series, Vol. 1, March 1970)
- 'Adevăr, raționalitate și progresul conoasterii științifice' in G. Enescu and C. Popa (Eds.), *Logica Științei* (Editura Politică, București, 1970)
- 'A Note on Berkeley as Precursor of Mach and Einstein' in C. M. Turbayne (Ed.), *Berkeley: Principles of Human Knowledge* (Bobbs-Merrill, 1970)
- 'Eine objektive Theorie des historischen Verstehens' (*Schweizer Monatshefte* 50, 1970)
- 'Palabras de apertura del simposio' and 'Sobre la teoría de la inteligencia objetiva' in *Simposio de Burgos, Ensayos de Filosofía de la Ciencia en torno a la obra de Sir Karl Popper* (Editorial Tecnos, Madrid, 1970)
- 'The Sociology of Knowledge' in J. E. Curtis and J. W. Petras (Eds.), *The Sociology of Knowledge: A Reader* (Praeger, 1970)

### Professor J. W. N. Watkins

- 'Methodological Individualism and Non-Hempelian Ideal Types'; 'Social Phenomena Result from the Activities of Individual Agents'; 'Methodological Individualism: A Reply to Criticism' in L. I. Krimerman (Ed.), *The Nature and Scope of Social Science: A Critical Anthology*, reprint (Appleton, Century, Crofts, 1969)
- 'Historical Explanation in the Social Sciences' (*The Bobbs-Merrill Reprint Series in Philosophy*, 1969)
- 'A Explicação Histórica nas Ciências Sociais' in P. Gardiner (Ed.), *Teorias da História*, trans. V. Matos (Lisbon, 1969)

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- 'Epistemologia e politica' in R. Campa (Ed.), *Le Implicazioni Politiche Della Scienza* (Edizioni Della Nuova Antologia, 1969)
- 'Philosophy and Politics in Hobbes' in B. H. Baumrin (Ed.), *Hobbes's Leviathan* (Wadsworth, 1969)
- 'A Critique of Oakeshott's Distinction' in R. H. Cox (Ed.), *Ideology, Politics and Political Theory* (Wadsworth, 1969)

### Planning Studies

#### Mr. D. R. Diamond

- (With P. Cowan) 'Developing Patterns of Urbanisation: Some Conclusions' (*Urban Studies*, November 1969)
- (With P. H. Levin) *The Reorganisation of Local Government in North Wiltshire* (Swindon Corporation, October 1969)

#### Dr. P. H. Levin

- (With D. R. Diamond) *The Reorganisation of Local Government in North Wiltshire* (Swindon Corporation, October 1969)
- 'New Forms of Planning' (*Town and Country Planning*, December 1969)
- (With D. V. Donnison) 'People and Planning' (*Public Administration*, Winter 1969)

### Psychology

#### Mr. J. C. R. Bayley

- (With R. S. P. Wiener) 'Ulster in Perspective' (*New Society*, July 1970)

#### Mrs. B. A. Geber

- (With others) *Man in Society - An Introduction to the Social Sciences* (B.B.C., 1970)
- (Editor and Contributor) *Man in Society*, Vols. 1 and 2 (National Extension College, 1970)

#### Professor H. T. Himmelweit

- (With B. Swift) 'A Model for the Understanding of School as a Socialising Agent' in P. Mussen, J. Langer and M. Covington (Eds.), *Trends and Issues in Developmental Psychology* (Holt, Rinehart and Winston, 1969)
- (With D. Harper and J. Munro) 'Social and Personality Factors Associated with Children's Tastes in Television Viewing' in J. Tunstall (Ed.), *Media Sociology* (Constable, 1970)
- (Editor) *Man in Society - An Introduction to the Social Sciences* (B.B.C. 1970)

#### Mr. R. Holmes

- 'The Transient and the Subsumed: Some Epistemological Implications of Cross-Cultural Research' (*Comparative Education Review*, February 1970)

#### Dr. A. N. Oppenheim

- (With M. H. Banks and A. J. R. Groom) 'Gaming, Simulation and the Study of International Relations in British Universities' in R. H. R. Armstrong and J. L. Taylor (Eds.), *Instructional Simulation Systems in Higher Education* (Cambridge Monographs on Teaching Methods, No. 2, 1970)

### Publications

'Psychological Aspects of World Affairs' in *The Year Book of World Affairs, 1970* (Stevens)

**Mr. A. E. M. Seaborne**

'Criterion of Pretraining in Stimulus Predifferentiation' (*Perceptual and Motor Skills*, Vol. 29, 1969)

**Dr. R. S. P. Wiener**

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'The Perils of Drug Lessons in Classrooms' (*Daily Mirror*, October 1969)

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**Professor B. Abel-Smith**

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(With C. Bagley) 'The Problem of Establishing Equivalent Standards of Living for Families of Different Composition' in P. Townsend (Ed.), *The Concept of Poverty* (Heinemann, 1970)

**Dr. T. A. V. Blackstone**

(With K. E. Gales, R. D. Hadley and R. W. Lewis) *Students in Conflict: L.S.E. in 1967* (L.S.E. Research Monographs 5, Weidenfeld and Nicolson, 1970)

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**Miss R. Brooke**

'Civic Rights and Social Services' in W. A. Robson and B. Crick (Eds.), *The Future of the Social Services* (Pelican, 1970)

(Review article) 'Report of the Advisory Committee on Legal Advice and Assistance' (*The Modern Law Review*, July 1970)

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**Miss Z. T. Butrym**

'Qu'est-ce que le travail médico-social?' (*Service Social dans le Monde*, October 1969)

**Professor P. S. Cohen**

'Theories of Myth' (Malinowski Memorial Lecture) (*Man*, 3 September 1969)

**Mr. C. J. Crouch**

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**Dr. B. P. Davies**

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**Dr. J. W. B. Douglas**

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**Professor E. A. Gellner**

'The Great Patron. A Reinterpretation of Tribal Rebellions' (*Archives Européennes de Sociologie*, Tome X, 1969)

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**Mr. H. Glennerster**

(With G. G. Wilson) *Paying for Private Schools* (Allen Lane, The Penguin Press, 1970)

**Mr. R. D. Hadley**

(With T. A. V. Blackstone, K. E. Gales and R. W. Lewis) *Students in Conflict: L.S.E. in 1967* (L.S.E. Research Monographs 5, Weidenfeld and Nicolson, 1970)

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#### Mrs. F. M. Heidensohn

'Sex, Crime and Society' (*Journal of Biosocial Science*, Supplement II, London, 1970)

#### Mr. M. Hill

(Editor with D. A. Martin) *A Sociological Yearbook of Religion in Britain*, No. 3 (S.C.M. Press, 1970)

'Voters and Their Characteristics' in E. Butterworth and D. Weir (Eds.), *The Sociology of Modern Britain* (Fontana, 1970)

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#### Mr. P. Hodge

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#### Mrs. K. F. McDougall

'The Eternal Ambivalence' (*The British Journal of Psychiatric Social Work*, Vol. X, 1969)

'Whither Medical Social Work?' (*Medical Social Work*, Vol. 22)

'A Chairman's Eye View' (*Social Work Today*, Vol. 1, 1970)

'Looking Back' (*Case Conference*, Vol. 16)

#### Professor D. A. Martin

(Editor with M. Hill) *A Sociological Yearbook of Religion in Britain*, No. 3 (S.C.M. Press, 1970)

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'Notes Towards a General Theory of Secularization' (*European Journal of Sociology*, 1970)

'New Gods for Old' (*History of the 20th Century*, June 1970)

#### Miss M. C. Mayo

'West African Voluntary Associations in London' (*Community Development Journal*, Autumn 1969)

#### Mr. M. H. Meacher

'A National Equities Issue to Defeat Poverty' (*Poverty*, July 1970)

*The Fifth Social Service* (Fabian Society, June 1970)

#### Miss P. Parsloe

'What is Social Group Work?' (*Deaf Welfare*, November 1969)

'Stress' (*Medical Social Work*, November 1969)

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#### Mr. M. J. Reddin

'Universality versus Selectivity' in W. A. Robson and B. Crick (Eds.), *The Future of the Social Services* (Pelican, 1970)

'Some Relationships between Income Taxation and Social Security' (*International Social Security Review*, No. 1, 1970)

#### Dr. P. E. Rock

'Civil Debtors: A Report of the Payne Committee' (*The British Journal of Criminology*, October 1969)

#### Mrs. B. R. Scharf

'Durkheimian and Freudian Theories of Religion: the Case of Judaism' (*The British Journal of Sociology*, June 1970)

#### Dr. L. A. Sklair

'The Fate of the "Functional Requisites" in Parsonian Sociology' (*The British Journal of Sociology*, March 1970)

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#### Dr. A. W. Swingewood

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#### Professor R. M. Titmuss

*The University and Welfare Objectives* (Paul Baerwald School of Social Work, Hebrew University, Jerusalem, 1969)

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'The Culture of Medical Care and Consumer Behaviour' (*Medicine and Culture*) (Wellcome Institute, 1970)

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#### Dr. M. E. F. Vaughan

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#### Mr. J. H. Westergaard

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**Mrs. E. B. Wistrich**

'The Seebom Report' in W. A. Robson and B. Crick (Eds.), *The Future of the Social Services* (Pelican, 1970)

**Statistics, Mathematics, Computing and Operational Research**

**Dr. J. L. Bell**

'Weak Compactness in Restricted Second-order Languages' (*Bulletin de l'Académie Polonaise des Sciences*, XVIII, No. 3, 1970)

**Miss S. A. Brown**

(With J. R. Ashford) 'Generalised Covariance Analysis with Unequal Error Variances' (*Biometrics*, December 1969)

**Mr. D. V. A. Campbell**

'Some Aspects of Polyphase Sorting' (*Proceedings of the 4th Australian Computer Conference*, Adelaide, August 1969)

'Computers for All?' (*Victorian Computer Bulletin*, November 1969)

'Trades Unions and Automation in Australia' (*Journal of Industrial Relations*, November 1969)

'A Modulus II Check Digit System for a Given System of Codes' (*Computer Bulletin*, January 1970)

**Professor A. S. Douglas**

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'Professionalism in Computing' (*Computer Bulletin*, September 1969 and Address to UNIVAC Users Association: Europe, Paris)

**Professor J. Durbin**

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**Dr. H. Freedman**

'On Endomorphisms of Primary Abelian Groups (II)' (*Journal of the London Mathematical Society*, October 1969)

**Miss K. E. Gales (Mrs. Spitz)**

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**Dr. R. A. Holmes**

'Graphical Representations of Complete Metric Spaces' (*Journal of the London Mathematical Society*, July 1970)

**Mr. R. Hornblower**

(With D. A. Brannan) 'Sums and Products of Functions in the MacLane Class' (*Mathematica*, August 1969)

**Mr. G. G. W. Kalton**

(With B. Cooper and J. Fry) 'A Longitudinal Study of Psychiatric Morbidity in a General Practice Population' (*British Journal of Preventive and Social Medicine*, November 1969)

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**Mr. R. W. Lewis**

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**Dr. C. M. Phillips**

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**Dr. A. J. Scott**

(With T. M. F. Smith) 'Estimation for Multi-Stage Surveys' (*Journal of the American Statistical Association*, September 1969)

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**Professor A. Stuart**

(With M. G. Kendall) *The Advanced Theory of Statistics*, Vol. 1, *Distribution Theory*, 3rd edn. (Griffin, 1969)

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'Distribution-free Statistics: A Review' (*The Journal of the Royal Statistical Society*, Series A (General), May 1970)

**Other Subjects**

**Sir Walter Adams**

'L.S.E. and the New Militancy' (*The British Universities Annual*, 1969)

*Publications*

**Dr. M. S. Anderson**

'Professor D. B. Horn: A Memorial Address' (*University of Edinburgh Journal*, Spring 1970)

**Mr. J. C. R. Bayley**

(With P. Loizos) 'Bogside Off its Knees' (*New Society*, 21 August 1969)

**Mr. D. A. Clarke**

'The Dainton Report: a Social Science View' (*Journal of Documentation*, December 1969)

'A Selective Check List of Bibliographical Scholarship for 1968: Incunabula and Early Renaissance' (*Studies in Bibliography*, Vol. 23, 1970)

**Mr. W. Hughes**

'Dirge for a Handful of Jews' (*Tribune*, 7 January 1970)

'Mixed Blessing of the Container Revolution' (*Glasgow Herald*, 27 May 1970)

'Obsolete Rituals' (*Socialist Commentary*, June 1970)

**Mr. B. R. Hunter**

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**Mr. P. Loizos**

(With J. C. R. Bayley) 'Bogside Off its Knees' (*New Society*, 21 August 1969)

**Mr. K. R. Minogue**

'Student Militancy at the London School of Economics' (*Memorandum for the Select Committee on Education and Science, Student Relations*, Vol. IV, July 1969)

## Official Reports Signed by Members of Staff

**Professor Sir Roy Allen**

Report of the Social Science Research Council, H.C.2, 1969

Tenth Report of the Air Transport Licensing Board, H.C. . . . . ., 1970

**Professor L. B. Schapiro**

Hearings before the Sub-Committee on National Security and International Operation of the Committee on Government Operation (United States Senate, 91st Congress, Second Session, Part 2, April 1970)

**Professor R. M. Titmuss**

National Insurance (Occupational Pensioners) (Unemployment Benefit) Regulations, 1970

National Insurance and Industrial Injuries (Stamps) Regulations, 1970

National Insurance (Classification) Amendment Regulations, 1970

**Mrs. E. B. Wistrich**

Living with Handicap (Report of National Bureau for Co-operation in Child Care, 1970)

**Professor B. S. Yamey**

Cinematograph Films Council: Thirty-Second Annual Report for the year ended 31 March 1970, May 1970

Monopolies Commission: Refusal to Supply, July 1970



124 **Statistics of Students**

**Analysis of Regular and Occasional Students, 1966-71**

	Session 1966-67	Session 1967-68	Session 1968-69	Session 1969-70	Session 1970-71
<b>REGULAR STUDENTS</b>					
First Degree	1743	1669	1596	1486	1532
First Diploma	83	73	60	74	79
Higher Degree	1206	1195	1149	1152	1371
Higher Diploma and Certificate	198	166	187	184	204
Research Fee	137	81	84	78	78
Other Regular	111	78	89	69	78
<b>TOTAL OF REGULAR STUDENTS</b>	<b>3478</b>	<b>3262</b>	<b>3165</b>	<b>3043</b>	<b>3342</b>
<b>OCCASIONAL STUDENTS</b>	<b>355</b>	<b>177</b>	<b>207</b>	<b>232</b>	<b>221</b>
<b>GRAND TOTAL</b>	<b>3833</b>	<b>3439</b>	<b>3372</b>	<b>3275</b>	<b>3563</b>

**Analysis of Overseas Students, 1966-71**

	Session 1966-67	Session 1967-68	Session 1968-69	Session 1969-70	Session 1970-71
<b>REGULAR STUDENTS</b>					
First Degree	184	145	149	174	257
First Diploma	17	11	9	2	4
Higher Degree	583	519	450	443	629
Higher Diploma and Certificate	58	39	50	98	46
Research Fee	115	66	72	17	74
Other Regular	85	62	69	70	77
<b>OCCASIONAL STUDENTS</b>	<b>198</b>	<b>84</b>	<b>71</b>	<b>54</b>	<b>62</b>
<b>TOTAL</b>	<b>1240</b>	<b>926</b>	<b>870</b>	<b>858</b>	<b>1149</b>

NOTE: For a definition of the terms 'Regular' and 'Occasional' students see page 133.

**Analysis of Regular and Occasional Students, 1969-71**

REGULAR STUDENTS	SESSION 1970-71						SESSION 1969-70						Grand Total		
	Full-time Students			Part-time Students			Grand Total	Full-time Students			Part-time Students			Grand Total	
	Men	Women	Total	Men	Women	Total		Men	Women	Total	Men	Women			Total
<b>B.Sc. (Economics)</b>															
1st year	256	62	318												
2nd year	235	63	298		1	1	9	226	64	290		1	1		
3rd year	253	46	299					239	48	287					
4th year								264	39	303		7	2	9	
5th year				7	1	8						15	3	18	
<b>B.A. (Sociology)</b>															
1st year	7	8	15					4	2	6					
2nd year	3	3	6					3	9	12					
3rd year	2	6	8					6	12	18					
<b>B.Sc. (Sociology)</b>															
1st year	18	30	48				159	19	19	38					
2nd year	20	24	44					15	26	41					
3rd year	15	23	38					20	30	50					
<b>LL.B.</b>															
1st year	49	19	68					58	11	69					
2nd year	53	13	66				185	45	10	55					
3rd year	41	10	51					40	18	58		1	1		
4th year															
<b>B.Sc. Social Anthropology</b>															
1st year	10	10	20					6	9	15					
2nd year	7	9	16				41	5	1	6					
3rd year	4	1	5					2	3	5					
<b>B.A. Honours Geography</b>															
3rd year								1		1					
<b>B.Sc. Geography</b>															
1st year	19	7	26					20	4	24					
2nd year	19	4	23				68	14	4	18					
3rd year	15	4	19					11	9	20					

## Analysis of Regular and Occasional Students, 1969-71 (Cont.)

REGULAR STUDENTS	SESSION 1970-71						SESSION 1969-70							
	Full-time Students			Part-time Students			Grand Total	Full-time Students			Part-time Students			Grand Total
	Men	Women	Total	Men	Women	Total		Men	Women	Total	Men	Women	Total	
B.A. Honours History														
1st year	9	7	16					7	8	15				
2nd year	7	6	13				38	8	3	11				42
3rd year	7	2	9					10	6	16				
B.A. Honours Philosophy and Economics														
2nd year							5	5	1	6				12
3rd year	4	1	5	5				4	2	6				
B.A. French/Linguistics														
1st year	2	10	12					3	6	9				
2nd year	3	6	9					1	2	3			25	
3rd year	1	3	4					4	9	13				
4th year (abroad)	4	9	13											
B.A. German/Linguistics														
1st year		2	2						2	2			6	
2nd year		2	2					1	3	4				
3rd year (abroad)	1	2	3											
B.A. French/German														
1st year		2	2					1	1	2			3	37
2nd year	1	1	2	5			54		1	1				
3rd year (abroad)		1	1											
B.A. French/Spanish														
2nd year									2	2			2	
3rd year (abroad)		1	1	1										
B.A. German/Russian														
1st year		2	2	2					1	1		1		
B.A. French/Russian														
1st year		1	1	1										

## Analysis of Regular and Occasional Students, 1969-71 (Cont.)

REGULAR STUDENTS	SESSION 1970-71						SESSION 1969-70								
	Full-time Students			Part-time Students			Grand Total	Full-time Students			Part-time Students			Grand Total	
	Men	Women	Total	Men	Women	Total		Men	Women	Total	Men	Women	Total		
B.Sc. Mathematics															
1st year	11	1	12					13	2	15				35	
2nd year	4	1	5				25	7	1	8					
3rd year	7	1	8					9	3	12					
B.Sc. Social Psychology															
1st year	6	12	18					7	8				15		
2nd year	7	8	15	33			33							15	
M.Sc.															
1st year	334	90	424		38	6	44	468	213	84	297		35	13	48
2nd and subsequent years	26	9	35		41	9	50	85	34	10	44		42	11	53
M.Sc. (Economics)															
2nd and subsequent years				900				372				714	3	3	373
Ph.D.															
1st year	12	3	15		5	1	6	21	18	2	20		4	2	6
2nd and subsequent years	125	21	146		67	17	84	230	111	22	133		71	11	82
M.Phil.															
1st year	143	48	191		46	15	61	252	97	33	130		55	25	80
2nd and subsequent years	60	29	89		92	35	127	216	70	20	90		74	27	101
LL.M.															
1st year	56	12	68		4		4	72	33	3	36		6	3	9
2nd and subsequent years	3		3		6	3	9	14	12		2		9		9
M.A. New regulations															
1st year	10	4	14		1		1	15	4	1	5				
2nd and subsequent years														1	1
Old regulations															
2nd year									1	1	2		1		1
Research Fee															
1st year	59	9	68		1		1	69	55	11	66		4	1	5
2nd and subsequent years	6		6	74	1	2	3	4	9	3	2	5		2	2

Analysis of Regular and Occasional Students, 1969-71 (Cont.)

	SESSION 1970-71			SESSION 1969-70			Grand Total
	Full-time Students		Part-time Students Total	Full-time Students		Part-time Students Total	
	Men	Women		Men	Women		
REGULAR STUDENTS							
University Diploma: Anthropology	3	2	5	2	4	10	10
1st year	3	2	5	2	4	10	
2nd and subsequent years							
Diplomas awarded by the School:							
Diploma in Applied Social Studies	18	57	75	11	15	26	26
Diploma in Mental Health				8	18	26	
Diploma in Social Work Studies	20	1	21	19	1	20	20
Diploma in Development Administration	25	7	32	19	11	30	30
Diploma in Personnel Management	16	41	57	16	39	55	113
Diploma in Social Administration	9	22	31	16	16	32	58
1 year course	14	17	31	16	10	26	113
2 year course							
Diploma in Statistics:	4	3	7	14	2	16	17
1st year	1		1	1		1	
2nd year							
General Course	56	22	78	53	16	69	69
Overseas Course				1		1	1
Trades Union Studies	16	1	17	13	2	15	15
TOTAL OF REGULAR STUDENTS	2119	823	2942	1910	704	2614	429
OCCASIONAL STUDENTS <sup>1</sup>			310			328	232
			173			138	
GRAND TOTAL	2119	823	2942	1910	704	2614	661

Statistics of Students

Analysis of Overseas<sup>1</sup> Students in Attendance at the London School of Economics during the Sessions 1966-71

	1966-67	1967-68	1968-69	1969-70	1970-71
Balkan States	5 (5)	2 (2)	4 (4)	2 (2)	2 (1)
France	5 (5)	12 (7)	7 (4)	3 (2)	9 (7)
Germany	43 (28)	26 (22)	25 (24)	20 (19)	26 (24)
Greece <sup>2</sup>	32 (29)	28 (25)	30 (29)	34 (33)	42 (39)
Holland	5 (4)	1 (1)	2 (2)	3 (3)	4 (4)
Italy	9 (6)	13 (7)	11 (8)	10 (8)	16 (15)
Poland	6 (6)	—	1 (1)	5 (5)	7 (7)
Russia	2 (2)	1 (1)	3 (3)	1 (1)	—
Scandinavia	9 (7)	8 (6)	18 (14)	16 (12)	15 (12)
Switzerland	7 (4)	8 (8)	2 (2)	4 (2)	6 (6)
Others	45 (40)	30 (27)	44 (39)	41 (41)	55 (48)
<b>Total Europe</b>	<b>168 (136)</b>	<b>129 (106)</b>	<b>147 (130)</b>	<b>139 (128)</b>	<b>182 (163)</b>
Burma	1 (1)	—	—	—	1 (1)
Ceylon	8 (7)	7 (6)	6 (5)	18 (18)	13 (13)
China	17 (8)	—	1 (1)	1 (1)	2 (2)
India	71 (69)	48 (42)	30 (28)	29 (28)	34 (33)
Iran	—	—	—	—	38 (38)
Israel	27 (26)	20 (18)	16 (14)	17 (17)	25 (24)
Japan	20 (11)	7 (6)	17 (12)	12 (9)	16 (12)
Malaysia <sup>3</sup>	—	23 (22)	26 (26)	33 (33)	50 (50)
Pakistan	33 (33)	32 (31)	26 (26)	33 (30)	53 (53)
Singapore <sup>3</sup>	—	10 (10)	6 (6)	5 (5)	5 (5)
Thailand	—	—	—	—	13 (13)
Turkey <sup>3</sup>	17 (10)	16 (14)	14 (12)	16 (16)	21 (19)
Others	76 (72)	31 (30)	42 (38)	52 (50)	33 (29)
<b>Total Asia</b>	<b>270 (237)</b>	<b>194 (179)</b>	<b>184 (168)</b>	<b>216 (207)</b>	<b>304 (292)</b>
Ghana	25 (25)	24 (24)	15 (15)	6 (6)	8 (8)
Kenya	—	—	—	—	13 (13)
Nigeria	54 (53)	36 (32)	20 (20)	16 (16)	26 (26)
Rhodesia <sup>4</sup>	—	11 (11)	9 (9)	4 (4)	5 (5)
South Africa	21 (21)	14 (14)	16 (15)	14 (14)	13 (13)
Others	52 (48)	33 (32)	34 (34)	48 (47)	45 (45)
<b>Total Africa</b>	<b>157 (151)</b>	<b>121 (116)</b>	<b>95 (94)</b>	<b>90 (89)</b>	<b>110 (110)</b>
Canada	103 (94)	112 (108)	112 (106)	121 (116)	170 (169)
United States	404 (316)	270 (250)	244 (226)	213 (200)	266 (254)
Others	11 (6)	10 (6)	9 (6)	5 (5)	12 (12)
<b>Total North America</b>	<b>518 (416)</b>	<b>392 (364)</b>	<b>365 (338)</b>	<b>339 (321)</b>	<b>448 (435)</b>
West Indies	27 (27)	16 (15)	15 (15)	13 (13)	13 (13)
Central America	4 (2)	9 (6)	4 (4)	4 (1)	9 (6)
South America	48 (28)	32 (25)	31 (23)	27 (19)	50 (38)
Australia	37 (34)	28 (26)	20 (18)	17 (16)	23 (20)
New Zealand	11 (11)	5 (5)	9 (9)	12 (10)	10 (10)
Others	—	—	—	1 (—)	—
<b>Total Oceania</b>	<b>48 (45)</b>	<b>33 (31)</b>	<b>29 (27)</b>	<b>30 (26)</b>	<b>33 (30)</b>
<b>Total</b>	<b>1240 (1042)</b>	<b>926 (842)</b>	<b>870 (799)</b>	<b>858 (804)</b>	<b>1149 (1087)</b>

The figures in brackets denote the number of Regular Students

The United Arab Republic is now included in Africa: Others.

<sup>1</sup> For comparison with the figures of previous years, the definition of an overseas student for the purposes of this table has been based on domicile, unlike the definition used in determining fees

<sup>2</sup> Previously included in the Balkan States

<sup>3</sup> Previously included in Asia: Others

<sup>4</sup> Previously included in Africa: Others

In the 1970-71 edition of the Calendar Occasional Students were included in error in the full-time total.

Statistics of Students

Analysis of Overseas Students in Attendance at the London School of Economics during the Academic Year 1967-68

Country	1967-68	1966-67	1965-66	1964-65	1963-64
Latin America	7 (5)	7 (5)	7 (5)	7 (5)	7 (5)
France	12 (7)	12 (7)	12 (7)	12 (7)	12 (7)
Germany	43 (25)	39 (23)	35 (20)	32 (19)	28 (16)
Greece	23 (13)	20 (12)	18 (10)	16 (9)	14 (8)
Ireland	1 (1)	1 (1)	1 (1)	1 (1)	1 (1)
Italy	9 (5)	12 (7)	11 (6)	10 (6)	10 (6)
Spain	6 (3)	6 (3)	6 (3)	6 (3)	6 (3)
Sweden	2 (1)	1 (1)	1 (1)	1 (1)	1 (1)
Switzerland	7 (4)	8 (5)	8 (5)	8 (5)	8 (5)
Other	42 (24)	40 (23)	40 (23)	40 (23)	40 (23)
Total Europe	159 (92)	152 (90)	147 (83)	142 (81)	136 (77)
Japan	7 (4)	7 (4)	7 (4)	7 (4)	7 (4)
China	12 (7)	12 (7)	12 (7)	12 (7)	12 (7)
India	75 (43)	70 (40)	65 (37)	60 (34)	55 (31)
Iran	27 (15)	27 (15)	27 (15)	27 (15)	27 (15)
Israel	20 (11)	20 (11)	20 (11)	20 (11)	20 (11)
Japan	202 (117)	177 (102)	167 (95)	157 (88)	147 (83)
Malaysia	35 (20)	35 (20)	35 (20)	35 (20)	35 (20)
Pakistan	22 (12)	22 (12)	22 (12)	22 (12)	22 (12)
Singapore	19 (10)	19 (10)	19 (10)	19 (10)	19 (10)
Thailand	17 (10)	17 (10)	17 (10)	17 (10)	17 (10)
Turkey	18 (10)	18 (10)	18 (10)	18 (10)	18 (10)
Other	78 (43)	78 (43)	78 (43)	78 (43)	78 (43)
Total Asia	730 (413)	670 (378)	630 (357)	590 (334)	550 (311)
China	23 (13)	23 (13)	23 (13)	23 (13)	23 (13)
India	54 (30)	54 (30)	54 (30)	54 (30)	54 (30)
Japan	18 (10)	18 (10)	18 (10)	18 (10)	18 (10)
South Africa	31 (17)	31 (17)	31 (17)	31 (17)	31 (17)
Other	32 (18)	32 (18)	32 (18)	32 (18)	32 (18)
Total Africa	138 (76)	138 (76)	138 (76)	138 (76)	138 (76)
Canada	102 (58)	112 (63)	112 (63)	112 (63)	112 (63)
United States	304 (171)	270 (152)	244 (138)	218 (124)	192 (109)
Other	41 (23)	41 (23)	41 (23)	41 (23)	41 (23)
Total North America	447 (252)	427 (237)	407 (231)	371 (207)	344 (196)
Australia	37 (21)	37 (21)	37 (21)	37 (21)	37 (21)
New Zealand	41 (23)	41 (23)	41 (23)	41 (23)	41 (23)
Other	43 (24)	43 (24)	43 (24)	43 (24)	43 (24)
Total Oceania	121 (68)	121 (68)	121 (68)	121 (68)	121 (68)
Total	1218 (683)	1120 (634)	1077 (609)	1027 (573)	978 (551)

The figures in brackets denote the number of resident students. The United Arab Emirates is now included in Africa; Other. For comparison with the figures of previous years, the distribution of an overseas student for the purposes of this table has been based on the date of the student's first registration fee.

Figures are included in the African column previously included in Asia; Other. Figures are included in the African column previously included in Asia; Other.

Admission of Students

Students are admitted to the following programmes:

1. Bachelor's Degree Course (3 years) leading to a Bachelor's Degree in Economics and Statistics or a Bachelor's Degree in Economics and Statistics with Honours.

2. Bachelor's Degree Course (3 years) leading to a Bachelor's Degree in Economics and Statistics with Honours and a Second Class Honours in Economics and Statistics.

3. Bachelor's Degree Course (3 years) leading to a Bachelor's Degree in Economics and Statistics with Honours and a Second Class Honours in Economics and Statistics (with a specialisation in Economics and Statistics).

Part II: Regulations and Facilities

The regulations and facilities for students are set out in the following sections:

1. **Admission:** Students are admitted to the following programmes: Bachelor's Degree Course (3 years) leading to a Bachelor's Degree in Economics and Statistics or a Bachelor's Degree in Economics and Statistics with Honours. For comparison with the figures of previous years, the distribution of an overseas student for the purposes of this table has been based on the date of the student's first registration fee.

2. **Registration:** Students must register with the University before the start of the academic year. Registration is required for all students, including those who are returning to the University after a period of absence.

3. **Attendance:** Students must attend a minimum number of lectures and seminars in each course. Failure to attend a sufficient number of lectures and seminars may result in a student being required to withdraw from the course.

4. **Examinations:** Students are examined at the end of each year. Examinations are held in the form of written papers and oral examinations. The results of the examinations are used to determine the student's progress in the course and to determine whether the student is eligible to proceed to the next year of the course.

5. **Financial Aid:** The University provides financial aid to students who are unable to pay their fees. Financial aid is available in the form of bursaries, scholarships, and loans. The amount of financial aid available depends on the student's financial situation and the country of origin.

6. **Accommodation:** The University provides accommodation for students who are unable to find accommodation elsewhere. Accommodation is available in the form of halls of residence and private accommodation. The cost of accommodation is included in the student's fees.

7. **Health and Welfare:** The University provides health and welfare services for students. These services include medical care, counselling, and support services. The University also provides information and advice on health and welfare issues.

8. **Employment:** The University provides information and advice on employment opportunities for students. This information includes details of the job market, the skills and qualifications required for different jobs, and the University's career services. The University also provides support services for students who are seeking employment.

## 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.

## First Degrees

1. 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.

2. Students at school in this country 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. The cost, post free, is 20p within the United Kingdom; 30p within Europe; 50p elsewhere.

3. Completed application forms must be returned to the U.C.C.A. and not to the School. The School's code number is **L LSE 44**. An overseas student should normally submit his form to the U.C.C.A. through one of the recognised agencies, such as the Ministry of Overseas Development or his own country's High Commissioner's Office, Students' Office, Embassy or Consulate General in the United Kingdom. Students from Ceylon, Ghana, India, Malaysia, Nigeria and Pakistan should make application through the education department of the office of their High Commissioner in London. Students from Australia, Canada, New Zealand, South Africa, the Republic of Ireland and the United States of America, and citizens of the U.K. and colonies resident in East Africa should submit their applications direct to the U.C.C.A. British Council offices abroad can give helpful advice, but do not supply application forms or handbooks. Any student whose permanent home address is outside the U.K. will be classed as an overseas student **for U.C.C.A. purposes.**

4. The earliest date at which the U.C.C.A. will receive applications for admission in October 1972 is 1 September 1971. The closing date for the receipt of applications at the U.C.C.A. is 15 December 1971, except for students who include Oxford or Cambridge in their choice of universities, who must submit their applications by 15 October 1971. 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.

5. Before anyone can be considered for admission to a degree course he must either have satisfied the general requirements of the University of London and any additional requirements for the course for which he is applying, or intend to do so

### Admission of Students

before the date on which he wishes to be admitted. The entrance requirements for the degree courses conducted by the School are set out briefly on pages 134–8. Full details may be found in the pamphlet *Regulations Relating to University Entrance Requirements* which may be obtained from the Secretary to the University Entrance Requirements Department, University of London, Senate House, Malet Street, London, WC1E 7HU. Intending students are advised to obtain a copy of the regulations and to check that their qualifications are appropriate for the course they wish to follow.

6. The fact that a student has satisfied these general requirements does not mean that he 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 students may also be asked to attend for interview or to take an entrance examination.

7. No person under the age of eighteen years will be admitted as a student without the Director's special permission. Any student who wishes to enter the School before his eighteenth birthday may be asked to write to state his reasons.

8. Candidates will be informed of the result of their applications through the U.C.C.A. Successful candidates will be admitted as regular students of the School on payment of the requisite fees and on presentation of a Statement of Eligibility to enter the University of London. They will receive an admission card, which must be produced at any time on demand.

9. 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 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.

### Interviews

Most offers of a place are made without the students' being called for interview, but practice varies from one course to another. However, the School normally invites applicants who have received an offer of a place to come to see its buildings, to meet teachers and to ask questions.

### University 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:

- (a) the general requirements laid down by the University of London for admission to degree courses.
- (b) the course requirements (if any) for the particular degree course they wish to follow. (See table on pages 137–8.)

Candidates may satisfy the general entrance requirements by:

1. passing the General Certificate of Education examination, or an approved equivalent, in the required number of subjects, i.e.  
either (a) two at advanced level and three at ordinary level,  
or (b) three at advanced level and one at ordinary level;

### Admission of Students

(Notes: (i) 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.

(ii) Higher or Lower passes in the Scottish Certificate of Education examination are accepted as equivalent to Ordinary level subjects in the G.C.E. examination. Advanced level equivalence is granted to certain subjects passed in the Certificate of Sixth-year Studies, and passes in certain branches of mathematics in the post-higher syllabus may count as equivalent to Advanced level subjects.)

- or 2. graduating in another university;
- 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 in 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 of a Teacher's Certificate, gained in or after 1960, at a Training College in Scotland or Northern Ireland after a course of study lasting not less than three academic years;
- or 6. by other qualifications to be considered by a Special Entrance Board. (See below.)

For a list of first degree courses and course requirements see pages 137–8.

A Special Entrance Board will consider applications from holders of the Higher National Diploma or Certificate, or the Ordinary National Diploma or Certificate. Full details will be found in the pamphlet *Regulations Relating to University Entrance Requirements* mentioned in Section 5 on page 134.

### Additional Information for Overseas Students

Many students overseas will find it convenient to submit their applications to the U.C.C.A. through an established agency, such as their government's Students Office or High Commission, or the Foreign and Commonwealth Office (Overseas Development Administration), and students are advised to seek the help and advice of these agencies before submitting an application. Students who wish to do so, however, may send direct to the U.C.C.A. any application for admission to a first degree course at the School. Students who are in any doubt or difficulty over this procedure may write direct to the School for advice.

Candidates from overseas are also asked to take particular note of the following points:

- (a) Those who do not hold the relevant British qualifications listed on pages 134–5, but who hold a qualification 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 through the U.C.C.A. If the School is willing to admit them it will forward their applications to the Special Board for consideration.
- (b) Students whose mother tongue is not English will be required to give evidence of proficiency in the language before their applications can be considered.
- (c) 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

### Admission of Students

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 at least £650 a year in addition to the fees. They may also be asked to provide a medical certificate.

- (d) Intending students from overseas should not set out for this country unless they have received a definite offer of a place at the School.
- (e) There is further information on pages 149-51 about fees for overseas students.

### Admission of Students

## Course Requirements

**Note** Besides the general requirements given on pages 134-5 candidates must satisfy the course requirements for the degree they wish to take.

<i>Course and Course Requirements</i>	<i>Description of Course Page</i>
B.Sc. Economics	184-83
'O' level pass in Mathematics expected	
LL.B.	183-6
No course requirement	
B.Sc. Degree	
'O' level pass in Mathematics expected for:	
Geography	188-94
Social Anthropology	187-88
Social Psychology	202-4
'A' level pass in Mathematics (or its equivalent if taken under an Examination Board other than London) expected for:	
Mathematics	200-2
B.A. History	194-5
'O' or 'A' level pass in a foreign language, modern or classical, required. 'A' level pass in History and 'O' level pass in another foreign language (modern, if required language is classical) expected	
B.A. Language Studies	195-9
French/Linguistics	
'A' level pass in French and 'O' or 'A' level pass in a second foreign language required	
German/Linguistics	
'A' level pass in German and 'O' or 'A' level pass in a second foreign language required	
Russian/Linguistics	
'A' level pass in Russian required	
B.A. in Two Modern Languages	
French/Russian	
'A' level pass in French and 'O' or 'A' level pass in Russian required	
French/Spanish	
'A' level pass in French and 'O' level pass in Latin required. 'A' level pass in Spanish expected	

## Admission of Students

### Course and Course Requirements

#### German/French

'A' level pass in French and at least 'O' level pass in second foreign language required. 'A' level pass in German preferred as second language

#### German/Russian

'O' or 'A' level passes in two languages required, preferably German and Russian

#### German/Spanish

'O' or 'A' level passes in two languages required, preferably German and Spanish

#### B.A./B.Sc. Sociology

205-6

##### Branch III

'O' level pass in Mathematics expected

#### B.Sc. Degree: Main Field Sociology

206-8

'O' level pass in Mathematics expected

## Admission of Students

### General Course Students

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 150 and 229).
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 strictly limited. Only students who propose to spend one whole session at the School will ordinarily be considered.
4. (a) The Adviser to General Course students has general responsibility for the arrangements for students in this category and will address newly-arrived students at the beginning of the year as part of a reception programme.  
(b) Every student is allocated to 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 classes.  
(d) The student has full use of the Library without payment of any additional fee.
5. (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) The student may apply to write not more than two examination papers in subjects of his own choosing. The results of any examinations are added to the registration certificate.  
(c) 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.*

6. Application forms for General Course registration may be obtained from the Assistant Registrar (Admissions) of the School. Completed applications must reach the School not later than 31 March before the opening of the session for which admission is sought.

### 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.



### *Admission of Students*

The fee for most courses is 50p 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 (Admissions) of the School and return it at least four weeks before the opening of the term in which he wishes to attend.

4. Each applicant will be asked to state his qualifications for study at the School and the purpose for which he wishes to study, and he 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 his attendance a student will, on request, be given a typed certificate listing the courses for which he has been registered, but this certificate will not include a detailed record of attendance.

### **University Registration**

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.

## **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 peaceably 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 the 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 Director 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

### Regulations for Students

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 therefor, 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 organization in a public statement or communication shall make clear his status as a student, and the status of any such organization.

#### 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 organization.

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.

### Regulations for Students

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 Academic Secretary, who will investigate the matter.

Should the Academic Secretary be satisfied that a *prima facie* case exists, he 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.

### *Regulations for Students*

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 to 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 a 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

### *Regulations for Students*

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 Academic 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 Academic Secretary in the academic year preceding the year of office, using a random selection process. In making this selection he shall seek the advice of an Appointed Teacher in Statistics of the University. He shall exclude from the selection students whose courses he anticipates will be completed during the year of selection. He 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, 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.

### *Regulations for Students*

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 Academic Secretary in the academic year preceding the year of office, using a random selection process. In making this selection he shall seek the advice of an Appointed Teacher in Statistics of the University. He shall exclude from the selection persons who he 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. He 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 Academic Secretary shall make further selections 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

### *Regulations for Students*

force shall remain valid and shall be deemed part of these Regulations until they have been amended, altered or cancelled under the provisions 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 Academic Secretary may be carried out by a person acting under his authority. In the absence or incapacity of the Academic Secretary his functions under these Regulations may be exercised by his Deputy or by another person authorised by the Director, and references in these Regulations to the Academic Secretary shall be read to include his Deputy or any such person.

## Fees

(The fees stated are those which are applicable to the session 1971-72; they may not be valid thereafter.)

### General Notes

#### 1. Composition fees entitle students to:

- (a) the use of the Library;
- (b) membership of the Students' Union, and, for students working under inter-collegiate arrangements, the use of student common rooms of the other colleges at which they attend.

2. Degree composition fees cover lectures, classes and individual supervision, and also lectures given at other colleges under intercollegiate arrangements.<sup>1</sup> They also cover University registration and examination fees except in the case of *part-time* students registered for higher degrees who must pay University registration and examination fees in addition to the School composition fees.

3. Following the decision of the government, announced in December 1966, separate fees are payable by overseas students. The definition of overseas students is given on pages 150-1.

4. Students are normally expected to pay fees by the session, but for those who find this difficult, payment by terminal instalments is permitted.<sup>2</sup>

5. The sessional or terminal fees should be paid in full before the beginning of the session or term to which they relate.<sup>2</sup> Fees are not returnable, but applications for partial return of fees may be considered in exceptional circumstances. Adequate notice of withdrawal from the School should be given. Students who fail to notify the School of their withdrawal before the opening of term will be liable for the fees for that term.

6. Fees should, as far as possible, be paid by cheque and remitted by **post** to the Accounts Department, Room H402.

7. Cheques should be made payable to the "London School of Economics and Political Science" and should be crossed "A/c. Payee".

8. The School does not issue receipts for payments by cheque unless specially requested.

<sup>1</sup>Composition fees do not include (a) the cost of field work or practical work required to be undertaken in vacation or term time, nor (b) the costs of a year of residence abroad required of students reading for B.A. degrees in Language Studies.

<sup>2</sup>If the sessional fee has not been paid by 31 December, students will be charged at the terminal rate.

## Fees

Full-time Students	UNITED KINGDOM		OVERSEAS	
	Sessional	Terminal	Sessional	Terminal
All first degrees	£70	£24	£250	£85
M.Sc., M.A., LL.M.				
One-year course or first year of two-year course	£93	£32	£250	£85
Second year	£60	£21	£250	£85
Ph.D., M.Phil.	£79	£27	£250	£85
Research Fee	£60	£21	£250	£85
Continuation Fee	£20	£7	—	—
University Diploma in Social Anthropology	£70	£24	£250	£85
School Diplomas in:				
Social Work Studies				
Personnel Management	£70	£24	£250	£85
Social Administration				
Statistics				
School Diploma in Development Administration	£800	—	£800	—
Trades Union Studies	£60	£21	£250	£85
General Course	£100	£34	£250	£85

Part-time Students	UNITED KINGDOM AND OVERSEAS	
	Sessional	Terminal
B.Sc. (Economics)	£25	£9
LL.B.	£32	£11
Ph.D., M.Phil., M.Sc., M.A., LL.M., Research Fee	£40*	£14*
Continuation Fee	£10*	£4*

All the above fees, except those marked with an asterisk, cover University Registration and Examination Fees.

Unless otherwise stated the fees apply to each year of the course of study.

## Fees

### Students Registered with the Graduate School

- (i) Graduate students undertaking research not leading to a degree, or undertaking studies leading to a higher degree of a university other than London, will be classified as research students and be required to pay the research fee.
- (ii) The continuation fee is payable by a higher degree student who has completed his approved course of study, but has been permitted to continue his registration. It entitles him to receive advice from his supervising teacher and to attend one seminar, but not to attend any lecture courses. These arrangements apply to full-time higher degree students who have been registered for three years at full fees, and part-time students who have been registered for four years.
- (iii) The fees cover attendance at all such courses at the School as a student may attend and at such courses at other institutions of the University as he may attend on the advice of his teachers and with the approval of the other institutions concerned.
- (iv) The fees for the LL.M. degree entitle the student to the advice and guidance of a supervising teacher and attendance at such lecture courses and seminars as are approved by the latter. A student spreading the work for the degree over two sessions may, with the consent of the teacher concerned, repeat a seminar or course already taken.
- (v) Part-time students reading for higher degrees are charged non-inclusive tuition fees plus a University registration fee of £8. They pay their own examination fee as follows:

M.A., M.Sc., M.Phil. or LL.M.	£25
Ph.D.	£35

### 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 50p per hour. Thus, for example, the fee for a course of ten lectures of one hour each is £5.

### Fees for Re-entry to Examinations for School Diplomas

A candidate who, as a registered full-time student, has completed the course of study for a Diploma awarded by the School, but has failed to satisfy the examiners in whole or in part, may apply to re-enter for the examination on payment of the following fees:

Re-entry for a single subject	£2
Re-entry for a whole examination	£6

### Definition of "Overseas Students" for the Purpose of Fees

The following are not regarded as overseas students for the purpose of paying fees:

1. Any student who has been ordinarily resident in the U.K. for at least three years immediately preceding the date his course is, or was, due to begin; a student who has been in the U.K. either at school or at a course of *non-advanced* further education<sup>1</sup> is regarded as having been ordinarily resident in the U.K. during the period of such attendance.

<sup>1</sup>General Certificate of Education 'O' and 'A' level and Ordinary National Diploma courses are examples of non-advanced further education courses.

## Fees

2. Any student whose parents (or one of whose parents) have been ordinarily resident in the U.K. for at least three years immediately preceding the date his course is, or was, due to begin.

3. Any student who would have been ordinarily resident in the U.K. for at least three years immediately preceding the date his course is, or was, due to begin had he or his parents (or one of his parents) not been employed for the time being outside the U.K.

4. Any student aged under 21 at the date his course is, or was, due to begin if he and his parents (or one of his parents) have been ordinarily resident in the U.K. for at least one year immediately preceding that date.

5. Any student who for at least one year immediately preceding the date his or her course is, or was, due to begin, has been (a) ordinarily resident or on a full-time or sandwich course of higher education<sup>1</sup> in the U.K., and (b) married to a person who has been ordinarily resident in the U.K. for at least three years immediately preceding that date.

All other students are regarded for the purpose of fees as overseas students for the duration of their course, including any student who has attended a full-time or sandwich course of *higher* education<sup>1</sup> in the U.K. prior to embarking on a course at the School. (An overseas undergraduate who marries a U.K. resident may, however, acquire home student status for a postgraduate course. See 5 above.)

<sup>1</sup>Higher National Diploma, Diploma in Art and Design and degree courses are examples of higher further education courses.

## Scholarships, Studentships, Prizes, Bursaries

The pages immediately following give particulars of the scholarships, studentships, prizes and bursaries made available by the School to students hoping to study or already studying at the School. The information relating to them is correct at the time of going to press, but may be amended in the light of subsequent developments. Intending candidates for undergraduate awards should enquire at the Registry and those for graduate awards at the Graduate School Office.

The University of London also offers a number of undergraduate and graduate awards, and further information may be obtained from the Academic Registrar, University of London, Senate House, WC1E 7HU.

Information about Local Authority Awards and State Scholarships may be found in the *Handbook of Undergraduate Courses 1972-73*, available from the Registry and the Undergraduate Admissions Office.

### Scholarships and Studentships

These awards are arranged in the following categories:

(a) **Entrance awards** open to those who seek to enter the School to read for a first degree.

(b) **Undergraduate awards** open only to students already studying at the School. They are generally awarded on the results of an Intermediate or Part I degree examination or on the student's record as an undergraduate.

(c) **Graduate awards** open to graduates who wish to read for a higher degree at the University of London or to undertake research or advanced study.

(d) **Awards open to both undergraduates and graduates:**

- (i) The S. H. Bailey Scholarship in International Studies (see page 157)
- (ii) The Scholarship in International Law (see page 157)

*Overseas applicants* All the awards offered are open to overseas students, and there are some for which only overseas students may compete. One graduate entrance studentship is offered exclusively to students from overseas, on the basis of record only, and without interview. An interview at the School is, however, an essential part of the selection procedure for all other awards offered by the School and overseas candidates cannot be considered unless they are likely to be in England at the time when the selection is being made.

### Entrance Scholarships

#### 1. ENTRANCE SCHOLARSHIPS FOR MATHEMATICIANS

A scholarship to the value of £550 a year is offered to students who wish to read for either the B.Sc. (Econ.) degree and who propose to offer one of the following special subjects in Part II of the final examination:

Accounting and Finance  
Economics, Analytical and Descriptive

### Scholarships, Studentships

Economics and Econometrics  
Statistics  
Computing

or the B.Sc. degree: Main Field Mathematics.

A small number of awards of £100 may also be made.

The closing date for receipt of applications is 30 November.

#### 2. LEVERHULME ADULT SCHOLARSHIP

This scholarship of the value of £100 a year is offered to candidates of not less than 23 years of age who intend to read for one of the first degrees in the Social Sciences. The closing date for receipt of applications is 15 December.

Detailed regulations for these scholarships and application forms may be obtained from the Senior Assistant Registrar.

#### 3. CHRISTIE EXHIBITION

This exhibition of the value of £40, is offered every other year to students reading for a diploma in the Department of Social Science and Administration. Further information may be seen in the pamphlet *Department of Social Science and Administration*.

### Scholarships for Undergraduates

#### 1. SCHOOL UNDERGRADUATE SCHOLARSHIPS

Three are offered annually and each are of the value of £100 a year. They are open to all students reading for first degrees at the School.

#### 2. C. S. MACTAGGART SCHOLARSHIPS

Three are offered annually and each are of the value of £100 a year. They are open only to students reading for the B.Sc. (Econ.) or LL.B. degree.

#### 3. CHARTERED INSTITUTE OF SECRETARIES SCHOLARSHIP

One is offered annually and is of the value of £50 a year if held in the second and third years of a degree course and £100 if held in the third year only. It is open only to students reading for the B.Sc. (Econ.) or LL.B. degree.

#### Regulations for Undergraduate Scholarships 1, 2 and 3

- (a) They shall be open to registered students of the School who have completed not less than one year of a first degree course at the School.
- (b) Awards shall be made only if there are candidates of sufficient merit.
- (c) The Scholarships shall be tenable for one or more years, extension beyond the first year being dependent upon the high standard of progress required of a School scholar.
- (d) Applications should be made by letter to the Senior Assistant Registrar by 31 July. Awards are normally made in October of each year.

*Scholarships, Studentships*

**HAROLD LASKI SCHOLARSHIP**

A scholarship in memory of Professor Harold Laski will be offered for award annually to second and third-year undergraduate students working within the Government department. It will be awarded to the student who, in the opinion of the convener of the department, has written the best essay during the current session. Essays will be submitted through tutors within the department by the beginning of the Summer term.

The value of the scholarship will be the income of the fund for the preceding year and will normally be about £50.

Undergraduates will be considered automatically and the successful candidate will be informed. An award will be made only if there is a candidate of sufficient merit.

**LILIAN KNOWLES SCHOLARSHIP**

An undergraduate scholarship will be offered by the School annually. The value of this scholarship will be the income of the fund for the preceding year and will normally be about £45.

The regulations for this scholarship are:

(a) It shall be awarded on the results of Part I of the B.Sc. (Econ.) examination to the student of the School intending to offer Economic History Modern, or Economic History Mediaeval, as his special subject in Part II of the examination and achieving the best results among such students in Part I of the examination as a whole. An award shall be made only if there is a candidate of sufficient merit.

(b) The scholarship shall be tenable for one year.

(c) The scholarship shall be awarded in the Summer each year.

Candidates need not make special application; they will be considered automatically and the successful candidate will be informed.

*Graduate Studentships*

The attention of students from overseas is particularly directed to the conditions of award for graduate studentships offered by the School. Competition for the studentships is keen and students from overseas should not come to the School in the expectation of securing an award. They should have sufficient resources to maintain themselves during their course of study.

The following table summarises the main conditions relating to graduate studentships offered by the School from its own funds or from benefactions; they are offered annually unless otherwise stated.

*Scholarships, Studentships*

<i>Name</i>	<i>Number offered</i>	<i>Value per annum</i>	<i>Period of tenure</i>	<i>Last date for receipt of applications</i>
Noel Buxton Studentship in International Relations (offered every other year: next award expected in 1972)	1	Not exceeding £1,250	Not less than two years	28 February
Graduate Studentships in International Studies	varies	Up to £750 + fees	1 year in the first instance, but may in some cases be extended for not more than 2 further years	28 February
Graduate Studentships in Economics (primarily for graduates of U.K. universities)	varies	£750 + fees	1 year in the first instance, but may in some cases be extended for not more than 2 further years	1 March
Eileen Power Memorial Studentship in Social and Economic History	1	At least £650	1 year	3 April
Leverhulme Research Studentships	2	£525 + fees	1 year	1 September
Leverhulme Graduate Entrance Studentship for Overseas Students	1	£775 in first year; £800 if renewed	1 year, renewable for a second year	28 April
Leverhulme Research Studentship for Overseas Students	1	£775	1 year	Early in the Summer term
Rees Jeffreys Studentship in Transport	1	£750	1 year, renewable for a second year	31 May



*Scholarships, Studentships*

Name	Number offered	Value per annum	Period of tenure	Last date for receipt of applications
Studentships in Economics, Economic Geography or Economic History of Latin America	1 or more	£750 + fees and cost of approved travel	1 year, renewable for a second year	7 June
Graduate Studentships	2	£525 + fees in first year; £550 + fees if renewed	1 year, renewable for a second year	1 September
Hutchins Studentship for Women in Economic History or some other branch of the Social Sciences (offered every 4th year: next award expected in 1974)	1	About £500	1 year	1 September
Jackson Lewis Scholarship in the Social Sciences (offered every other year: next award expected in 1972)	1	At least £400	1 year, renewable for a second year	1 September
Montague Burton Studentship in International Relations	1	£40 with possibility of maintenance grant	1 year, renewable for a second year	1 September
Acworth Scholarship (in inland transport subjects)	1	£90	1 year	1 September
Rosebery Studentship (in the Social Sciences, preference given to transport subjects)	1	£100	1 year, renewable for a second year	1 September

*Scholarships, Studentships*

The following general regulations apply to all graduate studentships listed above:

- Each holder of a studentship shall be required to register as a full-time student in the Graduate School and to obtain the approval of the Director for the advanced study or research which he proposes to undertake.
- The holder of a studentship shall undertake no paid employment without the permission of the Director.
- Appropriate deductions will normally be made from the value of the studentship in any case where the total income from all other sources exceeds £250 a year.
- Awards shall be made only if there are candidates of sufficient merit.
- All applications should be made to the Secretary of the Graduate School by the closing date stated on the table above.
- Candidates should submit an outline of their proposed programme of study or research and are also invited to send original work, either published or in typescript, in support of their application.

## DEPARTMENT OF EDUCATION AND SCIENCE: STATE STUDENTSHIPS

Students of the School who wish to undertake graduate work at the School or other universities with the aid of these studentships should apply to the Senior Assistant Registrar by a date in the Lent Term which will be announced on the Scholarships Notice Board in the main entrance hall of the School.

SOCIAL SCIENCE RESEARCH COUNCIL STUDENTSHIPS  
and  
SCIENCE RESEARCH COUNCIL STUDENTSHIPS

Students who wish to be nominated for one of these studentships should seek further information from the Secretary of the Graduate School.

*Awards Open to Undergraduates and Graduates*S. H. BAILEY SCHOLARSHIP IN INTERNATIONAL STUDIES  
and  
SCHOOL SCHOLARSHIP IN INTERNATIONAL LAW

These two scholarships are offered for award annually and are each of the value of £50. They are open to men and women who are regular students of the School, and are intended to enable the successful students to attend a session at the Academy of International Law at The Hague, or, in the case of the S. H. Bailey Scholarship, to attend any other institute of international study or to gain experience of some suitable international organization on a plan to be approved by the Director. They will be awarded only if there are candidates of sufficient merit, and candidates should make a written application to the Senior Assistant Registrar before 1 May in the year of award.

## Prizes

Offered by the School and open only to students of the School.

### Allyn Young Prize

In memory of the late Professor Allyn Young, a prize in books will be awarded annually for the best performance in the papers in Economics and Elementary Statistical Theory by a student at Part I of the B.Sc. (Econ.) final examination. The value of the prize will be the income of the fund for the year preceding the award and will normally be about £8·50. It will be awarded only if there is a suitable candidate.

### School Prizes

Provided that candidates of sufficient merit present themselves, the School will award annually eleven prizes of books to the value of £10 each to students who are reading for first degrees and whose work in their first year shows particular merit.

The prizes will be offered as follows:

*B.Sc. (Econ.)*: three prizes will be awarded: one for the best performance in Part I of the B.Sc. (Econ.) examination as a whole; one for the best performance in Economic History or Political History; one for the best performance in British Government: An Introduction to Politics.

*LL.B.*: a prize will be awarded for the best performance in the College Intermediate examination in Laws.

(i) *B.A./B.Sc. in Sociology and B.Sc.: Main Field Sociology*; (ii) *B.Sc in Geography*; (iii) *B.A. with Honours in History*; (iv) *B.Sc. in Social Anthropology*; (v) *B.Sc.: Main Field Mathematics*; (vi) *a first degree in the department of Language Studies*; (vii) *B.Sc. in Social Psychology*: a prize will be awarded to the student who is adjudged to have done the best first year's work in a degree course in each of these groups.

### Hughes Parry Prize

The Hughes Parry Prize, of books to the value of about £22, may be awarded annually to a regular student of the School achieving an outstanding performance in the subject of Law of Contract in the College Intermediate examination in Laws. This prize commemorates the work of Sir David Hughes Parry, Professor of English Law from 1930 to 1959 and first Director of the Institute of Advanced Legal Studies.

### Raynes Undergraduate Prize

A prize in books, provided through the generosity of the late Mr. Herbert Ernest Raynes, will be awarded annually in July to the student of the School who obtains the best marks in Part II of the B.Sc. (Econ.) final examination. The value of the prize will be the income of the fund for the year preceding the award, and will normally be about £20·50.

### William Farr Prize

Through the generosity of the late Mr. W. J. H. Whittall, a prize consisting of a medal and books is offered annually in memory of Dr. William Farr, C.B., F.R.S. The value of the books will be the remainder of the preceding year's income of the

## Prizes

fund after provision of the medal and will not normally be less than £10. It will be awarded for proficiency and merit in the special subjects of Statistics or Computing<sup>1</sup> at Part II of the final B.Sc. (Econ.) examination, the award to be restricted to regular students of the School, who have pursued a course of study at the School as internal students of the University of London.

### The Gonner Prize

A prize is offered annually in memory of the late Professor Sir Edward Gonner, Professor of Economic Science in the University of London from 1891 to 1922, and Director of Intelligence in the Ministry of Food from 1917 to 1921. The value of the prize will be the income of the fund for the year preceding the award and will normally be about £8·50. It will be awarded to the student who shows conspicuous merit in the special subjects of Economics (Analytical and Descriptive), or Economics and Econometrics, or Monetary Economics or Industry and Trade in Part II of the B.Sc. (Econ.) degree final examination. The prize will be given in books, and is restricted to registered students of the School who have pursued a course of study at the School as internal students of the University. It will be awarded only if there is a suitable candidate.

### The George and Hilda Ormsby Prizes

Through the generosity of Dr. Hilda Ormsby the School offers annually two prizes open to students reading for first degrees in the department of Geography as internal students of the University of London.

One prize, to the value of £20, will be awarded to the candidate whose performance is judged the best either in the B.Sc. (Econ.) Part II examination with Geography as the special subject or in the examination for the B.Sc. degree in Geography.

Another prize, to the value of £30, will be awarded for the best piece of original work submitted by a student in the department of Geography during his undergraduate course. Students will be allowed to submit, for example, work completed for the independent geographical study offered as part of the honours course, original field work, work published in *Horizon* or elsewhere, or other original geographical work completed during the undergraduate course.

### S. W. Wooldridge Memorial Awards

Awards may be made annually from the S. W. Wooldridge Memorial Fund, established by contributions from present and past students and friends of the Joint School of Geography of King's College and the London School of Economics and Political Science. The awards are made to assist independent projects of field study by students registered in the Joint School and are not available to assist students with prescribed field work or dissertation topics.

A brief summary of up to 500 words of a proposed project must be submitted to the convener of the department of Geography before 10 June.

<sup>1</sup> Students who are offering the special subject Computing will be eligible for the award if they offer the paper Probability, Distribution and Sampling Theory.

## Prizes

### Geoids Book Prize in Memory of S. W. Wooldridge

Members of the Geoids Amateur Operatic Society, founded in 1930 by Professor S. W. Wooldridge, have subscribed to a fund in his memory, from which an annual book prize may be awarded. Further information may be obtained from the convener of the department of Geography at the School.

### Premchand Prize

A prize of about £27.50 awarded through the generosity of Sir Kikabhai Premchand of Bombay, is offered annually to a student who shows conspicuous merit in the special subject of Monetary Economics at Part II of the final B.Sc. (Econ.) examination. The prize is restricted to registered students of the School whose course of study has been pursued as internal students of the University. It will be awarded only if there is a suitable candidate.

### The Arthur Andersen Prize in Accounting

A prize of the value of about £15 in books is offered annually to the regular student of the School who, as a candidate for the B.Sc. (Econ.) degree in the special subject of Accounting and Finance, is judged by the staff of the School who are examiners in that special subject to be the best of his year in the papers in Accounting. This prize will be awarded only if a candidate of sufficient merit presents himself.

### The Bassett Memorial Prizes

Two prizes will be offered annually in memory of Professor R. Bassett, Professor of Political Science: (i) a prize of books to the value of £15 to the regular student of the School who, as a candidate for the B.Sc. (Econ.) degree, with Government as his special subject, is judged to be the best of his year; special consideration will be given to conspicuous merit in the paper 'The Politics and Government of the United Kingdom'; (ii) a prize of books to the value of £8 to the Trades Union student who is judged to have achieved the best performance of his year in Trades Union Studies.

### Hobhouse Memorial Prize

A prize of about £10 in books is offered annually in memory of the late Professor L. T. Hobhouse, Martin White Professor of Sociology at the School from 1907-1929. The prize will be awarded to a student who shows conspicuous merit in the final examination for the B.A. degree with Honours in Sociology, Branch I, B.Sc. (Sociology) degree, Branch I, or the B.Sc. (Econ.) with Sociology in Part II of the final examination. Candidates must be regular students of the School who are also internal students of the University. The award will be made only if there is a suitable candidate.

### The Free Press Prize

Through the generosity of the Free Press of Glencoe, a prize of about £25 in books is offered annually to a student who shows conspicuous merit in the subject of Sociology. The prize will be awarded on the basis of performance in the final examination for the B.A. degree with Honours in Sociology, Branch I, the B.Sc.

## Prizes

(Sociology) degree, Branch I, or the B.Sc. (Econ.) degree with Sociology in Part II of the final examination. Candidates must be regular students of the School who are also internal students of the University. The award will be made only if there is a suitable candidate.

### Mostyn Lloyd Memorial Prize

The Committee of the Mostyn Lloyd Memorial Fund offers annually a prize of about £17 in memory of the late Mr. Mostyn Lloyd, who was head of the department of Social Science from 1922 until 1944. Through the generosity of Mrs. Lloyd the prize in recent years has amounted to £20. It is awarded by the Director, on the recommendation of the convener of the department of Social Science and Administration, to the best all-round student or students obtaining the Diploma in Social Administration in each year. Both academic achievement and practical work are taken into consideration. The prize will be awarded only if there is a suitable candidate.

### The Janet Beveridge Award

A prize of about £38.50 in books is offered annually by the Trustees of the Janet Beveridge Memorial Fund. The prize will be awarded to a regular student of the School who, being an internal student of the University, achieves conspicuous merit in the final examination for the B.A. Honours degree in Sociology, Branch III, or the B.Sc. (Sociology) degree, Branch III. The award will be made only if there is a suitable candidate.

### Gladstone Memorial Prize

The Trustees of the Gladstone Memorial Trust offer an annual prize of £30, one half of which will be awarded in books, for an essay set within the terms of the Trustees' essay formula. This demands that 'the subject of the Essay shall be connected with either History or Political Science or Economics, and with some aspect of British policy, domestic, international or foreign, in relation to finance or other matters, from the beginning of the nineteenth century to the present time'. The prize is open to all regular students registered at the School for the session preceding the date of entry, which will be 30 November in each year. The subjects of the essay are announced annually in the Lent term. In considering the essays submitted, the committee of award will take into account the age and standing of the candidates.

Essays, which should not exceed 8,000-10,000 words in length, should reach the Director not later than 30 November in each year.

### Rosebery Prizes

The School offers for award annually two prizes, one of the value of £20 and one of the value of £10, for an essay on an approved subject in the Social Sciences including Transport.

All students of the School reading for a first degree may compete. The subjects are announced in the Michaelmas term of each session and essays, of not more than 3,000 words in length, should be sent to the Senior Assistant Registrar by 31 May. An award will normally be made in June of each year.

## Prizes

### The Director's Essay Prize

A prize in books of the value of £10 is offered for award annually by the Director for the best essay written during the first session by an undergraduate student, reading for a first degree or diploma, who has not previously studied at a university. The essay should not exceed 3,000 words. Subjects approved by the Director will be announced each year.

### Bowley Prize

The School offers a prize to commemorate the distinguished services to economic and statistical sciences of the late Professor Sir Arthur L. Bowley, Professor of Statistics in the University of London from 1915 to 1936.

The value of the prize will be the income of the fund for the three years preceding the award and will normally be about £25.

It will be open to present or past regular students of the School who have been registered for a period of at least two years and, if graduates, are within ten years of their first graduation at any university. The prize will be offered for written work in the field of economic or social statistics completed within four years prior to 1 January 1972. It will be awarded only if an adequate standard of excellence is attained.

The Committee of Award will consist of one representative of the School, one of the Royal Statistical Society and one of the Royal Economic Society.

Candidates wishing to submit work for consideration by the Committee should send it to the Senior Assistant Registrar by 1 January 1972.

### The Firth Award

A prize to the value of about £20.50 will be offered annually to graduate students in the department of Anthropology for the best paper of the year contributed to any seminar in the department. The award will be made by the Director on the recommendation of the convener and senior members of the department.

An award will be made only if a paper of suitable merit is contributed.

### Ely Devons Prizes

Two prizes, each of the value of about £20, will be offered annually in memory of the late Professor Ely Devons. One prize will be awarded to the regular student of the School who, as a candidate for the M.Sc. degree in Economics, is judged to be the best of his year; the other to the best candidate for the M.Sc. degree in Econometrics and Mathematical Economics. The awards will be made only if there are suitable candidates.

### The Gourgey Essay Prize

Through the generosity of Mr. P. S. Gourgey, a former student of this School, a book prize of the value of about £1.50 will be offered for award annually to students attending the course in Trades Union Studies. It will be awarded to the student who, in the opinion of his teachers, submits the best project report during the Lent term of each academic year. An award will be made only if there is a candidate of sufficient merit.

## Bursaries

The School may offer a limited number of bursaries to assist students to read for first degrees or diplomas or to proceed with advanced study or research. The maximum amount of the bursaries will be equivalent to the tuition fees at the U.K. rate which the students would otherwise be required to pay.

The regulations for these bursaries are:

1. Bursaries may be awarded to students who have normally completed at least one year of study, who can demonstrate financial need and whose academic record shows merit.
2. They shall not be awarded for longer than one year in the first instance.
3. The bursary holder shall follow a course of study or research approved by the Director.
4. Applications must be accompanied by
  - (a) a full statement of the candidate's financial position, showing clearly why he is unable to pursue his studies without financial assistanceand
  - (b) a letter of recommendation from his tutor.
5. Applications should be made on the prescribed form obtainable from:  
the Senior Assistant Registrar, by students reading for first degrees and diplomas;  
the Secretary of the Graduate School, by students following a course for advanced study or research.

## First Degree Courses

### General Information

The School registers students for the following degrees of the University of London:

Bachelor of Science in Economics

Bachelor of Laws

Bachelor of Arts with Honours in the following subjects:

History, Language Studies, Sociology

Bachelor of Science in Geography, Mathematics, Social Anthropology, Social Psychology, and Sociology

The degree regulations as printed in this Calendar are correct at the time of going to press, but may possibly have been modified in minor respects by the beginning of the academic year.

All students should read the University Regulations for Internal Students in the relevant faculty. They may be obtained from the University or the Registry at the School.

The School reserves the right at all times to withdraw or alter particular courses and course syllabuses.

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.

### Degree of Bachelor of Science in Economics

Complete courses of study are provided by the School for the degree of B.Sc. (Econ.). The entrance requirements for this degree are set out in the table on pages 137-138.

Students who have obtained the B.A. degree in Sociology or the B.Sc. (Soc.) degree will not be permitted to offer special subject Sociology or special subject Social Anthropology at Part II of the B.Sc. (Econ.) examination.

#### 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 for Part II after having satisfactorily attended approved courses extending over two further academic years.

<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.

### First Degree Courses

#### Details of Examination

The examination is divided into two Parts, and a candidate is required to pass Part I before he enters for Part II.

The subjects of the examination are as follows:

#### Part I

Part I of the examination consists of five papers, as follows:

	<i>Reference Nos. of Courses</i>
<b>Compulsory Subjects</b>	
1. <i>Either</i> (a) Economics	21-22
<i>or</i> (b) Introduction to Mathematical Economics	23, 23a
<i>(Candidates selecting 1 (b) Introduction to Mathematical Economics are required to present Algebra and Methods of Analysis as an alternative subject at Part I. Students at the School will normally take 1 (a); 1 (b) may be taken only by those offering special subject II. Economics and Econometrics, X. Statistics, or XI. Computing at Part II; certain options in these special subjects may be taken only by candidates who have taken 1 (b))</i>	
2. British Government: an Introduction to Politics	523, 523a
3. History:	
<i>either</i> (a) Economic History	260, 260a
<i>or</i> (b) Political History	288-9
<b>Alternative Subjects</b>	
4 and 5. <i>Two</i> subjects to be chosen from the following alternatives, subject to the limitations set out below:	
(1) <i>Either</i> (a) Basic Mathematics	900, 900a
<i>or</i> (b) Algebra and Methods of Analysis	902, 902a, 904, 904a
(2) Elementary Statistical Theory <sup>1</sup>	921, 921a
(3) Introduction to Logic	492, 492a
(4) Introduction to Scientific Method	485-6, 488
(5) English Legal Institutions	442, 442a
(6) Elements of Social Structure I	830, 830a
(7) Structure of International Society	580, 580a
(8) Methods of Social Investigation	918, 918a, 936, 936a
(9) Principles and Methods of Social Anthropology	640, 642, 650, 653
(10) Introduction to Psychology	695(i), (iii), b
(11) An Approved Modern Foreign Language <i>(A pass at Advanced level in the language proposed is normally required of students at the</i>	377, 383-4, 389, 390(i), 395, 401(i), 402(i)

<sup>1</sup>'A' level Mathematics assumed.

### First Degree Courses

*School, and those taking this option should register with the Secretary of the department of Language Studies in the first week of the session)*

	Reference Nos. of Courses
(12) Human Geography	182, 182a
(13) The Economic History of England 1216-1603	269, 269a
(14) International Law ( <i>Candidates who have taken International Law at Part I will not be permitted to offer International Law at Part II</i> )	449, 449a
(15) Introduction to Analysis and Set Theory	905, 905a

In special cases a student may be permitted by the School to substitute subject (15) Introduction to Analysis and Set Theory for one of the three compulsory subjects. The alternative subjects must be selected according to the following scheme:

#### Special Subject in Part II

- I. Economics, Analytical and Descriptive
- II. Economics and Econometrics
- III. Monetary Economics
- IV. Industry and Trade
- V. Accounting and Finance

#### Alternative Subjects in Part I

- Any two of the alternative subjects
- Either (1) (a) Basic Mathematics or (1) (b) Algebra and Methods of Analysis and any other alternative subject (Candidates taking options (1) (b)-(3) (b) at Part II will be required to have taken Algebra and Methods of Analysis at Part I)*
- Any two of the alternative subjects
- Either (1) (a) Basic Mathematics or (1) (b) Algebra and Methods of Analysis and any other alternative subject (Candidates taking Commercial Law or Labour Law at Part II will be required to have taken English Legal Institutions at Part I; candidates taking Elements of Statistical Theory and Methods, or Elements of Management Mathematics at Part II may not take Elementary Statistical Theory at Part I)*
- (5) English Legal Institutions and *either (1) (a) Basic Mathematics or (1) (b) Algebra and Methods of Analysis or (2) Elementary Statistical Theory*

### First Degree Courses

#### Special Subject in Part II

- VI. Economic History, Modern
- VII. Economic History, Mediaeval
- VIII. Government
- IX. Sociology
- X. Statistics
- XI. Computing
- XII. International Relations
- XIII. Social Anthropology
- XIV. International History
- XV. Geography
- XVI. Philosophy

#### Alternative Subjects in Part I

- Any two of the alternative subjects
- Any two of the alternative subjects
- Any two of the alternative subjects
- (6) Elements of Social Structure I and *either (8) Methods of Social Investigation or (9) Principles and Methods of Social Anthropology*
- (1) (b) Algebra and Methods of Analysis and (2) Elementary Statistical Theory *Either (1) (a) Basic Mathematics and (8) Methods of Social Investigation or (2) Elementary Statistical Theory and any other alternative subject*
- Any two of the alternative subjects
- (9) Principles and Methods of Social Anthropology and one other alternative subject
- Any two of the alternative subjects
- (12) Human Geography and any one of the other alternative subjects
- Any two of the alternative subjects

In the above scheme for selection of alternative subjects, references to Algebra and Methods of Analysis apply also to the former subject Intermediate Mathematics.

#### History as an optional subject at Part II

A candidate who has taken paper 3 (a) Economic History at Part I is not permitted at Part II to take Economic History at the subject 'History' in papers 1, 2, 3, 4, 5 or 6, and a candidate who has taken paper 3 (b) Political History at Part I is not permitted at Part II to take Political History in papers 1, 2, 3, 4, 5, 6 or 8. Candidates taking V. Accounting and Finance at Part II may, with the permission of the School, substitute for either Economic History or Political History at Part II, a paper in Economic History chosen from papers of VI. Economic History, Modern, or VII. Economic History, Mediaeval.

### Part II

#### Special Subjects

Part II of the examination consists of eight subjects as prescribed for each special subject below:

#### I. Economics, Analytical and Descriptive

N.B. Students of the School who take all three of the following subjects: Economic Institutions Com-

### First Degree Courses

pared, The Economics of Planning, and Economic Development cannot take Public Finance. Save in exceptional circumstances all other students of the School must take Public Finance under paper 3 or 8.

	<i>Reference Nos. of Courses</i>
1. Political Thought	510-12
2. One of the following:	
(a) History:	
either (i) Economic History	261, 261a
or (ii) Political History	290, 290a
(b) Introduction to Modern Mathematics ( <i>This paper may not be taken by candidates who have taken Basic Mathematics at Part I</i> )	900, 900b-901
(c) Mathematics A	914
(d) Mathematics B	915-915b
3. One of the following:	
(a) Scientific Method	487, 487b, 499
(b) Accounting—Management and Economic Aspects	151, 151a, 154-155a, 159, 940
(c) An Approved Modern Foreign Language ( <i>Students at the School who are taking this option should normally have taken the language of their choice at A level or at Part I</i> )	376, 378-9, 386-7, 390(ii)-(iii), 392, 396-7, 401(ii), 402(ii)
(d) Public Finance	41-2, 72, 101
(e) Elements of Statistical Theory and Methods ( <i>This paper may not be taken by candidates who have taken Elementary Statistical Theory at Part I</i> )	921-3
(f) Commercial Law	443-6a
(g) Economic Geography	204-5, 205b-7
(h) Elements of Social Structure II ( <i>This paper may not be taken by candidates who have taken Elements of Social Structure I at Part I</i> )	830, 831
(i) Economic Institutions Compared	51, 51a
(j) The Economics of Planning	97
(k) Economic Development	50, 50a
4. Economic Principles	28(i)-28(iii), 29, 29a
5. Problems of Applied Economics	28(iv)-28(v)a
6. One of the following:	
(a) Economic Statistics	931-3
(b) Economic Institutions Compared ( <i>not if taken in 3 or 8</i> )	51, 51a
(c) The Economics of Planning ( <i>not if taken in 3 or 8</i> )	97
(d) Economic Development ( <i>not if taken in 3 or 8</i> )	50, 50a

### First Degree Courses

	<i>Reference Nos. of Courses</i>
7. Development of Economic Analysis	31, 31a
8. One of the following:	
(a) Principles of Monetary Economics	—
(b) International Economics	49, 49a
(c) History of Economic Thought	30, 30a
(d) Economics treated Mathematically	32, 32a, 958, 958a
(e) Public Finance ( <i>if not taken in 3 above</i> )	41-2, 72, 101
(f) Economics of Labour	40, 40a
(g) Economic Institutions Compared ( <i>not if taken in 3 or 6</i> )	51, 51a
(h) The Economics of Planning ( <i>not if taken in 3 or 6</i> )	97
(i) Economic Development ( <i>not if taken in 3 or 6</i> )	50, 50a
II. Economics and Econometrics	
Either	
1. (a) Economic Principles	28(i)-28(iii)
2. (a) Economics treated Mathematically	32, 32a, 958, 958a
3. (a) (i) Mathematics A	914
or (ii) Mathematics B	915-915b
or (iii) Introduction to Analysis and Set Theory ( <i>unless taken at Part I</i> )	905, 905a
or (iv) Real Variable ( <i>This paper may be taken only by candidates who have taken Introduction to Analysis and Set Theory at Part I</i> )	907, 907a, 912
or	
<i>in the case of candidates who have taken Introduction to Mathematical Economics and Algebra and Methods of Analysis at Part I:</i>	
1. (b) Mathematical Economics I	36, 36a
2. (b) Mathematical Economics II	37, 37a
3. (b) (i) Mathematics B	915-915b
or (ii) Introduction to Analysis and Set Theory ( <i>unless taken at Part I</i> )	905, 905a
or (iii) Real Variable ( <i>This paper may be taken only by candidates who have taken Introduction to Analysis and Set Theory at Part I</i> )	907, 907a, 912
4. Either	
(a) Political Thought	510-12
or	
(b) History:	
either (i) Economic History	261, 261a
or (ii) Political History	290, 290a

*First Degree Courses*

	<i>Reference Nos. of Courses</i>
5. One of the following:	
(a) Elements of Statistical Theory and Methods <i>(This paper must be taken by candidates who have not taken Elementary Statistical Theory at Part I and may be taken only by such candidates)</i>	921-3
(b) Statistical Theory	924-5a, 929-30
(c) Management Mathematics	956-8a
(d) Accounting—Management and Economic Aspects	151, 151a, 154-5a, 159, 940
(e) Development of Economic Analysis	31, 31a
6. Problems of Applied Economics	28(iv)-(v)a
7 } <i>Either</i>	
and 8 }	
7. (a) Economic Statistics	931-3
and 8 (a) Econometrics	33, 33a, 922, 922a
<i>or</i>	
7. (b) Econometric Theory	34, 34a, 922a
and 8 (b) Applied Econometrics	35, 35a
<i>(Options 7 (b) and 8 (b) may be taken only if Statistical Theory is taken at paper 5)</i>	

**III. Monetary Economics**

N.B. Students at the School will be required to take Public Finance under paper 3 or paper 8. Only those who have taken a Mathematics or Statistics subject at Part I may take Economic Statistics; otherwise, students will normally be expected to take International Economics.

1. Political Thought	510-12
2. History:	
<i>either</i> (i) Economic History	261, 261a
<i>or</i> (ii) Political History	290, 290a
3. One of the following:	
(a) Scientific Method	487, 487b, 499
(b) Accounting—Management and Economic Aspects	151, 151a, 154-5a, 159, 940
(c) Economic Geography	204-5, 205b-7
(d) An Approved Modern Foreign Language <i>(Students at the School who are taking this option should normally have taken the language of their choice at A level or at Part I)</i>	376, 378-9, 386-7, 390(ii)-(iii), 392, 396-7, 401(ii), 402(ii)
(e) Constitutional and Administrative Law	448
(f) Commercial Law	443-6a

*First Degree Courses*

	<i>Reference Nos. of Courses</i>
(g) Elements of Social Structure II <i>(This paper may not be taken by candidates who have taken Elements of Social Structure I at Part I)</i>	830, 831
(h) Mathematics A	914
(i) Introduction to Modern Mathematics <i>(This paper may not be taken by candidates who have taken Basic Mathematics at Part I)</i>	900, 900b, 901
(j) Public Finance	41-2, 72, 101
4. Economic Principles	28(i)-(iii), 29, 29a
5. Problems of Applied Economics	28(iv)-(v)a
6. Principles of Monetary Economics	43, 46-8a
7. Monetary Institutions	44-5a
8. One of the following:	
(a) History of Economic Thought	30, 30a
(b) International Economics	49, 49a
(c) Economic Statistics	931-3
(d) Public Finance <i>(if not taken in 3 above)</i>	41-2, 72, 101
(e) Economics of Labour	40, 40a

**IV. Industry and Trade**

1. Economic Principles	28(i)-(iii), 29, 29a
2. <i>Either</i> (a) Political Thought	510-12
<i>or</i> (b) History	
<i>either</i> (i) Economic History	261, 261a
<i>or</i> (ii) Political History	290, 290a
3. <i>Either</i> (a) Elements of Statistical Theory and Methods <i>(This paper may not be taken by candidates who have taken Elementary Statistical Theory at Part I)</i>	921-3
<i>or</i> (b) Economic Statistics	931-3
<i>or</i> (c) Elements of Management Mathematics <i>(This paper may not be taken by candidates who have taken Elementary Statistical Theory at Part I)</i>	918, 918a, 955, 955a
4. Business Administration	39, 39a, 72
5. Industry and Trade	38, 38a, 72
6, 7 and 8. <i>Three</i> of the following. Students at the School are recommended to take:	
<i>either</i> (a), (b) and one of (c), (d), (e) or (h)	
<i>or</i> any three of (b), (e), (f), (h) or (j)	
but other combinations of papers may be approved	
(a) Development of Economic Analysis	31, 31a
(b) Problems of Applied Economics	28(iv)-(v)a
(c) History of Economic Thought	30, 30a
(d) Economics treated Mathematically	32, 32a, 958, 958a



*First Degree Courses*

	<i>Reference Nos. of Courses</i>
(e) Economics of Labour	40, 40a, 101
(f) Commercial Law ( <i>Candidates taking this paper will be required to have taken English Legal Institutions at Part I</i> )	443-5a, 446
(g) Business Finance <sup>1</sup>	—
(h) Accounting—Management and Economic Aspects	151, 151a, 154-5a, 159, 940
(i) <i>Either</i> Mathematics A or Mathematics B	914 915-915b
(j) Labour Law ( <i>Candidates taking this paper will be required to have taken English Legal Institutions at Part I</i> )	447, 447a

**V. Accounting and Finance**

1. <i>Either</i> (a) Political Thought or (b) History	510-12
<i>either</i> (i) Economic History or (ii) Political History	261, 261a 290, 290a
<i>(With the permission of the School, candidates may substitute for 1 (b) (i) or (ii) a paper in Economic History from VI. Economic History, Modern, or VII. Economic History, Mediaeval)</i>	
2. <i>One of the following:</i>	
(a) Elements of Management Mathematics ( <i>This paper may not be taken by candidates who have taken Elementary Statistical Theory at Part I</i> )	918, 918a, 955, 955a
(b) Business Administration	39, 39a, 72
(c) Mathematics A	914
(d) Mathematics B	915-915b
(e) Elements of Statistical Theory and Methods ( <i>This paper may not be taken by candidates who have taken Elementary Statistical Theory at Part I</i> )	921-3
(f) Economics treated Mathematically	32, 32a, 958, 958a
(g) Introduction to Modern Mathematics ( <i>This paper may not be taken by candidates who have taken Basic Mathematics at Part I</i> )	900, 900b, 901
(h) Management Mathematics	956-8a
(i) Introduction to Analysis and Set Theory ( <i>unless taken at Part I</i> )	905, 905a
3. Economic Principles	28(i)-(iii), 29, 29a
4. <i>Either</i> (a) Problems of Applied Economics or (b) Industry and Trade	28(iv)-(v)a 38, 38a, 72

<sup>1</sup>There is no teaching for this paper at the School.

*First Degree Courses*

	<i>Reference Nos. of Courses</i>
5. Commercial Law	443-4a, 446, 446a
6, 7 and 8. Accounting and Finance	151-3a, 155-8, 161-2a, 940, 942

**VI. Economic History, Modern**

1. Economics	25, 25a
2. Political Thought	510-12
3. English Economic History, 1485-1760	263-4, 275
4. English Economic History from 1760	264, 276
5 and 6. <i>One of the following:</i>	
(a) Economic and Political History of England c. 1575-1642	265, 272
(b) Economic and Political History of England, 1830-1886	266, 273
(c) Britain and the International Economy, 1929-1936	274
<i>Candidates may substitute for one paper an essay of not more than 10,000 words written during the course of study, on an approved topic.</i>	
7. Economic History of the United States of America from 1783	267, 267a
8. <i>One of the following:</i>	
(a) English Constitutional History since 1660	524
(b) <i>either</i> (i) International History 1815-1914 or (ii) International History since 1914	292, 308 293, 309
(c) International Economic History, 1850-1945	268, 268a
(d) An Approved Modern Foreign Language ( <i>Students at the School who are taking this option should normally have taken the language of their choice at A level or at Part I</i> )	376, 378-9, 386-7, 390(ii)-(iii), 392, 396-7, 401(ii), 402(ii)
(e) Scientific Method	487, 487b
(f) Social Philosophy	834-5, 837
(g) Elements of Social Structure II ( <i>This paper may not be taken by candidates who have taken Elements of Social Structure I at Part I</i> )	830, 831
(h) Economic Statistics	931-3
(i) Historical Geography	214(i), 214(i)a
(j) Political History	290, 290a
(k) Social Aspects of Political and Economic Development ( <i>This paper may be taken only by candidates who have taken Principles and Methods of Social Anthropology at Part I or have completed course work in this subject to the satisfaction of the School</i> )	640, 650, 652

*First Degree Courses*

**VII. Economic History, Mediaeval**

	<i>Reference Nos. of Courses</i>
1. Economics	25, 25a
2. Political Thought	510-12
3 and 4. Economic History of England and Western Europe in the Middle Ages	271
5 and 6. Economic and Political History of England 1377-1485	271
Candidates may substitute for one paper an essay of not more than 10,000 words written during the course of study, on an approved topic.	
7 and 8. <i>Two of the following:</i>	
(a) English Constitutional History to 1485	—
(b) English Constitutional History since 1660	524
(c) English Economic History, 1485-1760	263-4, 275
(d) English Economic History from 1760	264, 276
(e) <i>either</i> (i) International History, 1815-1914 or (ii) International History since 1914	292, 308 293, 309
(f) International Economic History, 1850-1945	268, 268a
(g) Economic History of the United States of America from 1783	267, 267a
(h) Political Thought (Set Texts)	513
(i) An Approved Modern Foreign Language ( <i>Students at the School who are taking this option should normally have taken the language of their choice at A level or at Part I</i> )	376, 378-9, 386-7, 390(ii)-(iii), 392, 396-7, 401(ii), 402(ii)
(j) Scientific Method	487, 487b
(k) Historical Geography	214(i), 214(i)a
(l) Social Philosophy	834-5, 837

**VIII. Government**

1. Economics	25, 25a
2. History:	
<i>either</i> (i) Economic History or (ii) Political History	261, 261a 290, 290a
3. <i>One of the following:</i>	
(a) English Constitutional History since 1660	524
(b) Constitutional and Administrative Law	448, 448a
(c) International Institutions	587, 587(i)a and b, 589-90, 597
(d) History of Economic Thought	30, 30a
(e) Scientific Method	487, 487b

*First Degree Courses*

	<i>Reference Nos. of Courses</i>
(f) An Approved Modern Foreign Language ( <i>Students at the School who are taking this option should normally have taken the language of their choice at A level or at Part I</i> )	376, 378-9, 386-7, 390(ii)-(iii), 392, 396-7, 401(ii), 402(ii)
(g) Local Government of England and Wales	532-3
4. Political Thought	510-12
5. Political Thought (Set Texts)	513
6. The Politics and Government of the United Kingdom	525-31, 552
7. Comparative Political Institutions	535-b, 566
8. <i>One of the following:</i>	
(a) Political Philosophy	489, 514-b
(b) Contemporary Political Thought	515-b, 520
(c) The Politics and Government of a Foreign or Commonwealth Country	450, 522, 536-40a
<b>IX. Sociology</b>	
1. Economics	25, 25a
2. Political Thought	510-12
3. History:	
<i>either</i> (i) Economic History or (ii) Political History	261, 261a 290, 290a
4. Theories and Methods of Sociology	836, 840, 840a
5. Social Philosophy	834-5, 837
6. Social Structure of Modern Britain	266, 844-5
7. Essay on a Sociological Subject	—
8. <i>One of the following:</i>	
(a) Demography I	682-4a
(b) Social Psychology	695(i), (iii), 695c, 698(i), (iii), 698b
(c) Criminology	853-5
(d) Comparative Morals and Religion	849, 849a
(e) Political Sociology	850-b
(f) Industrial Sociology	345, 851-2
(g) Sociology of Education	856-b

## First Degree Courses

### X. Statistics

In addition to written papers, the examination will include inspection by the examiners of notebook records of practical work done during the course of study and, in the case of paper 6, of the dissertation completed during the course of study. Logarithm and statistical tables will be provided by the University, and slide rules may be brought to the examination in papers 4-8. Actuarial tables will be provided for candidates taking Actuarial Statistics.

	<i>Reference Nos. of Courses</i>
1 and 2. <i>Two of the following:</i>	
(a) <i>Either</i> (i) Economic Principles	28(i)-(iii)
or (ii) Mathematical Economics I ( <i>This paper may be taken only by candidates who have taken Introduction to Mathematical Economics at Part I</i> )	36, 36a
(b) <i>Either</i> (i) Economics treated Mathematically ( <i>This paper may not be taken by candidates taking 1 and 2 (a) (ii) Mathematical Economics I</i> )	32, 32a, 958, 958a
or (ii) Mathematical Economics II ( <i>This paper may be taken only by candidates taking 1 and 2 (a) (ii) Mathematical Economics I</i> )	37, 37a
(c) Political Thought	510-12
(d) Scientific Method	487, 487b
(e) Social Structure of Modern Britain	844-5
3. <i>Either</i> (a) Mathematics B	915-b
or (b) Introduction to Analysis and Set Theory ( <i>unless taken at Part I</i> )	905, 905a
or (c) Real Variable ( <i>This paper may be taken only by candidates who have taken Introduction to Analysis and Set Theory at Part I</i> )	907, 907a, 912
4. Probability, Distribution and Sampling Theory	924-5a, 929-30
5. Theory of Statistical Methods	926-8
6. Applied Statistical Methods [ <i>No written examination. Candidates will be assessed on practical work and a dissertation presented during the course of study.</i> ]	934, 935, 942, 945, 945a
7 and 8. <i>Two of the following:</i>	
(a) Actuarial Statistics	940-1a
(b) Demography II	680-1, 684-6
(c) Social Statistics and Survey Methodology	928, 938-9, 976
(d) Econometric Theory	34, 34a, 922, 922a

## First Degree Courses

	<i>Reference Nos. of Courses</i>
(e) Applied Econometrics	35, 35a
(f) Numerical Methods and Programming	942, 945, 945a, 953-4a
(g) Management Mathematics	956-8a
(h) Mathematical Logic	492, 492a, 493, 493a

### XI. Computing

In addition to written papers, the examination will include inspection by the examiners of notebook records of practical work done during the course of study and, in the case of paper 8, of the projects completed during the course of study. Logarithm and statistical tables will be provided by the University and slide rules may be brought to the examination in papers 3-8.

1. <i>Either</i> (a) Economic Principles	28(i)-(iii)
or (b) Mathematical Economics I ( <i>This paper may be taken only by candidates who have taken Introduction to Mathematical Economics at Part I and who are taking Mathematics B at Part II</i> )	36, 36a
2. <i>Either</i> (a) Mathematical Economics II ( <i>This paper may be taken only by candidates taking Mathematical Economics I</i> )	37, 37a
or (b) Mathematical Logic	492, 492a, 493, 493a
or (c) Political Thought	510-12
or (d) Economics treated Mathematically ( <i>This paper may not be taken by candidates taking 1(b) Mathematical Economics I</i> )	32, 32a, 958, 958a
3. Management Data Processing	151, 151a, 159, 949-50a, 952, 952a, 993, 993a
4. Elements of Computer Science	942-5a, 947-8, 951, 951a
5, 6 and 7. <i>Three of the following:</i>	
(a) Management Mathematics	956-8a
(b) Numerical Methods and Programming	942, 945, 945a, 953-4a
(c) Probability, Distribution and Sampling Theory	924-5a, 929-30
(d) Social Statistics and Survey Methodology	928, 938-9, 976
(e) Elements of Statistical Theory and Methods ( <i>This paper may not be taken by candidates who have taken Elementary Statistical Theory at Part I</i> )	921-3
(f) Demography II	680-1, 684-6

*First Degree Courses*

	<i>Reference Nos. of Courses</i>
(g) Either (i) Problems of Applied Economics or (ii) Industry and Trade	28(iv)-(v)a 38, 38a, 72
(h) Either (i) Mathematics A or (ii) Mathematics B or (iii) Introduction to Analysis and Set Theory ( <i>not if taken at Part I</i> ) or (iv) Real Variable ( <i>This paper may be taken only by candidates who have taken Introduction to Analysis and Set Theory at Part I</i> )	914 915-b 905, 905a 907, 907a, 912
8. General Computing	956

**XII. International Relations**

1. Economics	25, 25a
2. Political Thought	510-12
3. International History since 1914	293, 309
4. International Politics	581, 581a, 584, 604
5. Foreign Policy Analysis	583
6. International Institutions	587-90, 597
7 and 8. Any two of the following save that <i>Inter- national Law may not be taken by candidates who have taken it at Part I; all other candidates must take at least one of the two options International Law, Sociology of International Law</i>	
(a) Theories of International Politics	598-9a, 600-2
(b) The Politics of International Economic Rela- tions	592, 592a
(c) Strategic Studies	593, 593a, 606
(d) Sociology of International Law	603, 603a
(e) International Law	449, 449a
(f) International History 1815-1914	292, 308
(g) International History (Special Period) chosen from the following:	
(i) International Socialism and the Problem of War, 1870-1914	297, 297a
or (ii) Great Britain and the Paris Peace Con- ference of 1919	302
or (iii) The Manchurian Crisis, 1931-1933	303
or (iv) The League of Nations in Decline, March 1933 to December 1937	304

*First Degree Courses*

	<i>Reference Nos. of Courses</i>
(h) An Approved Modern Foreign Language ( <i>Students at the School who are taking this option should normally have taken the language of their choice at A level or at Part I</i> )	376, 378-9, 386-7, 390(ii)-(iii), 392, 396-7, 401(ii), 402(ii)
(i) Any other subject approved by the candidate's teachers	—
(j) An Essay of not more than 10,000 words to be written during the course of study on an ap- proved topic	—

**XIII. Social Anthropology**

1. Economics	25, 25a
2. <i>Either</i>	
(a) Political Thought	510-12
or	
(b) Social Aspects of Political and Economic Development	652, 652a
3. History:	
<i>either</i> (i) Economic History	261, 261a
or (ii) Political History	290, 290a
4. General Principles of Cultural and Social Anthro- pology	643, 650
5. Economic and Political Systems	644
6. Moral and Ritual Systems	645
7. Ethnography of a Special Area	646, 651, 651a
8. Development of Social Anthropology	649

**XIV. International History**

1. Economics	25, 25a
2. Political Thought	510-12
3. <i>One of the following:</i>	
(a) Economic History	261, 261a
(b) International Politics	581, 581a, 584, 604
(c) International Law ( <i>This paper may not be taken by candidates who have taken Inter- national Law at Part I</i> )	449, 449a
(d) An Approved Modern Foreign Language ( <i>Students at the School who are taking this option should normally have taken the language of their choice at A level or at Part I</i> )	376, 378-9, 386-7, 390(ii)-(iii), 392, 396-7, 401(ii), 402(ii)
(e) Historical Geography	214(i), (i)a
(f) Economic Geography	204-5, 205b-7

First Degree Courses

	Reference Nos. of Courses
4. International History, 1494-1815	291, 305
5. International History, 1815-1914	292, 306
6. International History since 1914	293, 307
7. One of the following:	
(a) William III and Louis XIV, 1698-1702	299
(b) The Great Powers and Egypt, 1882-1888	300
(c) The Great Powers and the Balkans, 1908-1914	301
(d) Great Britain and the Paris Peace Conference of 1919	302
(e) The Manchurian Crisis, 1931-1933	303
(f) The League of Nations in Decline, March 1933-December 1937	304
8. One of the following:	
(a) International Institutions	587, 587(i)a and b, 589-90, 597
(b) International Economic History, 1850-1945 <i>(This paper may be taken only by candidates who do not offer Economic History under 3)</i>	268, 268a
(c) British-American-Russian Relations, 1815-1914	295
(d) The Mediterranean in International Politics, 1815-1914	294, 294a
(e) The Baltic in International Politics since 1815	296, 296a
(f) International Socialism and the Problem of War, 1870-1914	297, 297a
(g) The Great Powers and the Near and Middle East, 1898-1956	298, 298a

XV. Geography

In addition to the written papers, the examination will include inspection by the examiners of original notebooks and evidence of field work. The examiners simply require clear records of evidence that the candidate has received instruction in field work or has gained the necessary knowledge and experience by carrying out a programme of field work on his own initiative.

1. Economics	25, 25a
2. Economic Geography	204-5a, 206-7
3. Economic and Regional Geography of the British Isles	189, 217
4. The Geography of an Approved Region: one of the following:	
(a) Africa	190-2

First Degree Courses

	Reference Nos. of Courses
(b) Australia and New Zealand <sup>1</sup>	—
(c) Europe (excluding the U.S.S.R.)	193
(d) Latin America	—
(e) Middle East	—
(f) Monsoon Asia	195
(g) North America	196-7
(h) U.S.S.R.	194
5 and 6. Two of the following:	
(a) Political Thought	510-12
(b) Economic Statistics	931-3
(c) An Approved Modern Foreign Language <i>(Students at the School should normally have taken the language of their choice at A level or at Part I)</i>	376, 378-9, 386-7, 390(ii)-(iii), 392, 396-7, 401(ii), 402(ii)
(d) History:	
either (i) Economic History	261, 261a
or (ii) Political History	290, 290a
(e) Social Structure of Modern Britain	844-5
(f) either (i) Introduction to Analysis and Set Theory <i>(unless taken at Part I)</i>	905, 905a
or (ii) Subject to the approval of the candidate's teachers, another Mathematics subject approved for Part II of the B.Sc. (Econ). degree	—
(g) International Politics	581, 581a, 584, 604
(h) Economic and Political Systems (Social Anthropology) <i>(This paper may be taken only by candidates who have taken Principles and Methods of Social Anthropology at Part I or have completed course work in this subject to the satisfaction of the School)</i>	640, 644, 650
7 and 8. Two of the following:	
(a) Regional Analysis	209, 209a
(b) Historical Geography	214, 214(i)a
(c) Social Geography	210
(d) Urban Geography	211
(e) Political Geography	219
(f) Man and his Physical Environment	185
(g) Geomorphology	198
(h) Economics and Geography of Transport	52, 52a, 223
(i) An independent geographical essay, not exceeding 5,000 words, on an approved topic	—

<sup>1</sup>There will be no teaching at the School for this paper in the session 1971-72.

*First Degree Courses*

**XVI. Philosophy**

	<i>Reference Nos. of Courses</i>
1. Economics	25, 25a
2. <i>Either</i> (a) Political Thought	510-12
or (b) Introduction to Modern Mathematics (This paper may not be taken by candidates who have taken <i>Basic Mathematics at     Part I</i> )	900, 900b, 901
or (c) Introduction to Analysis and Set Theory (unless taken at <i>Part I</i> )	905, 905a
or (d) Introduction to Topology and Axiomatic Set Theory (This paper may be taken only by candidates who have taken <i>Introduction     to Analysis and Set Theory at Part I</i> )	908-908b
3. <i>One of the following:</i>	
(a) History:	
either (i) Economic History	261, 261a
or (ii) Political History	290, 290a
(b) Philosophy and History of Science	487, 487a, 491, 491a, 493, 493a
(c) Elements of Statistical Theory and Methods (This paper may not be taken by candidates who have taken <i>Elementary Statistical Theory at     Part I</i> )	921-3
4. <i>Either</i>	
(a) Moral and Political Philosophy	489, 500, 514, 835
or	
(b) Mathematical Logic	492, 492b
5. Logic and Methodology	485, 487, 487a, 492, 492b
6. History of Modern Philosophy	488, 502
7. Epistemology and Metaphysics	490, 501
8. <i>One of the following:</i>	
(a) Philosophy of Social Sciences	486, 499, 836, 840
(b) Philosophy and History of Science ( <i>if not     taken under 3</i> )	487, 487a, 491, 491a
(c) Essay on a philosophical subject	—
(d) Dissertation, normally of 5,000 words, maxi- mum 7,500, on a subject selected by the can- didate in his final year, with the approval of the School, to be submitted through the School by 1 May preceding the final exam- ination	—

The examiners shall be at liberty to test any candidate by means of oral questions. There will be no reference in either Part of the Examination.

*First Degree Courses*

A candidate who has satisfied the examiners at Part I of the examination and who desires to proceed to Part II of the examination with a special subject for which his Part I alternative subjects do not qualify him, may apply for permission to proceed to Part II of the examination without being required to satisfy the examiners in one or more additional Part I alternative subjects. Each application will be considered on its merits. If the application is refused and such a candidate is required to take one or more additional Part I alternative subjects, he must do so before entering for Part II.

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.

**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 210).

**INTERMEDIATE EXAMINATION**

The examination consists of written papers in subjects (a) to (d):

	<i>Reference Nos. of Courses</i>
a) Public Law I	417, 417a
b) Law of Contract	418, 418a
c) Law of Property I	419, 419a
d) English Legal System	416, 416a

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.

### First Degree Courses

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 any part of the examination, may be permitted to re-enter for the whole examination in September of the same year.

#### PART I EXAMINATION

The examination consists of four written papers in subjects (a) to (d):

	<i>Reference Nos. of Courses</i>
a) Public Law II	424, 424a
b) For examination in 1972 only: Law of Contract and Tort II	422(i), 422(i)a
For examination in and after 1973: Law of Tort	—
c) Law of Property II	423, 423a
d) Criminal Law	420-1

Questions within the scope of Law and Social Policy (Course No. 425) may be set in any of the foregoing papers.

The examiners may, if they think fit, set an additional essay paper covering matters within the scope of any of the Part I and Intermediate subjects.

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 postpone his entry to the examination until September.

A candidate who passes three of the four Part I papers 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, with permission of the School, a candidate who fails to reach the minimum standard in two or more subjects in June, whether or not he has presented himself for all or any part of the above examination, may be permitted to re-enter for the whole examination in September of the same year.

#### PART II EXAMINATION

A candidate is required to satisfy the examiners in

	<i>Reference Nos. of Courses</i>
Jurisprudence	426, 426a

### First Degree Courses

He is also required to satisfy the examiners in other subjects to the value of three units selected from the following lists:

	<i>Reference Nos. of Courses</i>
(i)	
a) Law of Evidence	427, 427a
b) History of English Law	429, 429a
c) Public International Law	430, 430a
d) Conflict of Laws	431, 431a
e) Mercantile Law	433, 433a
f) Labour Law	434, 434a
g) Domestic Relations	435, 435a
h) Administration of Estates and Trusts	432, 432a
i) Law of Business Associations	436, 436a
j) Administrative Law, with special reference to Local Government	428, 428a
k) International Protection of Human Rights	437, 437a
l) Basic Principles of the Soviet and Yugoslav Legal Systems	438, 438a
m) Hindu Law	—
n) Mohammedan Law	—
o) African Law	—
(ii)	
a) Sentencing <sup>1</sup>	—
b) Law of Housing	440
c) Law Relating to Civil Liberties	439
d) Law and the 'Underprivileged'	441

Each subject in list (i) shall have the value of one unit, while each subject in list (ii) shall have the value of one half-unit. A candidate may not select more than two subjects from list (ii). Courses will not necessarily be available every year for all the subjects in lists (i) and (ii).

The Part II examination is conducted by written papers with the exception that a candidate who offers Administrative Law with special reference to Local Government, or Law and the 'Underprivileged', will be required, in either of those subjects, to write an essay instead. Where a candidate who has offered one of the two essay subjects fails the Part II examination he will not be permitted to submit the same essay at any repeat 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 a candidate offering either the subject Administrative Law with special reference to Local Government or the subject Law and the 'Underprivileged', and questions may extend to cover the wider background aspects of the essay.

A candidate is eligible to present himself for the Part II examination after having

<sup>1</sup>There is no teaching for this subject in the session 1971-72.

### First Degree Courses

satisfactorily attended the prescribed course of study extending over not less than one academic year subsequent to passing the Part I examination.

The Part II examination is normally held once each year in May or June.

### Degrees of Bachelor of Arts and Bachelor of Science

The School registers students for the following degrees:

B.Sc. Degree (by course units) in:

Geography  
Mathematics  
Social Anthropology  
Social Psychology  
Sociology

B.A. and B.Sc. in Sociology

Branch I (only for students registered before 1971)

Branch III

B.A. History

B.A. Language Studies

Arrangements are made for students to attend intercollegiate courses where necessary.

All students should read the University Regulations for Internal Students in the relevant Faculty. They may be obtained from the University or the Registry at the School.

Applicants for admission to all these degree courses must satisfy the entrance requirements of the University of London. In addition, candidates must satisfy the appropriate 'course requirements'. Details of these requirements may be found on pages 134-5 and 137-8. Applications for admission from graduates will be considered on their merits.

The approved course of study for these degrees extends over three academic years except for the B.A. degree in Language Studies, which extends over four years, one of which is spent abroad.

### B.Sc. Degree (by course units)

Under regulations introduced by the University the School is enabled to devise its own courses and to assign to each of them a value expressed in terms of course units, the course unit being one-third of the amount of study which any 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 B.Sc. 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 eight course units.

### First Degree Courses

### B.Sc. Degree: Main Field Social Anthropology

This degree is offered only at the London School of Economics.

Teaching is arranged in courses of study each of which lasts a year. Candidates take three courses in each year. In the second and third years a number of alternatives may be chosen. Each course will usually be examined at the end of the year in which it is taken. The class of degree awarded will depend on the level of performance attained over the three years, and will not rest, as in the past, almost entirely on a Final examination.

The courses are as follows:

	Course Units	Reference Nos. of Courses
<b>Part I</b>		
1. Social Anthropology:		
A general introduction to the whole field of social anthropology, along the lines of the B.Sc. (Econ.) Part I course in Social Anthropology, but with greater attention paid to theory and methods	1	640, 640a
2. Race and Culture:		
Outlines of human evolution and culture history as they bear on the study of society	1	641, 641a
3. Elementary Ethnography:		
Study of ethnographic texts on selected primitive and peasant societies	1	642, 642a
<b>Part II</b>		
1. Studies of Kinship:		
Family, kinship and marriage in primitive and other non-industrial societies, with some attention to industrial societies	1	643, 643a
2. Political and Economic Institutions:		
The political, economic and legal organization of primitive and other non-industrial societies; problems and analysis	1	644(i)-644(ii)a
3. One of the following alternatives:		
(a) Statistical and Survey Methods of Social Investigation	1	918, 918a, 936, 936a
(b) Elements of Economics: an elementary course in economic analysis		21, 21a, 22(i), (ii)
(c) Theories and Methods of Sociology: a course in the sociological approach to society		833, 833(a)



**First Degree Courses**

Course Units	Reference Nos. of Courses
(d) Psychological aspects of the Study of Society: psychological anthropology. Psychological approaches to the study of culture, personality and language	698(i), (iii), 698c
(e) Logic and Scientific Method	486-7, 487b

**Part III**

**1. Magic and Religion:**

The study of religious beliefs and ritual systems of primitive and other non-industrial societies 1 645, 645a

**2. Advanced Theory of Social Anthropology:**

The advanced study of social anthropological theory and method; the development of social anthropology 1 649(i)-649(ii)a

**3. One of the following alternatives:**

(a) Advanced Ethnography: the advanced study of selected primitive and other non-industrial societies 1 646, 646a, 651, 651a

(b) Anthropological Linguistics:

(i) Elementary Linguistics 360, 360b

(ii) Application of Linguistic Theory to Anthropological Problems 647(ii), (ii)a

(c) Primitive Art: the anthropological study of visual art 648, 648a

In addition, candidates will be required to write either one or two special essays during the course of their third year in order to test their knowledge of the whole field of social anthropology covered by the degree course. Performance in the essay or essays will be taken into account in the assessment of the final degree result.

Students will not be allowed to proceed to Part II or Part III without having taken Part I.

**B.Sc. Degree: Main Field Geography**

All registrations for the B.Sc. degree in Geography at the London School of Economics are made in the Faculty of Science and comply with the regulations of the University of London. The B.Sc. degree is college based; syllabuses vary from one college to another and the curriculum summarised below applies only to students registered at the London School of Economics. Courses are given in the Joint School of Geography at King's College and L.S.E. and students are taught in common by teachers from both colleges. However, separate teaching arrange-

**First Degree Courses**

ments for part of the B.Sc. degree reflect differences in syllabus between the colleges and all students must take care to identify the courses needed to complete their specific degree requirements.

Students taking the B.Sc. in Geography at the London School of Economics are advised to take a total of ten course units over three years. Four course units including one outside Geography will be taken in the first year. A course is usually examined at the end of the year in which it is taken, though some second-year courses may not be examined until the end of the third year of study. The class of degree awarded depends on the level of performance attained in each of the three years and the assessment of candidates does not rest entirely on formal examinations.

The B.Sc. degree allows much freedom of choice in the selection and combination of courses. The optional subjects available allow for considerable specialisation in either the systematic or regional branches of Geography. Outside Geography, up to three course units may be chosen from other subjects, drawing from a wide range that includes Anthropology, British History, Demography, Economics, Economic History, International History, Geology, Law, Mathematics, Modern Languages, Sociology and Statistics. Students will select courses for individual programmes of study after consultation with members of staff.

Field work is required of all students. The compulsory field courses normally last for a week and are taken annually in each of the Easter vacations. Certain course units in Geography involve additional field work.

The pattern of courses is as follows:

Course Units	Course Unit Numbers	Reference Nos. of Courses
<b>First Year</b>		
Physical Geography	1 0111	184
Human Geography	1 0113	186
Spatial Analysis—I	1 0191	187
One course unit outside Geography (see List C)	1 —	
Field Studies (continued in 2nd and 3rd years)	½ 0600	
<b>Second and Third Years</b>		
<b>Compulsory courses</b>		
British Isles	1 0205	189
Any systematic course or courses from List A below	1 —	
Any regional course or courses from List B below	1 —	
Field Studies (continued)		
<b>Optional courses</b>		

Candidates must choose additional courses to bring their total number of course units up to 10 though with permission this total may be exceeded.

The additional options may include:

- (i) Any other courses from Lists A or B

First Degree Courses

- (ii) Normally not more than 2 course units from List C (courses outside Geography)  
 (iii) An independent Geographical Essay on an approved topic of not more than 5,000 words

	Course Units	Course Unit Numbers	Normally Taken in Year	Reference Nos. of Courses
	1	0610		
<b>List A</b>				
1. Advanced Geomorphology—I	½	0460	2 or 3	198, 201
2. Advanced Geomorphology—II	½	0461	2 or 3	199, 201
2a. Advanced Geomorphology III (Students taking Advanced Geomorphology III must also take Advanced Geomorphology I)	½	0462	2 or 3	200, 201
3. Meteorology and Climatology	1	0266	2	202
4. Climatic Change	½	0367	3	203
5. Urban Climates	½	—	3	—
<i>(Meteorology and Climatology is normally a prerequisite for these courses)</i>				
6. Economic Geography—I	½	0481	2 or 3	204–205(a), 208
7. Economic Geography—II	½	0482	2 or 3	204, 206, 206(a), 208
8. Economic Geography—III	½	0483	3	204, 207–208
9. Social Geography	½	0497	2 or 3	210
10. Urban Geography	½	0395	2 or 3	211
11. The Urban System <sup>1</sup>	½	0496	3	212
12. Geography of Rural Settlement	½	—	2 or 3	213
13. Historical Geography: British Isles	½	0485	2 or 3	214(i), 214(i)(a)
14. Historical Geography: Western and Central Europe	½	0486	2 or 3	214(ii)
15. Biogeography—I	½	0475	2	215
16. Biogeography—II (Biogeography I is normally a prerequisite for II)	1	0476	3	216
16a. Biogeography—III (Biogeography I is normally a prerequisite for III)	½	0477	3	—
17. Geography and Planning	½	0498	3	217
18. History of Geographical Science and Discovery—I	½	—	2 or 3	218
19. History of Geographical Science and Discovery: Polar Exploration <sup>2</sup>	½	0455	2 or 3	—
20. Political Geography—I	½	0491	2 or 3	219

<sup>1</sup>Spatial Analysis II is normally a prerequisite for this course.  
<sup>2</sup>This course will not be available in the session 1971–72.

First Degree Courses

	Course Units	Course Unit Numbers	Normally Taken in Year	Reference Nos. of Courses
21. Political Geography—II (Political Geography I is normally a prerequisite for II)	½	0492	3	220
22. Mathematical Geography and Surveying—I	1	—	2 and 3	—
23. Mathematical Geography and Surveying—II	1	—	2 and 3	—
24. Man and his Physical Environment	½	0465	2 or 3	185
25. Spatial Analysis—II	1	0200	2	188
26. Regional Analysis <sup>1</sup>	½	0480	3	209, 209(a)
27. Regional Development, with special reference to Canada	½	0484	2 or 3	221, 221(a)
28. Historical Geography of the United States <sup>2</sup>	½	0487	3	—
29. Philosophy, Methodology and Explanation in Geography <sup>1</sup>	½	0379	3	222, 222(a)
30. Advanced Cartography	½	0456	2 or 3	—
31. Survey of Surface and Subsurface Detail	½	0400	2 or 3	—
<b>List B</b>				
1. Africa—I	½	0441	2	190
2. Africa—II (Africa I is normally a prerequisite for II or III) or	½	0342	3	191
3. Africa—III <sup>1</sup>	½	0343	3	192
4. Europe: General	½	0411	2 or 3	193(i)
5. Western Europe <sup>3</sup>	½	0412	2 or 3	193(ii)
6. West Central Europe <sup>3</sup>	½	0413	2 or 3	193(iii)
7. West Mediterranean Europe <sup>3</sup>	½	0414	2 or 3	193(iv)
8. Northern Europe <sup>3</sup>	½	0415	2 or 3	193(v)
9. East Central Europe <sup>3</sup> N.B. Maximum on Europe 1½ course units	½	0416	2 or 3	193(vi)
10. U.S.S.R.	½	0431	2 or 3	194
11. Monsoon Asia	½	0430	2 or 3	195
12. Latin America	½	0423	2 or 3	—
12a. Traditional Latin America	½	—	2 or 3	—
12b. Latin America: the Development Process	1	—	2 or 3	—
13. North America—I	½	0421	2 or 3	196, 196(a)

<sup>1</sup>Spatial Analysis II is normally a prerequisite for this course.

<sup>2</sup>This course will not be available in the session 1971–72.

<sup>3</sup>Students taking this subject must also attend Course No. 193(i) Europe: General Regional Geography.

First Degree Courses

	Course Units	Course Unit Numbers	Normally Taken in Year	Reference Nos. of Courses
14. North America—II (North America I is normally a pre-requisite for II)	½	0322	3	197, 197(a)
15. Middle East	1	—	3	—
16. Australia and New Zealand <sup>1</sup>	1	0451	2 or 3	—

In special cases students may be able to take courses available at colleges outside the Joint School with the permission of the convener of the department.

List C: Courses outside Geography

Students must take one course unit outside Geography in their first year.

	Course Units	Course Unit Numbers	Normally Taken in Year	Reference Nos. of Courses
<b>Anthropology</b>				
1. Introduction to Social Anthropology	1	180/0037	1, 2 or 3	640, 640(a), 653
2. Race and Culture	1	180/0036	1, 2 or 3	641, 641(a), 653
3. Elementary Ethnography	1	180/0403	1, 2 or 3	642, 642(a), 653
<b>Economics</b>				
51. Elements of Economic Analysis	1	340/0001	1, 2 or 3	21–22(ii)
52. Economics (C51 is a prerequisite for C52)	1	340/0002	2 or 3	25, 25(a)
<b>History</b>				
101. Industrialisation and the International Economy since 1830	1	480/0100	1, 2 or 3	261, 261(a)
102. English Economic History in its European Background from 1700 to the Second World War	1	480/0101	2 or 3	264, 276
103. English History, 1530–1760	1	480/0006	1, 2 or 3	327–328
104. British History in the Nineteenth Century (C103 is a prerequisite for C104)	1	480/0002	2 or 3	329–330
105. International History, 1815–1914	1	480/0004	1, 2 or 3	292, 308
106. International History since 1914	1	480/0003	2 or 3	293, 309
<b>Mathematics</b>				
151. Basic Mathematics	1	550/0001	1, 2 or 3	900, 900(a)
152. Algebra and Methods of Analysis	1	550/0002	1, 2 or 3	902, 902(a), 904
153. Introduction to Analysis and Set Theory	1	550/0003	1, 2 or 3	905, 905(a)

<sup>1</sup>This course will not be available in the session 1971–72.

First Degree Courses

	Course Units	Course Unit Numbers	Normally Taken in Year	Reference Nos. of Courses
<b>Statistics</b>				
201. Elementary Statistical Theory	1	790/0001	1, 2 or 3	921, 921(a)
202. Methods of Social Investigation	1	790/0002	1, 2 or 3	918, 918(a), 936, 936(a)
<b>Geology (King's College)</b>				
Fundamentals of Geology	½	430/0101	1	
Stratigraphical Palaeontology	½	430/0104	1	
Stratigraphy and Sedimentation	1	430/0201	2	
World Stratigraphy	½	430/0202	3	
Economic Geology	½	430/0206	2 or 3	
Structural Geology	½	430/0304	2 or 3	
Advanced Economic Geology	½	430/0308	3	
Sedimentology	½	430/0307	2 or 3	
Oceanography	½	430/0108	1, 2 or 3	
<b>Demography</b>				
251. Elements of Demographic Analysis <sup>1</sup>	1	780/0001	1, 2 or 3	682–684
<b>Sociology</b>				
301. Introduction to Sociology	1	000/0000	1, 2 or 3	830, 830(a)
<b>Social Administration</b>				
303. Social Administration (Elements of Economic Analysis is a prerequisite for Social Administration)	1	780/0004	2 or 3	740–742, 744, 747
<b>Language Studies</b>				
351. French Language I	1	750/0001		By arrangement
352. French Literature in the Nineteenth and Twentieth Centuries (French Language I is a prerequisite for French Literature)	1	750/0002		By arrangement
<b>International Relations</b>				
401. The International Political System	1	340/0004	1, 2 or 3	581, 581(a)
<b>Psychology</b>				
451. Psychological Aspects of the Study of Society	1	180/0407	2 or 3	698(i), (iii), 698(c)
452. Introduction to Psychology	1	720/0002	1 or 2	695(i), (iii), 695(b)
<b>Law</b>				
501. English Legal Institutions	1	520/0001	1, 2 or 3	442, 442(a)
502. International Law	1	520/0002	1, 2 or 3	449, 449(a)

<sup>1</sup>This subject to be completed in one academic year.

### First Degree Courses

The School on the recommendation of the department of Geography may approve other courses.

### B.A. Honours in History (Branch II: Mediaeval and Modern)

The examination will consist of nine papers up to three papers of which may be taken in the penultimate session of a candidate's course of study with the permission of the School. Where papers are taken in advance, Honours classes will be awarded on the total range of marks obtained in the whole examination.

#### Reference Nos. of Courses

- |   |                           |
|---|---------------------------|
| 1. English History down to the end of the 14th century  | 325-326                   |
| 2. English History from the beginning of the 15th century to the middle of the 18th century   | 327-328                   |
| 3. British History from the middle of the 18th century  | 329-330                   |
| 4 and 5. Two of the following papers:   |                           |
| (a) European History from 400 to 1200   | 332                       |
| (b) European History from 1200 to 1500  | 331-332                   |
| (c) European History from 1500 to 1800  | 291, 334                  |
| (d) European History from 1800 (This paper will include questions on the relations of Europe with the rest of the world)  | 292-293, 333              |
| 6. History of Political Ideas—Section (a) European (Section (a) will be divided into two subsections: (i) the recommended texts (ii) the relation of European political ideas to their historical context. Candidates must attempt at least one question from each subsection.) | 335-336                   |
| 7. An Optional Subject  | 263-264, 296-297, 337-339 |
| 8 and 9. A Special Subject  | 340, 341                  |

In addition to the above papers the School is required to certify that candidates have been examined by a paper containing passages for translation into English from a language or languages, required by the School and appropriate to Branch II, and that they may be allowed to proceed to the final examination. No candidate will be admitted to the final examination without this certificate. Candidates will be permitted to bring dictionaries for use in the college-based language examination. This examination will take place during the course of study.

Special subjects will be examined by one three-hour paper normally including passages for comment from 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 on a topic or topics selected by the candidate and approved by his supervisor which refer to texts and are fully documented and which are to be submitted through

### First Degree Courses

the School by 31 March in the year a candidate takes his Final examination. Such essays should normally be typewritten. The method of examination to be adopted for any particular special subject in any year will be subject to approval by the University.

**Note** The optional and special subjects are set out in the University of London *Regulations for First Degrees in the Faculty of Arts for Internal Students*. The School normally provides lectures and classes for the optional subjects of English Economic History; Modern English Constitutional History from c. 1530-1914; and Diplomatic History, 1814-1945, and seminars or classes for the special subjects of The Economy of England, 1350-1500; and The Near Eastern Question, 1875-1881.

### Language Studies

The School offers teaching for a number of two-subject combinations in the field of language studies within the framework of the combined studies degrees in the Faculty of Arts of London University.

The total number of places at the School for degrees in Language Studies is small, and all other things being equal preference is given to applicants for entry to combined courses in linguistics and one modern language. Entry to any particular two-language combination amongst those mentioned may not be possible in any given year.

Emphasis in the department is on the linguistic and social rather than on the aesthetic and literary aspects of languages, and where the University syllabus permits a choice, students of the School will be expected to select accordingly. Students taking two languages will be required to attend courses in General Linguistics and Phonetics.

The normal duration of all B.A. degrees in Language Studies at the School is four years, the third year being spent abroad. Candidates for degrees in certain subject combinations may be permitted to take a limited number of examination papers at the end of their penultimate year.

Supervisors will advise students on the choice of options and will recommend appropriate courses from the Language Studies section in Part III of this Calendar (Courses Nos. 360-406).

### B.A. (Combined Subjects) in Linguistics and one Modern Language

The subjects for examination shown in the following tables are numbered differently in this Calendar from the list of subjects given in the University regulations.

### French and Linguistics

The examination consists of ten papers as follows:

- |   |   |
|---|---|
| 1. Principles of Linguistics, Descriptive, Comparative and Historical | Reference Nos. of Courses<br>360, 360a, 367 |
|---|---|

*First Degree Courses*

	<i>Reference Nos. of Courses</i>
2. General Linguistic Theory I: Grammar, Semantics	360, 360a, 362-363, 366-367
3. General Linguistic Theory II: Phonetics, Phonology	361-361b, 363, 367
4 and 5. <i>Two</i> of the following:	
(a) Historical Linguistics	—
(b) Linguistics and Language Teaching	365
(c) Sociolinguistics: Language and the Community	—
(d) Psycholinguistics: Language and the Individual	364
(e) Phonetics	—
(f) Linguistic Typology and Language Classification	—
6. Translation from and into French	374-375
7. Essay in French	374-375
8. History of the French Language to the Present Day	370
9. Nineteenth and Twentieth Century French Literature	371-373a
10. A special subject in French	380

There is also a practical test in Phonetics and a French oral examination.

**German and Linguistics**

The examination consists of nine papers as follows:

	<i>Reference Nos. of Courses</i>
1. Principles of Linguistics, Descriptive, Comparative and Historical	360, 360a, 367
2. General Linguistic Theory I: Grammar, Semantics	360, 360a, 362-363, 366-367
3. General Linguistic Theory II: Phonetics, Phonology	361-361b, 363, 367
4. Translation from and into German	389-390
5. The German Language	388
and <i>four</i> of the following, including at least <i>one</i> chosen from papers 6-11, and at least <i>two</i> from papers 12-16	
6. Historical Linguistics	—
7. Linguistics and Language Teaching	365
8. Sociolinguistics: Language and the Community	—
9. Psycholinguistics: Language and the Individual	364
10. Phonetics	—
11. Linguistic Typology and Language Classification	—

*First Degree Courses*

	<i>Reference Nos. of Courses</i>
12. Essay in German	391
13. The Middle High German Classical Period	—
14. German Literature from 1830 to 1890	393-394
15. The Age of Goethe	—
16. German Literature, 1890 to the Present Day	393-394

There is also a practical test in Phonetics and a German oral examination.

**Russian and Linguistics**

The examination consists of ten papers as follows:

	<i>Reference Nos. of Courses (for first and second year students only)</i>
1. Principles of Linguistics, Descriptive, Comparative and Historical	360, 360a, 367
2. General Linguistic Theory I: Grammar, Semantics	360, 360a, 362-363, 363-367
3. General Linguistic Theory II: Phonetics, Phonology	361-361b, 363, 367
4 and 5. <i>Two</i> of the following:	
(a) Historical Linguistics	—
(b) Linguistics and Language Teaching	365
(c) Sociolinguistics: Language and the Community	—
(d) Psycholinguistics: Language and the Individual	364
(e) Phonetics	—
(f) Linguistic Typology and Language Classification	—
6. Translation from and into Russian	401
7. Essay in Russian, as set for paper 3 of the B.A. in Russian Language and Literature	402
8. <i>Either</i> (a) History of Russian Literature from 1800 to the Present Day, as set for paper 5 of the B.A. in Russian Language and Literature	399-400
<i>or</i> (b) <i>Two</i> of the following as set for paper 6 of the B.A. in Russian Language and Literature:	
(i) History of Russian Literature to 1700	—
(ii) Eighteenth Century Russian Literature	—
(iii) Aspects of Russian Thought, 1825-1905	—

First Degree Courses

	Reference Nos. of Courses
(iv) Old Church Slavonic in its Historical and Cultural Setting	—
(v) The Development of the Russian Vocabulary	—
(vi) Modern Russian Syntax	—
(In 8 (b) candidates must choose two questions from each of any two sections. At the time of the degree examination candidates will be allowed to decide from which two sections their questions are to be chosen. Candidates need not declare their choice of subjects beforehand.)	

9 and 10. Two of the following:

(a) History of the Russian Language to the present day (with prescribed texts) as set for paper 4 of the B.A. in Russian Language and Literature	398
(b) Russian Literature since 1917	—
(c) One of the following Russian authors:	
(i) Pushkin (with prescribed texts) as set for paper 7b of the B.A. in Russian Language and Literature	—
(ii) Gogol (with prescribed texts) as set for paper 8b of the B.A. in Russian Language and Literature	—
(iii) Dostoyevsky (with prescribed texts) as set for paper 7c of the B.A. in Russian Language and Literature	—
(iv) Tolstoy (with prescribed texts) as set for paper 8c of the B.A. in Russian Language and Literature	—
(v) Mayakovsky (with prescribed texts) as set for paper 7d of the B.A. in Russian Language and Literature	—
(vi) Pasternak (with prescribed texts) as set for paper 8d of the B.A. in Russian Language and Literature	—
(d) The Russian Symbolists (with prescribed texts)	—
(e) Link paper which may be set by individual colleges	—

Syllabuses for the papers from the B.A. in Russian Language and Literature are given in the University of London *Regulations for first Degrees in the Faculty of Arts for Internal Students*.

The School must approve the candidate's choice of papers.

There is also a practical test in Phonetics and a Russian oral examination.

First Degree Courses

**B.A. Honours (Combined Subjects) in Two Modern Languages**

The School provides teaching at present in French/Spanish, French/Russian, German/French, German/Russian and German/Spanish. Syllabuses for these courses are given in the University of London *Regulations for First Degrees in the Faculty of Arts for Internal Students*.

**B.Sc. Mathematics**

The regulations for Part II of this degree in Mathematics apply only to candidates registered before October 1971.

**Part II**

The examination consists of eight papers as follows:

	Reference Nos. of Courses
1 and 2. Real Variable, Analysis and Mathematical Methods	907-908, 912
3. Algebra and Complex Analysis	909-910
4. Theory of Probability	911
5, 6, 7 and 8. Four papers chosen from options (a) to (m).	
Students interested in Statistics should include options (a), (b) and (c).	
Students interested in Computing should include options (c), (d) and (e).	
Students interested in Economics should choose options (a), (f), (g) and (h).	
Students interested in Sociology should choose four from (a), (c), (i), (j) and (k).	
(a) Probability, Distribution and Sampling Theory	924-925(a), 929-930
(b) Theory of Statistical Methods	926-928
(c) Numerical Methods and Programming	942, 945, 945(a), 953-954(a)
(d) Elements of Computer Science	942-945(a), 947-948, 951, 951(a)
(e) Management Data Processing	151, 151(a), 159, 949-950(a), 952, 952(a), 993, 993(a)
(f) Mathematical Economics I	36, 36(a)
(g) Mathematical Economics II	37, 37(a)
(h) Econometric Theory	34, 34(a), 922, 922(a)
(i) Social Statistics and Survey Methodology	928, 938-939, 976
(j) Demography II	680-681, 684-685
(k) Social Structure of Modern Britain	844-845
(l) Actuarial Statistics	940-941a
(m) Management Mathematics	956-958a

### First Degree Courses

Students of the School are subject to the following restrictions: option (e) cannot be taken without (d); (j) cannot be taken without (c), and in both cases attendance at a course in Fortran is necessary. Further, (f) may be taken only by those who have taken Introduction to Mathematical Economics at Part I and (g) may be taken only by those taking (f).

Subject to the approval of the School students may choose options not included in the above list when they are available.

The examiners shall be at liberty to test any candidate by means of oral questions.

There will be no reference in the examination.

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.

### B.Sc. Degree: Main Field Mathematics

Candidates for this degree are required to take courses to the value of at least nine course units, and not more than twelve course units during their three years of study.

To obtain a degree a candidate must satisfy the examiners in no fewer than eight units or in a combination of units and half units to that number. To qualify for honours in Mathematics a candidate must have completed the equivalent of at least five course units in Pure Mathematics and at least the equivalent of a further two course units in Applied Mathematics. The remaining courses will be selected by the candidate after approval by his tutor.

Courses to the value of four course units must be taken in the first year and the remaining minimum of five over the second and third years of study.

A candidate is required to take the following courses:

	Course Units	Reference Nos. of Courses
<b>First Year</b>		
<b>Pure Mathematics</b>		
1. Introduction to Analysis and Set Theory	1	905, 905(a)
2. Introduction to Abstract Algebra	$\frac{1}{2}$	906, 906(a)
3. <i>Either</i> (a) Calculus <i>or</i> (b) Linear Algebra	$\frac{1}{2}$	903, 903(a) 902, 902(a)
<b>Applied Mathematics</b>		
4. <i>Either</i> (a) Elementary Statistical Theory <i>or</i> (b) Introduction to Logic <i>or</i> (c) Introduction to Mathematical Economics	1 1 1	921, 921(a) 492, 492(a) 23, 23(a)
<b>Other Courses</b>		
5. One course from the following:		
(a) British Government: An Introduction to Politics	1	523, 523(a)
(b) Economic History of Great Britain and the U.S.A. 1850-1939	1	260, 260(a)

### First Degree Courses

	Course Units	Reference Nos. of Courses
(c) Political History 1763-1939	1	288-9
(d) Introduction to Sociology	1	830, 830(a)
(e) Introduction to Human Geography	1	182, 182(a)
(f) Introduction to Mathematical Economics (if not taken under paper 4)	1	23, 23(a)

### Second and Third Years

#### Pure Mathematics

##### Second Year

6. Real Variable and Analytic Topology	1	—
7. Algebra I	$\frac{1}{2}$	—
8. Complex Variable	$\frac{1}{2}$	—

##### Third Year

9. Linear Algebra II	$\frac{1}{2}$	—
10. At least one course from the following:		
(a) Real Variable II	$\frac{1}{2}$	—
(b) Functional Analysis	$\frac{1}{2}$	—
(c) Probability Theory	$\frac{1}{2}$	—
(d) Algebra II	$\frac{1}{2}$	—
(e) Boolean Algebra	$\frac{1}{2}$	—
(f) Mathematical Logic	1	—
(g) Other approved courses which may be made available from time to time		

#### Applied Mathematics

11. At least one course-unit from the following:		
(a) Distribution Theory	$\frac{1}{2}$	—
(b) Introduction to Statistical Inference	$\frac{1}{2}$	—
(c) Theory of Statistical Methods	1	—
(d) Applied Statistical Methods	1	—
(e) Elements of Computer Science	1	—
(f) Management Mathematics	1	—
(g) Numerical Methods and Programming	1	—
(h) Management Data Processing	1	—
(i) Actuarial Statistics	1	—
(j) Econometric Theory	1	—
(k) Applied Econometrics	1	—

#### Other Courses

12. At least one course from the following:		
(a) A course recommended by the Philosophy department	1	—

*First Degree Courses*

	Course Units	Reference Nos. of Courses
(b) Demography II	1	—
(c) Social Statistics and Survey Methodology	1	—
(d) Social Structure of Modern Britain	1	—
(e) Social Administration	1	—
(f) Geography: Spatial Analysis	1	—
(g) Urban Geography and the Urban System	1	—

**B.Sc. Degree: Main Field Social Psychology**

The B.Sc. in Social Psychology is especially concerned with the study of individual and social behaviour and differs in its emphasis from many other degrees in psychology. While teaching general psychology in depth, the course for the degree gives more prominence than is customary to the study of social psychology and personality and seeks to integrate these fields with general psychology as well as with an understanding of society derived from sociology and anthropology.

The degree covers the study of learning, perception, thinking and language, emotion, personality and child development, the social psychology of attitudes, and groups and organizations.

To allow candidates for the degree maximum flexibility in their choice of subject it is organized on the basis of course units and candidates are normally required to complete eleven of these during the three years. There is considerable variation in the amount and form of teaching which makes up a course, but as a general rule a course that has a value of one unit will take from fifty to seventy hours of formal teaching and private study under the guidance of a teacher.

Most courses in psychology include work in the laboratory or the field. Candidates will be required to undertake field work in at least one vacation; it might take the form of working with a member of staff on his research or gaining experience in a relevant institution. In the final year each candidate is required to carry out a research project under the supervision of a member of staff.

About a quarter of a candidate's time will be spent on subjects outside psychology. Since the study of society and its institutions is an essential part of the training of a social psychologist, all students are required to take courses in sociology and/or anthropology. In the second year the candidate can take, after consultation with his tutor, either further courses in sociology or anthropology or study in other fields e.g. philosophy, economics, mathematics, or urban geography.

In addition to the courses set out below a candidate for the degree is required to attend a small number of courses on specific topics such as statistics, the history of psychology and the methodology of the social sciences; these courses are designed to enable a candidate to see social psychology in proper perspective. They will not be separately examined.

The normal structure of the course for the degree will be as follows: in the first year a candidate will take courses valued at four course units. In his second year

*First Degree Courses*

a candidate will again take courses valued at four course units. Two of these eight course units taken in the first two years will be in subjects outside psychology. In the third year the candidate takes a course in which an area of study is examined on an interdisciplinary basis. The candidate is also able to select within psychology from a variety of options offered. Some of these options may be taught at other colleges of the University of London and will be open to candidates at the discretion of the teachers concerned with the courses.

The level of Honours awarded to a candidate will be determined largely by the assessments and examinations of courses taken in the second and final years. Less weight will be given to performance in the first year.

The courses are as follows:

	Course Units	Reference Nos. of Courses
<b>First Year</b>		
1. Biological Foundations of Psychology	$\frac{1}{2}$	697, 697a
2. Introduction to General and Social Psychology	1	695, 695a
3. Foundations of Experimental Psychology	1	696, 696a, 920, 920a
4-5. Courses in other disciplines: see List C below	$1\frac{1}{2}$	
<b>Second Year</b>		
1. Personality, Motivation and Development	1	702, 702a
2. Perception and Skill	1	703, 703a
3. Social Psychology: Attitudes and Cognition	$\frac{1}{2}$	698, 698a
4. Methods and Assumptions of Social Psychological Research	$\frac{1}{2}$	699-700a, 704
5. Learning, Remembering and Thinking	$\frac{1}{2}$	701, 701a
6. Courses in other disciplines: see List C below	$\frac{1}{2}$	
<b>Third Year</b>		
1. Advanced Social Psychology	1	705, 711
2. Research Project <i>or</i> Dissertation	1	—
3-4. Courses to the value of 1 course unit. At least one course must be selected from List A.	1	
<b>List A</b>		
(a) Child Development II	$\frac{1}{2}$	706
(b) Information Processing	$\frac{1}{2}$	707
(c) Personality and Motivation II	$\frac{1}{2}$	708
(d) Psycholinguistics	$\frac{1}{2}$	709
<b>List B</b>		
(Not all courses under List B may be available every session.)		
(a) Communication and Attitude Change	$\frac{1}{2}$	714



### First Degree Courses

	Course Units	Reference Nos. of Courses
(b) Groups and Group Functioning	½	719
(c) Interpersonal Behaviour	½	—
(d) Person Perception	½	—
(e) Social Psychology of Conflict	½	720
(f) Applications of Social Psychology	½	710

### List C: Courses in other disciplines

	Course Units	Available in Year	Reference Nos. of Courses
1. <i>Either</i> (a) Introduction to Social Anthropology or (b) Social Anthropology (Elementary Introduction)	1 ½	1 1 or 2	640, 640a 640, 650
2. <i>Either</i> (a) Introduction to Sociology or (b) Sociology (Elementary Introduction)	1 ½	1 1 or 2	830, 830a 834
3. Introduction to Economics	½	1 or 2	21, 21a
4. Political Institutions of Simpler Societies (Course 1(a) is a prerequisite)	½	2	644(ii), (ii)a
5. Economic Institutions of Simpler Societies (Course 1(a) is a prerequisite)	½	2	644(i), (i)a
6. Sociological Theory (Either Course 2(a) or Course 2(b) is a prerequisite)	½	2	840, 840b
7. Introduction to Linguistics	½	1 or 2	360, 360c
8. Logic and Scientific Method	1	1 or 2	486-487b

Third-year courses under List C will be announced at the beginning of the session.

### Degree of Bachelor of Science (Sociology)

Two Branches of the degree are taught at the School, Branch I and Branch III. Each Branch constitutes a distinct course.

#### Branch I (only for candidates registered before October 1971)

The examination will consist of ten written papers as follows:

	Reference Nos. of Courses
1. Theories and Methods of Sociology	836, 840-841
2. Statistical Methods in Social Investigation	858, 920b, 936
3. Comparative Social Institutions	843, 843a
4. Ethics and Social Philosophy	834(iii), 835, 837b
5. Social Psychology	698(i), (iii), 698b, 761
6. Economics	25, 25a

### First Degree Courses

	Reference Nos. of Courses
7 and 8. <i>Either</i>	
(a) Social Structure of Modern Britain (2 papers)	266, 844-845
or (b) Graeco-Roman Civilisation (2 papers)	846-846b
or (c) European Civilisation in the Middle Ages <sup>1</sup> (2 papers)	—
(Some other society or group of societies may be offered as an alternative for papers 7 and 8 with the permission of the University)	
9 and 10. Any two of the following:	
(a) Social Structure and Social Change	848, 848a
(b) Social Policy and Social Administration	740-745, 747
(c) Comparative Morals and Religion	849, 849a
(d) Criminology	853-855
(e) Demography	682-684a
(f) Political Sociology	850-850b
(g) Industrial Sociology	345, 851-852
(h) General Principles of Cultural and Social Anthropology	650
(i) Sociology of Education	856-856b

The examination will be divided into Part I and Part II. A candidate will be required to sit Part I at the end of the second year and Part II at the end of the third year, and to satisfy the examiners in both Parts. A candidate must satisfy the examiners in Part I before proceeding to Part II. A minimum period of one session must elapse before a candidate, successful in Part I, may present himself for Part II.

The Part I examination will consist of 2. Statistical Methods in Social Investigation, 4. Ethics and Social Philosophy, and 6. Economics.

The examiners shall be at liberty to test any candidate by means of oral questions.

#### Branch III

The examination will consist of seven written papers and a dissertation:

	Reference Nos. of Courses
1. British Social History in the 19th and 20th Centuries	752-753a
2. British Political, Administrative and Legal Institutions	417, 754-755a
3. Economics	20, 42, 757-758, 759b
4. British Social Policy and Administration	425, 740-745, 747
5. Social Investigation <sup>2</sup>	920-920b, 936, 936a
6. Social Theory <sup>2</sup>	765, 830, 833, 844
7. One of the following:	
(a) Central and Local Government Administration	527, 532, 550, 748

<sup>1</sup>There is no teaching for this subject at the School.

<sup>2</sup>These papers will not include questions on Psychology. Students should refer to Courses Nos. 695(i), (iii), 698(i), (iii), 762-3a.

*First Degree Courses*

	<i>Reference Nos. of Courses</i>
(b) Social Structure and Social Policy in Societies undergoing Industrialisation	7-8, 652, 749
(c) The Structure of Social Security	—
(d) The Family in Law and in Society	756, 756a
(e) Industrial Sociology	345, 851-852
(f) Criminology	853-855

8. A dissertation, normally limited to 5,000-7,000 words, to be presented not later than 1 February in the year in which the final examination will be taken. The subject of the dissertation must be approved by the University. The dissertation will be classed as one paper in the final examination. Candidates offering optional subject 7 (a) Central and Local Government Administration, will not be permitted to choose a dissertation subject which falls within the field of the selected development for special study prescribed by the regulations for the year in which they will present themselves for the final examination.

The examiners shall be at liberty to test any candidate by means of oral questions.

**B.A. Honours Degree in Sociology**

For Branches I and III this degree is identical, except in title, with the B.Sc. (Soc.) degree described on pages 204-6. There will be no further registrations for Branch I.

**B.Sc. Degree: Main Field Sociology**

Candidates for this degree are required to take courses to the value of at least ten course units, with a minimum value of three course units each year. These courses will normally be examined at the end of the session in which they are taken.

To obtain a degree a candidate must satisfy the examiners in no fewer than eight units, or in a combination of units and half units to that number.

To qualify for honours in Sociology, it will be necessary to complete six course units in Sociology, including the four compulsory courses shown for the first, second and third years.

Candidates will also be required to complete at least one course in a subject outside Sociology and this shall be taken in the first year. A candidate may take up to four course units in subjects outside Sociology or in a single such subject, if the department concerned approves.

A candidate may be required to take certain courses as prerequisites to others. Not all of the courses in Lists A and B will be available each year.

A candidate will not normally be permitted to take more than a total of four of the half unit courses during his three years of study.

A candidate may submit a dissertation on a topic approved by the convenor of the department of Sociology in substitution for a course or courses to the value of one unit in List A.

*First Degree Courses*

A candidate is required to take the following courses:

	<i>Course Units</i>	<i>Reference Nos. of Courses</i>
<b>First Year</b>		
1. Introduction to Sociology	1	} Students will be informed about appropriate courses
2. A course or courses to the value of one unit from List A	1	
3. One course from List B	1	
4. Methods of Social Research (this is a two-year course (value one unit) examinable at the end of the second year)	1	
<b>Second Year</b>		
1. Methods of Social Research	1	—
2. Comparative Social Structures	1	—
3. A course or courses to the value of at least one unit from List A and/or List B	1	—
<b>Third Year</b>		
1. Sociological Theory	1	—
2. Courses to the value of at least two course units from List A and/or List B	2	—

**List A: Optional Courses Within Sociology**

	<i>Course Units</i>	<i>Reference Nos. of Courses</i>
1. Social Philosophy:		} Students will be informed of the courses appropriate for the options selected
(a) Introduction to Social and Moral Philosophy	$\frac{1}{2}$	
(b) Structure of Ethical Theories	$\frac{1}{2}$	
(c) Concepts of Society	$\frac{1}{2}$	
2. History of Social Thought	1	
3. Comparative Social Stratification	1	
4. The Social Structure of Modern Britain	1	
5. The Social Structure of the Soviet Union	1	
6. The Social Structure of the Roman Empire	1	
7. The Social Structure of the United States	1	
8. Sociology of Development	1	
9. Social Change and Development in Contemporary Africa	1	
10. Race Relations	$\frac{1}{2}$	
11. Political Processes and Social Change	1	
12. Political Sociology	1	
13. The Sociology of Marxist Ideas and Movements	1	
14. Industrial Sociology	1	

*First Degree Courses*

	Course Units	Reference Nos. of Courses
15. Sociology of the Professions	½	Students will be informed of the courses appropriate for the options selected
16. Sociology of Education	1	
17. Sociology of Religion:		
(a) Sociology of Islam	½	
(b) Durkheimian Theories of Religion	½	
(c) Weberian Themes in the Sociology of Religion	½	
18. Sociology of Knowledge	½	
19. Sociology of Science	½	
20. Sociology of Medicine	1	
21. Demography	1	
22. Introduction to Criminology	1	
23. Selected Problems of Criminology and Penology	1	
24. Sociology of Deviant Behaviour	1	

**List B: Other Courses Which May Be Available**

	Course Units	Reference Nos. of Courses
1. Introduction to Social Anthropology	1	Students will be informed of the courses appropriate for the options selected
2. Magic and Religion	1	
3. Primitive Art	1	
4. Political and Economic Institutions	1	
5. Introduction to Economic Analysis and its application to Social Problems	1	
6. Human Geography	1	
7. British Government: An Introduction to Politics	1	
8. Economic History of Great Britain and the U.S.A. 1850-1939	1	
9. Introduction to Modern English Economic History	1	
10. The Social and Political Structure of England in the 19th Century	1	
11. Industrial Relations	1	
12. English Legal Institutions	1	
13. Introduction to Scientific Method	1	
14. Introduction to Logic	1	
15. History of Social Policy	1	
16. Introduction to Economics	1	

**Advantages and Concessions in Professional Training Granted Holders of First Degrees**

**ACCOUNTING**

**Institute of Chartered Accountants**

In order to qualify as a chartered accountant, a period in articles with a firm of chartered accountants is necessary. Holders of a first degree normally have this period reduced to three years. Full particulars may be obtained from the Secretary, Institute of Chartered Accountants in England and Wales, Chartered Accountants Hall, Moorgate Place, EC2R 6EQ.

Graduates who have taken an 'approved degree' are entitled also to exemption from the Institute's intermediate examination provided that they pass the final degree examination at the first attempt. At the University of London, the course leading to the 'approved degree' is the course for the B.Sc. (Econ.) with the special subject Accounting and Finance. Further information is given in the pamphlet *Degree Studies and the Accountancy Profession* (obtainable from the Institute and also from the Registrar of the School).

Experience has shown that students from overseas often have difficulty after graduation in getting articles with a firm of professional accountants in Britain. Such students would therefore be greatly helped if they could obtain an offer of articles from a suitable firm before beginning their studies.

**Association of Certified Accountants**

Students of the Association are not obliged to serve under articles of clerkship, but may as an alternative obtain experience of an approved accounting nature in the finance or accounting departments of a commercial or industrial company, one of the nationalised industries, in national or local government or in the office of a practising accountant (not under articles). They are also permitted to follow a course of full-time study for the Association's examinations if they so wish, provided that they do so at an educational institution approved by the Council.

The period of articles or approved training for graduates is three years. Those who have taken the 'approved degree' (B.Sc. (Econ.) with the special subject Accounting and Finance) are entitled to complete exemption from Sections I, II and III, and the paper in Industry and Finance in Section V of the Professional Examination provided that they have taken the appropriate option in their second and third years.

Further information may be obtained from the Secretary of the Association, 22 Bedford Square, London, WC1B 3HF.

**Institute of Cost and Works Accountants**

B.Sc. (Econ.) graduates with the special subject of Accounting and Finance are entitled to exemption from the whole of the Part I and Part II examinations of the Institute of Cost and Works Accountants.

### *Advantages and Concessions in Professional Training*

B.Sc. (Econ.) graduates, irrespective of their special subject, are entitled to exemption from the following three subjects of the Institute's Part I examination:

- Industrial Administration
- Economics
- Book-keeping

For information about further exemptions from the Institute's examinations please write to the Chief Education Officer, The Institute of Cost and Works Accountants, 63 Portland Place, London, W1N 4AB.

#### **Institute of Municipal Treasurers and Accountants**

The Institute's professional examinations fall into three parts: Intermediate, Final Part 1 and Final Part 2. Graduates may be granted subject for subject exemptions on the basis of papers taken at the degree examinations.

Further information may be obtained from the Secretary, Institute of Municipal Treasurers and Accountants, 1 Buckingham Place, London, SW1E 6HF.

### **LAW**

#### **The Bar**

The Council of Legal Education may grant to a student who has obtained a degree in law from a university in England or Wales exemption from entering for the whole of Part I of the examination for call to the Bar or from entering for part of that examination. The conditions under which such exemptions may be obtained 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. Full details may be obtained from the Council of Legal Education, Gray's Inn Place, London, WC1R 5DX.

#### **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 normal period of articles is five years, but for candidates who have taken a degree at an approved university the period is reduced to two-and-a-half years. Any first degree of the University of London entitles the holder to this reduction. In the case of law graduates the period for articles is reduced to two years.

In most cases law graduates are wholly exempt from Part I of the Law Society's qualifying examination and may sit for Part II of the qualifying examination 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.

#### **The Actuarial Profession**

Students who have obtained the B.Sc. Mathematics degree, or the B.Sc. (Econ.) degree with Algebra and Methods of Analysis in Part I and Statistics in Part II with Actuarial Statistics as an optional subject *may* be granted exemption from certain papers in the examinations of the Institute of Actuaries, depending on the standards

### *Advantages and Concessions in Professional Training*

reached in the degree examination. Further particulars may be obtained from The Institute of Actuaries, Staple Inn Hall, High Holborn, London, WC1V 7QJ.

Students intending to enter the actuarial profession are advised to communicate with the Institute at an early stage in the degree course.

## Regulations for Diplomas Awarded by the School

The School awards the following diplomas:

- (1) Diploma in Development Administration
- (2) Diploma in Social Administration:
  - (a) One-year Course for Graduates
  - (b) Two-year Course for Non-Graduates
- (3) Diploma in Personnel Management
- (4) Diploma in Social Work Studies
- (5) Diploma in Statistics

The School reserves the right at all times to withdraw or alter particular courses and course syllabuses.

### (1) Diploma in Development Administration

The London School of Economics and Political Science, with support from the Foreign and Commonwealth Office (Overseas Development Administration), offers a course in Development Administration which has special reference to the needs of the 'developing' countries.

It is designed for men and women who work in the civil service, public corporations or suitable types of business in relatively low-income countries. One of the purposes of the course is to assist a student to stand outside the immediate circumstances of his own country and to consider general questions about the methods and organization of development. He will be encouraged to examine the policies and methods of western countries, and to assess for himself their suitability for his own country's problems.

Though western ideas, institutions and experience are drawn on extensively in the teaching, they are viewed in terms of their possible application to the problems of less developed areas. If required, opportunity will be provided during the course for students to spend short periods in central or local government departments, or some other administrative agency in which they may be interested.

Members of the course will normally be university graduates who have had several years' experience of administrative work. Admission may also be offered, in special circumstances, to candidates otherwise well qualified who do not hold degrees, or to graduates who have had no practical experience, but are taking up administrative appointments. A small number of students from western countries may be admitted. The number of students to be admitted in any one year will, however, be limited.

The course covers one academic year and runs from late September until the beginning of July.

The course will cover the following subjects:

- (a) Governmental aspects of development
- (b) Social aspects of development
- (c) A third field of concentration

## Regulations for School Diplomas

The alternatives offered under (c) will depend upon individual qualifications and the availability of teaching facilities and tutorial assistance. Subjects offered in the past have included for example, The Role of the Higher Civil Service in the District Administration of India, Voluntary Organizations and Social Services of Jordan, Housing Problems in Afghanistan, The Growth and Characteristics of Public Corporations in Britain, Italy and Pakistan, Rural Community Development in Pakistan, International Economics and Price Theory, Juvenile Delinquency in Uganda, and Monetary Policy in Mexico. The availability of each specialisation will depend upon individual qualifications.

At the end of the course, a paper will be set in each of the three branches of study. Suitably qualified persons will be allowed to substitute for one of the papers a dissertation on some specialised topic within the field of development administration.

Those who satisfy the examiners will be awarded a Diploma by the School.

The syllabus will be treated in a series of special lectures and classes accompanied by an interdisciplinary seminar, but members of the course will also be encouraged to attend a variety of other lectures and seminars, selected to meet their particular needs. Examples of lecture courses which may be of particular interest are given on pages 285-6 in Part III of the Calendar.

Applications for admission to the course should be sent by 15 April to the Assistant Registrar (Admissions), London School of Economics and Political Science, Houghton Street, Aldwych, London, WC2A 2AE.

### Regulations

1. There shall be a Diploma in Development Administration which shall be awarded to persons who, having completed the course of study prescribed by these regulations, have satisfied the examiners in the examination for the Diploma.
2. No person shall be admitted to the prescribed course of study for the Diploma unless:
  - (a) he shall have attained the age of 21 years on or before 1 October of the calendar year in which he is admitted;
  - (b) either (i) he shall be a graduate of a university  
or (ii) he shall, in the opinion of the tutors to the course, have practical experience or other qualifications of special relevance to the course;
  - and (c) he shall have had not less than two years' experience of administrative work, unless the tutors to the course should waive this condition.
3. The prescribed course of study shall be of one academic year's duration.
4. There shall be an examination for the Diploma, to be held in the Summer term of each year on dates to be determined by the tutors to the course. Candidates will normally take papers in three subjects:
  - (i) Governmental Aspects of Development
  - (ii) Social Aspects of Development
  - (iii) Special subject to be chosen in accordance with the candidate's qualifications and interests. The choice of special subject shall be approved by the tutors, after consultation with the candidates.

### Regulations for School Diplomas

5. Candidates who have sufficient qualifications and have shown appropriate abilities may be allowed to substitute, for one of the papers, a dissertation upon some aspect of development administration. This substitution shall depend upon the tutors' agreement, and the form and length of the dissertation shall be settled by the tutors.
6. In assessing a candidate's performance the examiners shall have regard to the essays or other work written by the candidate in the first two terms of the course.
7. The examiners may test any candidate by means of oral questions.
8. A mark of distinction shall be awarded to candidates who show exceptional merit.
9. 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 external examiner. The external examiner shall be a person who, at the time of the examination, is not a member of the staff of the School. He shall be appointed by the Academic Board and shall be eligible for reappointment for two further years, but for three calendar years thereafter shall not again be eligible for appointment.
10. In order to satisfy the examiners in the examination a candidate shall be required to reach in each paper a standard prescribed by them.
11. Candidates who are unsuccessful in the examination as a whole shall receive a certificate of attendance, on which shall be recorded those parts of the examination, if any, in which they have passed.
12. A candidate who, for reasons which in the opinion of the Director are sufficient, fails to present himself for examination or who presents himself, but fails to satisfy the examiners, may be a candidate for the whole of the examination on one, but not, without the special permission of the examiners, more than one further occasion.
13. 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 Academic Secretary for an aegrotat award.

Having considered the work which the candidate has submitted 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, the examiners will determine whether evidence has been shown to their satisfaction that, had he 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.

#### (2) Diplomas in Social Administration

The School offers courses of study for full-time day students leading to a Diploma in Social Administration. The courses are designed to give a broad general education in the social sciences. Students who wish to prepare themselves to work as professional social workers after this course of study normally proceed to a course of training leading to a professional qualification.

### Regulations for School Diplomas

The teaching for the Diploma combines theoretical study of the social sciences and practical experience in the fields of social administration, social work and social research. The curriculum includes lectures and classes in Economic and Social History, Economics, Psychology, Sociology, Social Anthropology and Social Policy and Administration. Each student is assigned to a tutor who is responsible for the general supervision of his studies. For tutorials and classes the students are required to do regular written work. Variations are made in the course to meet the needs of students who are preparing to work in the low-income countries.

Field work in both statutory and voluntary agencies is arranged with the aim both of helping the students to gain a better appreciation of social conditions and social problems and of giving them an introduction to the practice of social work. This is undertaken during vacations. In their own interests students are advised to gain some experience outside London, and this may involve additional expense.

#### Diploma for Graduate Students

The full-time course for the Diploma for graduate students covers one academic year. Candidates are required to undertake a minimum of twelve weeks' full-time field work as an integral part of the course, six weeks of which must be done before the beginning of the Michaelmas term and six weeks during the Easter vacation.

Candidates are required to take one paper in each of the following subjects:

	Reference Nos. of Courses	
	U.K.	Overseas
1. Social Policy and Administration	740-6, 750-1	7-8, 740-5 750-1
2. The Economic and Social Background to Social Policy and Administration	20, 24, 42, 757, 918, 936	20, 50, 87, 640, 652, 757
3. Psychology and Social Structure	695(i) and (iii), 761-2, 830, 844, 853-4	695(i) and (iii), 761-2, 830, 853

Candidates are required to pass in all of these subjects, and, in addition, they must reach the required standard in their field work.

Applicants for admission to the course for the Diploma in Social Administration for graduate students must have attained the age of 21 by 1 October in the year for which they seek admission and they must be graduates of a university.

Admission for British graduates will be determined by interview and relevant documentary evidence. Application must be made by 1 March preceding the session for which admission is desired, but interviews will be given in the Christmas vacation for candidates who apply by the middle of November, and during the Lent term for those who apply by the middle of January.

Graduates of overseas universities must apply by 31 January if they are applying from overseas and by 1 March if they are in the United Kingdom. They should have had practical experience of at least one year's duration, preferably in their own country, in the social welfare field or in other relevant work. They are normally required to take an entrance examination, for which there is a fee of £1, and they may be called for interview; if necessary, arrangements can be made for the examination and the interview to take place overseas. Overseas graduates of a British

### *Regulations for School Diplomas*

university are not required to take the entrance examination, but they should have had the year's practical experience. The Diploma course is adapted to meet the needs of students, both from the United Kingdom and from overseas, who intend to work outside the United Kingdom, and separate papers for these students are set in the examination for the Diploma. British graduates who wish to follow this 'overseas option' should have had a year's practical experience in an overseas country.

Application forms may be obtained from the department of Social Science and Administration.

#### **Regulations**

1. There shall be a Diploma in Social Administration which shall be awarded to persons who, having completed the course of study prescribed by these regulations, have satisfied the examiners in the examination for the Diploma and in the field work prescribed by these regulations.
2. No person shall be admitted to the prescribed course of study for the Diploma unless:
  - (a) he shall have attained the age of 21 years on or before 1 October of the calendar year in which he is admitted;
  - and (b) he shall be a graduate of a university.
3. The prescribed course of study shall be of one academic year's duration.
4. A candidate will be required to undertake twelve weeks' full-time field work during vacations as an integral part of the course. Six weeks of this shall normally be undertaken before the beginning of the course of study.
5. There shall be an examination for the Diploma, to be held in the Summer term of each year on dates determined by the convener of the department of Social Science and Administration, hereinafter referred to as the convener of the department. The examination shall comprise the following papers:
  - (1) Social Policy and Administration
  - (2) The Economic and Social Background to Social Policy and Administration
  - (3) Psychology and Social Structure
6. In each subject of the examination a separate paper shall be set for students from overseas.
7. The examination shall be conducted by such members of the staff of the department of Social Science and Administration as may be designated as internal examiners in each year by the Director, together with one external examiner. The external examiner shall be a person who, at the time of the examination, is not a member of the staff of the School. He shall be appointed by the Academic Board and shall be eligible for reappointment for two further years, but for three calendar years thereafter shall not again be eligible for appointment.
8. 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 reaches the prescribed standard in each of two papers and the examiners do not consider his failure in the third to be serious they may, at their discretion, declare him to be referred in that paper.

### *Regulations for School Diplomas*

9. A candidate may offer on not more than two subsequent occasions a paper in which he has 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 those occasions he is successful in attaining the prescribed standard in that paper he shall be treated as having then satisfied the examiners in the whole examination.

10. The examiners may test any candidate by means of oral questions.
11. A mark of distinction shall be awarded to candidates who show exceptional merit.
12. 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 Academic Secretary for an aegrotat award.

Having considered the work which the candidate has submitted 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, the examiners will determine whether evidence has been shown to their satisfaction that, had he 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.

13. A candidate who completes the course of study for the Diploma, but for reasons which, in the opinion of the convener of the department, are sufficient, fails to present himself for examination, or who presents himself, but fails to satisfy the examiners in the examination and who is not referred in any paper, may be a candidate for the whole examination on two, but not more than two subsequent occasions, of which the first shall not normally be more than two nor the second normally more than four academic years later than the occasion of the candidate's failure. If he is on either of those occasions referred in one paper, Regulation 9 shall apply to him.

14. Each candidate for the Diploma shall be required to submit to the convener of the department before the date on which he satisfies the examiners in the examination, or not later than two calendar years (or such further period as the convener of the department may in a particular case permit) after that date, evidence to the satisfaction of the convener of the department of his having completed field work of such nature and such duration as may be prescribed by the convener of the department.

#### **Diploma for Non-Graduate Students**

The full-time course for the Diploma for non-graduate students covers two academic years. Students are required to undertake a minimum of sixteen weeks' full-time field work to be done during the vacations.

### Regulations for School Diplomas

Candidates are required to take one paper in each of the following subjects:

	<i>Reference Nos. of Courses</i>
1. Elements of Social Analysis	830, 844, 853-4
2. Social Policy and Administration	262, 740-6, 746, 750-1
3. Psychology	695(i) and (iii), 761-2
4. Social Economics	20, 24, 42, 757, 918, 936

Students are required to pass in all of these subjects, and, in addition, they must reach the required standard in their field work.

Applicants for admission to the course for the Diploma in Social Administration for non-graduate students must have attained the age of 20 by 1 October of the year for which they seek admission, and have completed a period of employment or other suitable experience of approximately one year between leaving school and the date at which they wish to begin the course. They must take an entrance examination, for which there is a fee of £1, and those who reach the required standard in the examination may be called for interview. If necessary, arrangements can be made for the examination and the interview to take place overseas. Applications must be made by 31 January preceding the session in which admission is desired. Application forms may be obtained from the department of Social Science and Administration.

#### Regulations

1. There shall be a Diploma in Social Administration which shall be awarded to persons who, having completed the course of study prescribed by these regulations, have satisfied the examiners in the examination for the Diploma and in the field work prescribed by these regulations.

2. No person shall be admitted to the prescribed course of study for the Diploma unless:

(a) he shall have attained the age of 20 years on or before 1 October of the calendar year in which he is admitted;

and (b) he shall, since leaving school, have completed to the satisfaction of the convener of the department of Social Science and Administration (hereinafter in these regulations referred to as the convener of the department) a period of employment or other suitable experience of approximately one year's duration.

3. The prescribed course of study shall be of two academic years' duration.

4. A candidate will be required to undertake sixteen weeks' full-time field work during vacations as an integral part of the course.

5. There shall be an examination for the Diploma, to be held in the Summer term of each year on dates determined by the convener of the department. The examination shall comprise the following papers:

- (1) Elements of Social Analysis
- (2) Social Policy and Administration

### Regulations for School Diplomas

(3) Psychology

(4) Social Economics

6. The examination shall be conducted by such members of the staff of the department of Social Science and Administration as may be designated as internal examiners in each year by the Director, together with one external examiner. The external examiner shall be a person who, at the time of the examination, is not a member of the staff of the School. He shall be appointed by the Academic Board and shall be eligible for reappointment for two further years, but for three calendar years thereafter shall not again be eligible for appointment.

7. 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 reaches the prescribed standard in each of three papers and the examiners do not consider his failure in the fourth to be serious they may, at their discretion, declare him to be referred in that paper.

8. A candidate may offer on not more than two subsequent occasions a paper in which he has 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 those occasions he is successful in attaining the prescribed standard in that paper he shall be treated as having then satisfied the examiners in the whole examination.

9. The examiners may test any candidate by means of oral questions.

10. A mark of distinction shall be awarded to candidates who show exceptional merit.

11. 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 Academic Secretary for an aegrotat award.

Having considered the work which the candidate has submitted 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, the examiners will determine whether evidence has been shown to their satisfaction that, had he 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.

12. A candidate who fails to satisfy the examiners in the examination and who is not referred in any paper may be a candidate for the whole examination on two, but not more than two subsequent occasions, of which the first shall not normally be more than two nor the second normally more than four academic years later than the occasion of the candidate's failure. If he is on either of those occasions referred in one paper Regulation 8 shall apply to him.

13. Each candidate for the Diploma shall be required to submit to the convener of the department before the date on which he satisfies the examiners in the examina-



### Regulations for School Diplomas

ation, or not later than two calendar years (or such further period as the convener of the department may in a particular case permit) after that date, evidence to the satisfaction of the convener of the department of his having completed field work of such nature and such duration as may be prescribed by the convener of the department.

#### (3) Diploma in Personnel Management

The School offers a one-year course of full-time study for men and women intending to seek employment as Personnel Officers. The course will be for a calendar year, starting with a month's practical work in industry in September and finishing with the examination for the Diploma at the end of the following August.

Applicants resident in the United Kingdom should have either a degree or a social science diploma from a British university, or should have had considerable industrial or commercial experience. Those without a degree or diploma should be at least 24 years of age and must take the entrance examination, for which there is a fee of £1, and only those who reach the required standard will be called for interview. All applicants who are exempt from the entrance examination will be given an interview. Applicants resident overseas must be university graduates or have a social science diploma, and they must also have had at least two years' experience of industrial or related work in their own country. They are normally required to take the entrance examination and only those who reach the approved standard will be given an interview. If necessary, arrangements can be made for the examination and the interview to take place overseas.

Any person (with the exception of overseas applicants) desiring to enter the School as a regular student must apply by 1 June preceding the session for which admission is desired, but if vacancies are available, later applications from university graduates will be considered. Interviews will be given during the Easter vacation, however, for candidates who apply by 31 January, and those who are not exempt from the entrance examination will take an examination early in March. A second entrance examination will be held at the end of June, followed by interviews in July.

Candidates who are overseas—other than those resident in India—must apply by 1 January. Candidates in India must apply in the first instance by 1 January to the Secretary, Indian Institute of Personnel Management, Artistry House, 15 Park Street, Calcutta 16, as this Institute arranges interviews in India for all Indian applicants.

The course is designed to give students knowledge and understanding of the principles and problems of personnel management, both by theoretical study and by direct experience. For this purpose the School has been fortunate in the assistance received from companies and management organizations, which makes it possible for students to obtain varied first-hand experience, including practical training in a personnel department. The first period of practical training is in September preceding the first academic term. The Easter vacation is spent in an investigation in industry. A further period of practical training takes place in July after the Summer term finishes. Students return to the School for revision classes in August. The examination is held at the end of August, and a diploma is awarded as evidence of satisfactory completion of the course.

A person to whom the Diploma is awarded may seek exemption from the

### Regulations for School Diplomas

Membership Examination of the Institute of Personnel Management. The Institute is proposing changes in its admissions requirements which, if adopted, may mean that applicants for membership who are candidates for the Diploma and who have not taken certain subjects in their work for a first degree, diploma or certificate, will be required to undertake additional tuition during or before this Diploma course and to pass a qualifying examination. Students applying for admission for 1972-73 will be informed if these proposed changes are adopted.

Application forms and further particulars may be obtained from the Assistant Registrar (Admissions), London School of Economics and Political Science, Houghton Street, London, WC2A 2AE.

#### Regulations

1. There shall be a Diploma in Personnel Management which shall be awarded to persons who, having completed the course of study prescribed by these regulations, have satisfied the examiners in the examination for the Diploma.

2. No person shall be admitted to the prescribed course of study for the Diploma unless:

- (a) he is a graduate of a university
- or (b) he holds a certificate or diploma in Social Science
- or (c) he has attained the age of 24 years, and, having had considerable industrial or commercial experience, satisfies the examiners in the entrance examination for the course

3. The prescribed course of study shall be of one calendar year's duration.

4. There shall be an examination for the Diploma, to be held at the end of August each year (on dates to be determined by the convener of the department of Social Science and Administration). The examination shall comprise the following:

#### Reference Nos. of Courses

##### Part I

Four papers as follows:

- |  |   |
|--|---|
| 1. The Economics and Organization of Business Enterprise | 20, 24, 165, 354, 757, 783, 919, 942, 955, 955a |
| 2. Industrial Relations and Industrial Law               | 345-6, 348, 447                                 |
| 3. Industrial Psychology and Sociology                   | 351-351b, 830                                   |
| 4. Principles and Practice of Personnel Management       | 780-2   |

##### Part II

An oral examination based on the report of an investigation undertaken by students during the year

5. 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. For the oral examinations, external examiners shall be appointed who, in addition to the appropriate academic qualifications, hold or have held a responsible position in personnel management in industry or commerce. All the external examiners shall be persons who at the time of the examination are

### Regulations for School Diplomas

not members of the staff of the School. They shall be appointed by the Academic Board and shall be eligible for reappointment for two further years, but for three calendar years thereafter shall not again be eligible for appointment.

6. A candidate shall be required to satisfy the examiners in each paper of Part I and in Part II of the examination; provided that a candidate who has reached the prescribed standard in three papers in Part I and in Part II may, if the examiners think fit, be declared by them to be referred in the remaining paper of Part I.

7. A candidate may offer on not more than two subsequent occasions a paper in which he has 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 those occasions he is successful in attaining the prescribed standard he shall be treated as having satisfied the examiners in the whole examination.

8. A mark of distinction shall be awarded to candidates who show exceptional merit.

9. 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 Academic Secretary for an aegrotat award.

Having considered the work which the candidate has submitted 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, the examiners will determine whether evidence has been shown to their satisfaction that, had he 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.

10. A candidate who completes the course of study for the Diploma, but for reasons which, in the opinion of the convener of the department, are sufficient, fails to present himself for examination, or who presents himself, but fails to satisfy the examiners in the examination and who is not referred in any paper may be a candidate for the whole examination on two, but not more than two subsequent occasions, of which the first shall not normally be more than two nor the second normally more than four academic years later than the occasion of the candidate's failure. If he is on either of those occasions referred in one paper Regulation 7 shall apply to him.

#### (4) Diploma in Social Work Studies

(This Diploma replaces the Diploma in Applied Social Studies and the Diploma for Social Workers in Mental Health.)

The School offers a one-year course in social work leading to a Diploma in Social Work Studies. The main subjects of study are principles and practice of social work, with special attention to casework, but including also the study of group work,

### Regulations for School Diplomas

community work and residential work; human growth and development, social influences on behaviour, deviations from normal patterns of living created by ill health, disablement, mental disorder, delinquency and deprivation of family life.

Field work teaching under supervision, undertaken in various social work agencies, e.g. local authority social work departments, social work departments of general and psychiatric hospitals, is an essential part of the course and is closely integrated with the theoretical part of the studies. Individual tuition is given in both the theoretical and field work parts of the course.

The course is a generic one and students have a choice of field work placements. On qualifying they become eligible for membership of the appropriate professional associations. In addition to working as practitioners in different fields of social service those qualifying by means of this professional course are in demand for a variety of posts carrying responsibility for teaching, supervision and administration.

Applications will be considered in order of receipt, and in any case not after 31 January in the year in which admission is desired. Candidates are admitted to the course on the recommendation of a selection committee which takes into account personal suitability for the practice of social work as well as qualifications, experience and age (see regulations below). Candidates are expected to have had at least a year's experience in social work before the course commences at the beginning of October. Only in exceptional circumstances will candidates with less experience be admitted to the course. Further particulars may be obtained from the Secretary, Social Work Courses, Department of Social Science and Administration, London School of Economics and Political Science, Houghton Street, Aldwych, London, WC2A 2AE. Letters should be clearly marked 'Diploma in Social Work Studies'.

#### Regulations

1. There shall be a Diploma in Social Work Studies which shall be awarded to persons who, having completed the course of study prescribed by these regulations, have satisfied the examiners in the examination for the Diploma and in the field work as prescribed by these regulations.

2. No person shall be admitted to the prescribed course of study for the Diploma unless:

either (a) he holds a university degree or diploma or certificate in the social sciences approved for this purpose by the convener of the department of Social Science and Administration (hereafter referred to as the convener of the department) and

(b) he has experience in social work or work of a similar nature

or (c) he has attained the age of 25 years and has satisfied the convener of the department that he is adequately qualified:

(i) by experience in social work or work of a similar nature and

(ii) by reason of having followed a systematic course of study in the social sciences.

3. The prescribed course of study shall be of one academic year's duration.

#### *Regulations for School Diplomas*

4. There shall be an examination for the Diploma, to be held in the Summer term of each year on dates determined by the convener of the department. The examination shall comprise the following papers:

1. Human Growth and Behaviour
2. Social Work and Social Administration
3. Social Pathology

5. In order to qualify for the award of the Diploma each candidate shall be required to complete field work of such nature, duration and standard as may be prescribed by the convener of the department.

6. 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 external examiner. The external examiner shall be a person who, at the time of the examination, is not a member of the staff of the School. He shall be appointed by the Academic Board and shall be eligible for reappointment for two further years, but for three calendar years thereafter shall not again be eligible for appointment.

7. 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 reaches the prescribed standard in two of the three papers and the examiners do not consider his failure in the other to be serious they may, at their discretion, declare him to be referred in that paper.

8. A candidate may offer on not more than two subsequent occasions a paper in which he has 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 those occasions he is successful in attaining the prescribed standard in that paper he shall be treated as having then satisfied the examiners in the whole examination.

9. The examiners may test any candidate by means of oral questions.

10. A mark of distinction shall be awarded to candidates who show exceptional merit.

11. 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 Academic Secretary for an aegrotat award.

Having considered the work which the candidate has submitted 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, the examiners will determine whether evidence has been shown to their satisfaction that, had he 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.

#### *Regulations for School Diplomas*

12. A candidate whose field work has reached the required standard and who completes the course of study for the Diploma, but for reasons which, in the opinion of the convener of the department, are sufficient, fails to present himself for examination, or who presents himself, but fails to satisfy the examiners in the examination and who is not referred in any paper may be a candidate for the whole examination on two, but not more than two subsequent occasions, of which the first shall not normally be more than two nor the second normally more than four academic years later than the occasion of the candidate's failure. If he is on either of those occasions referred in one paper Regulation 8 shall apply to him.

#### **(5) Diploma in Statistics**

The School offers a full-time course for graduate students leading to a Diploma in Statistics. The course is intended for graduates with first degrees specialising in subjects other than statistics, but including some study of statistics. The mathematics background required is approximately that of an Advanced level pass in the General Certificate of Education examination. The Diploma will furnish a basis for further graduate work in statistics as well as provide a qualification for those who wish to embark on a career as a statistician.

Members of the staff of the Statistics department will advise prospective applicants on the relative suitability of the Diploma course and the M.Sc. Statistics course for particular individuals. Generally speaking, the M.Sc. can be obtained in one year only by students who have done a substantial amount of statistics during their first degree courses. In suitable cases it will, however, be possible for a student to obtain the M.Sc. by means of a further year's study after passing the Diploma examination at a sufficiently high level.

Applications for admission to the course should be made on the prescribed form by 1 February to the Secretary of the Graduate School, London School of Economics and Political Science, Houghton Street, Aldwych, London, WC2A 2AE.

The department reserves the right to cancel lecture courses for any option for which there are fewer than four candidates. In such cases candidates will be prepared for the examination by tutorials and directed reading.

#### **Regulations**

1. There shall be a Diploma in Statistics which shall be awarded to persons who, having completed the course of study prescribed by these regulations, have satisfied the examiners in the examination for the Diploma.

2. No person shall be admitted to the prescribed course of study for the Diploma unless he holds a university degree or other qualification approved for this purpose by the convener of the department of Statistics.

3. The prescribed course of study shall be of one academic year's duration.

4. There shall be an examination for the Diploma, to be held in the Summer term of each year on dates determined by the convener of the department of Statistics. (Note Candidates should collect their entry forms for the examination from the Graduate School Office and return them to the Office duly completed by 1 February.)

The examination shall comprise four papers selected with the approval of the candidate's supervisor from the following list:

## Regulations for School Diplomas

1. Statistical Theory
2. Statistical Methods and Inference
3. *Either* (i) Mathematics A  
or (ii) Mathematics B
4. Social Statistics and Survey Methodology
5. Demography
6. Management Mathematics
7. Economic Statistics
8. Economics treated Mathematically
9. Any other approved paper

## Reference Nos. of Courses

- 983, 983a  
928-9a, 983, 983a  
914  
915, 915a  
928, 939, 976  
680-1, 684-6  
956-8a  
931, 931a, 933  
32, 32a, 958, 958a  
—

A candidate may not offer a paper in which he has been examined at first degree level or its equivalent.

A candidate will normally be expected to include papers 1, 2 and 3 in his selection unless he can satisfy his supervisor that he has already reached the required standard in any of these three papers.

5. In order to qualify for the award of the Diploma each candidate shall be required to attend a course on computer programming.
6. 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 external examiner. The external examiner shall be a person who, at the time of the examination, is not a member of the staff of the School. He shall be appointed by the Academic Board and shall be eligible for reappointment for two further years, but for three calendar years thereafter shall not again be eligible for appointment.
7. In order to satisfy the examiners in the examination a candidate shall be required to reach in each paper a standard prescribed by them.
8. The examiners may test any candidate by means of oral questions.
9. A mark of distinction shall be awarded to candidates who show exceptional merit.
10. A candidate who fails to reach the required standard in the examination may, in approved cases, be allowed to re-enter for the examination on one further occasion.

## The Graduate School and Regulations for Higher 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 1970-71, 1,470 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, 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.

As regards advanced training, the School provides lectures, classes, seminars and individual supervision for students who wish to take a Master's degree by examination. 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. Reference to the details of lecture courses, classes and seminars in Part III of this Calendar will show the individual courses involved, which are now provided in the different subjects on a very extensive scale.

As regards 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 and the Public Record Office 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 undertake research 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 obtainable by post on request. A copy may be obtained from the Graduate School Office by students applying personally for postgraduate registration. It contains a fuller description of graduate facilities, procedure on registration, the main regulations for internal higher degrees of the University of London open to students at the School and notes on library and social facilities.

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 October entrance must reach the School on the prescribed form, completed and fully documented, by 1 February. As preliminary correspondence is usually necessary, applicants are advised to make first enquiries well in advance.

**Note** If a candidate who has been offered admission for October fails to register

### *The Graduate School*

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.

For all further particulars on facilities and procedure, students are referred to the handbook *The Graduate School*.

### Higher Degrees

Candidates for internal higher degrees of the University of London must first be accepted by one of the colleges of the University. The fact that a student has satisfied the general requirements of the University of London does not mean that he will obtain a place at the School. Since its accommodation is limited the School can accept only a small proportion of those who apply. The School may specify conditions over and above the requirements of the University regulations with which a student must comply before admission. Candidates may also be asked to take a qualifying examination either before a decision is made on their application, or after the first year of registration at the School. A copy of the full University regulations of the relevant degree is available for inspection in the Graduate School Office. The School is able to distribute copies only to students registered for research degrees. There is given below only a selection of the regulations for those higher degrees for which candidates are most commonly registered at the School, together with a note on certain others.

#### The Higher Doctorates

The School does not register candidates for higher doctorates. For the D.Sc. (Econ.) and D.Lit., published work alone can be considered by the examiners. Only London graduates are eligible for these doctorates, and applicants should communicate directly with the Academic or External Registrar of the University of London as to the conditions and regulations pertaining to them.

#### External Higher Degrees

*Only graduates of London University* (either internal or external) may proceed to *external* higher degrees of the University. It is **most unusual** for candidates for external higher degrees to be registered at the School, but the Graduate School Committee may in special cases consider such applications. Candidates so accepted must conform to the appropriate School regulations and, while registered, pay the same tuition fees as candidates registered for internal degrees.

#### Regulations for Higher Degrees of the University of London

Candidates are directly responsible for knowing and observing University regulations, but deal with the University through the Graduate School Office. Only the final submission of theses and detailed arrangements for all examinations are conducted directly between the candidate and the University. Instructions on these points are given at the appropriate times.

### *The Graduate School*

#### Degrees Available and Other Forms of Registration at the School

The degrees for which a student may register at the London School of Economics are as follows:

- (a) Doctor of Philosophy (Ph.D.)
- (b) Master of Philosophy (M.Phil.)
- (c) Master's Degrees:
  - Master of Laws (LL.M.)
  - Master of Science (M.Sc.)
  - Master of Arts (M.A.)<sup>1</sup>

The Ph.D. may be awarded in the Faculties of Arts, Laws, Science, Engineering, and Economics.

The M.Phil. may be awarded in the Faculties of Arts, Laws, Science, Engineering, and Economics.

The M.Sc. may be awarded in the Faculties of Science, Engineering, and Economics.

As previously indicated, the School accepts under the Research Fee, students wishing to carry out research without taking a higher degree of London University. Such students may attend lectures and seminars relevant to their research work, and they are allocated to a supervisor.

Candidates may register at the School for the University Diploma in Social Anthropology, or the School Diploma in Statistics. Candidates may also register for the School Diploma in Social Administration, but applicants for this diploma should address their enquiries direct to the Department of Social Science and Administration at the School. For details see pages 214–220.

The School reserves the right at all times to withdraw or alter particular courses and course syllabuses.

#### Regulations Common to the Ph.D. and Master's Degrees

1. Recommendations for registration must be submitted by the School to the University not later than three months after the date on which the course is begun. Retrospective registration will be allowed in some circumstances and where a student has already been registered in the Graduate School. No retrospective registration towards another degree is allowed for any period spent on the M.Sc.

2. A candidate who has been accepted by the School must be registered with the University as soon as he starts his course at the School. A candidate's registration cannot be recommended to the University until the School has received *official* evidence of all his previous university qualifications. Candidates for the one-year M.Sc. must be registered within two months of taking up their course.

A fee of £8 is payable for each registration as an internal student of the University for a postgraduate degree except that no additional registration fee is payable by a student who is permitted to transfer his registration from one higher degree to another.

Registration fees are not normally returnable.

<sup>1</sup>The only branches of this degree for which the School registers candidates are International History and Area Studies.

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3. If a student does not begin his course of study within one calendar year from the date of the approval of his registration the approval of his registration will lapse and he must apply again for registration if he still desires to proceed to a higher degree.

4. A qualifying or preliminary examination may be imposed after registration, as a condition of being allowed to enter for the degree examination. A student upon whom such a condition has been imposed will normally be required to sit the qualifying examination at least one year before he enters for his degree examination or submits his thesis. If he fails to pass this qualifying examination he will not be permitted to re-enter for it without the permission of the School and the University.

If the qualifying examination imposed consists of a paper or papers from an existing University examination, the fee payable by the candidate is prescribed by the University: £5 for a single paper, £10 for more than one paper. In this case, the candidate is required to submit an entry form to the University by the date prescribed in the regulations for the relevant examination.

5. It is essential that the student, whilst pursuing his course of study as an internal student, should be prepared to attend personally for study in a college, school or institution of the University during the ordinary terms at such time or times as his supervising teacher may require.

6. Leave of absence may, under proper conditions, be permitted if the material for the work of a student registered for the M.Phil. or Ph.D. exists elsewhere. A full-time student granted leave of two terms or more must have been in attendance before entry to the degree examination for not less than four terms at the School and a part-time Ph.D. student not less than seven terms; neither the first nor the last term of the course can be counted as leave of absence.

7. The greater portion of the work submitted as a thesis for a degree must have been done since the student was registered as an internal student of the University.

8. All theses must be written in English and every candidate will be required to forward to the University the prescribed number of copies of his thesis and of a short abstract thereof comprising not more than 300 words. The abstract should be bound with each copy of the thesis submitted to the University.

9. A candidate will not be permitted to submit as his thesis a thesis for which a degree has been conferred on him in this or any other university, but a candidate shall not be precluded from incorporating work which he has already submitted for a degree in this or any other university in a thesis covering a wider field, provided that he shall indicate on his entry form and also in his thesis any work which has been so incorporated.

10. A student submitting a thesis in typescript will be required to supply, at the time of the examination, two of the required copies of his thesis (*one* of which must be the typescript itself, *not* a carbon copy) bound in accordance with the following specification:

size of paper: quarto (10 inches by 8 inches) or International A4 (11.7 inches by 8.3 inches), except for drawings and maps on which no restriction is placed. Margins of 1½ inches to be left on each side to allow for binding. Bound in a standardised form as follows: art vellum or cloth; overcast; edges uncut; lettered

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boldly up back in gold (¼ inch to ½ inch letters), DEGREE, DATE, NAME; short title written or printed neatly and legibly on the front cover.

(The name and address of a firm of bookbinders in London, who will bind theses to this specification, may be obtained from the Academic Registrar, University of London, Senate House, WC1E 7HU).

11. Except with the special permission of the Academic Council an internal student will not be permitted to register concurrently for more than one degree, diploma or certificate, nor for any combination of these awards. No student who is registered as an external student may be registered concurrently as an internal student.

### The Degree of Doctor of Philosophy

(See also the section on common regulations.)

1. The following are eligible, by University regulations, to apply for registration for a Ph.D. degree:

- (i) A graduate of London University;
- (ii) A graduate of another university;
- (iii) The holder of an approved diploma in certain educational institutions of university rank.

An applicant who has not obtained at least a **second class (upper division)** in an honours degree of this university, or its equivalent in another university, will not normally be admitted to the Graduate School as a candidate for the Ph.D. degree; and one who has not already obtained a Master's degree of this or another university will usually be required to register, in the first place, for a Master's degree.

2. A student is required to register as an internal student before proceeding to the Ph.D. degree. When applying for registration he must submit satisfactory evidence of his qualifications to proceed to this degree. The registration form, when completed, must be returned to the Graduate School Office.

3. In the Faculty of Laws, a candidate must have obtained either the LL.B. with first class honours or the LL.M. of London University or a degree of another university, assessed by London University as equivalent to one of these. In exceptional cases exemptions from these requirements may be granted.

4. A student registered for the Ph.D. who wishes to proceed instead to the M.Phil. must apply through the School for permission to do so. The length of further course, if any, which he will be required to pursue for the M.Phil. will be prescribed in each case by the University. On registering for the M.Phil. his Ph.D. registration will lapse.

#### Course of Study

5. Every candidate must pursue as an internal student:

- (a) a course of not less than two academic years (in the Faculties of Engineering and Science two calendar years) of full-time training in research and research methods, or

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(b) a part-time course of training in research and research methods of not less than three academic years.

**Note** Students registering for the Ph.D. degree at any time other than the beginning of a session will be required to pursue a full-time course of not less than two calendar years, or a part-time course of not less than three calendar years.

6. A research student engaged in teaching work in a School of the University or elsewhere may be accepted as a full-time student, provided that the total demand made on his time, including any preparation which may be required, does not exceed six hours a week.

7. The course must be pursued continuously, except by special permission of the Senate.

8. Not later than nine months before the date when he proposes to enter for the examination the student must submit through the Graduate School Office the title of his thesis for approval by the University. After the title of the thesis has been approved it may not be changed except with the permission of the University.

### **Thesis**

9. After completing his course of study every candidate must submit a thesis which must comply with the following conditions:

(a) The greater portion of the work submitted therein must have been done after the registration of the student as a candidate for the Ph.D. degree.

(b) It 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.

(c) It must be written in English and be satisfactory as regards literary presentation, and if not already published in an approved form, must be suitable for publication, either as submitted or in an abridged or modified form.

(d) Theses for the Ph.D. in Anthropology, Geography and Philosophy shall not exceed 75,000 words in length unless permission to exceed this limit has been granted by the University.

(e) For the Ph.D. in the Faculty of Economics the thesis shall not exceed 75,000 words in length, exclusive of bibliographies and technical appendices, unless permission to exceed this length has been granted by the University.

(f) In the field of History no thesis shall exceed 100,000 words in length (inclusive of footnotes and appendices, but exclusive of bibliography). This regulation does not apply to editions of a text or texts. A candidate wishing to exceed the prescribed limit may apply for permission to the University through his supervisor and the Graduate School Office, such application being made at least six months before the presentation of the thesis.

10. The thesis must consist of the candidate's own account of his research. It may describe work done in conjunction with the teacher who has supervised the work, provided that the candidate clearly states his personal share in the investigation, and that this statement is certified by the teacher. In no case will a paper written

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or published in the joint names of two or more persons be accepted as a thesis. Work done conjointly with persons other than the candidate's teacher will be accepted as a thesis in special cases only.

11. The candidate must indicate how far the thesis embodies the result of his own research or observation, and in what respects his investigations appear to him to advance the study of his subject.

### **Entry for Examination**

12. Every candidate must apply to the Graduate School Office for a form of entry, which, when completed and countersigned by the School authorities, must be sent to the University together with the proper fee not earlier than six months and not later than two months before the submission of the thesis.

13. Every candidate must produce a certificate from the authorities of the School stating that he has studied to their satisfaction for the prescribed period. The certificate must be submitted before, or at the same time as the thesis is submitted. The thesis may be submitted on or after the first day of the month following that in which the prescribed course of study is completed. A candidate who is required to pursue a course of study extending over a specified number of academic years will be permitted to submit his thesis on or after 1 June of the relevant year.

A candidate who will not be ready to submit his thesis at the end of the prescribed course may defer submission of the form of entry up to one calendar year from the completion of his course. A candidate who does not submit his form of entry within one calendar year must apply again to the University for admission to the examination if he still desires to proceed to the degree.

If a candidate has not submitted his thesis for examination within eighteen months after submission of the form of entry for the examination, his entry will be cancelled and the fee refunded less £4.

A candidate registered for the Ph.D. degree will be required to submit three copies of his thesis typewritten or published in his own name. In the Faculty of Arts or Science he is required to bring an additional copy to the oral examination adequately bound and paginated in the same way as the three copies submitted to the University.

14. The candidate is invited to submit as subsidiary matter in support of his candidature any printed contribution or contributions to the advancement of his subject which he may have published independently or conjointly. In the event of a candidate submitting such subsidiary matter he will be required to state fully his own share in any conjoint work.

### **Examination**

15. After the examiners have read the thesis they may, if they think fit and without further test, recommend that the candidate be rejected.

16. If the thesis is adequate the examiners 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 and, if they see fit, on subjects relevant thereto; provided that a candidate for the Ph.D. degree in the Faculty of Arts who has obtained the

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degree of M.A. in the same subject in this University shall in any case be exempted from a written examination.

17. If the thesis is adequate, but the candidate fails to satisfy the examiners at the oral, practical or written examination held in connection therewith, the examiners may recommend to the Senate that the candidate be permitted to re-present the same thesis and submit to a further oral, practical or written examination within a period not exceeding eighteen months specified by them. The fee payable on re-entry to the Ph.D. examination by a candidate referred in this way is £17.50 for an oral examination, and £25 for a written or practical examination.

18. If the thesis, though inadequate, shall seem of sufficient merit to justify such action, the examiners may recommend to the Senate that the candidate be permitted to re-present his thesis in a revised form within eighteen months from the decision of the Senate with regard thereto, and the fee on re-entry, if the Senate adopt such recommendation, shall be £25. The examiners shall not, however, make such recommendation 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 a candidate who, under this section, has been permitted by the Senate to re-present his thesis in a revised form.

19. If the thesis is otherwise adequate, but requires minor amendments, and if the candidate satisfies the examiners in all other parts of the examination, 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.

20. If, after completion of the examination or re-examination for the Ph.D., the examiners are of the opinion that a candidate does not justify a recommendation for the award of that degree nor for the re-presentation of the thesis in a revised form for that degree, they may at their discretion recommend that the candidate be eligible to apply for the award of the M.Phil. under the following conditions and procedures. No recommendation under this regulation shall be made unless the examiners are satisfied that the candidate has reached the standard required for the award of the M.Phil.

(a) On approval of the examiners' report, the candidate will be informed that he has been unsuccessful at the examination for the Ph.D., but that he has been adjudged eligible to apply within two months for the award of the M.Phil. if he so wishes.

(b) A candidate who applies for the award of the M.Phil. under this regulation will not be 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 written papers or other tests prescribed for the M.Phil. in the relevant field.

(c) Upon an eligible candidate making application for the award of the M.Phil. for which no additional forms of examination are prescribed, he will be informed that the degree of M.Phil. has been conferred on him as from the date of the approval of the recommendation of the examiners for the Ph.D.

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(d) Upon an eligible candidate making application for the award of the M.Phil. for which additional forms of examination are prescribed, he will be informed that the degree of M.Phil. will be conferred on him as from the date of his satisfying the examiners at such additional examinations. Should such a candidate fail to satisfy the examiners at any or all of the additional forms of examination, the question of his re-entry therefor will be governed by the regulations for the M.Phil. so far as applicable.

(e) An eligible candidate who does not apply for the award of the M.Phil. 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 is no longer eligible to apply for the award of the M.Phil. under this regulation.

21. For the purposes of the oral, practical or written examination held in connection with his thesis the candidate will be required to present himself at such place as the University may direct and upon such day or days as shall be notified to him.

22. Work approved for the degree of Ph.D. and subsequently published must contain a reference, either on the title page or in the preface, to the fact that the work has been approved by the University for the award of the degree.

## **Master's Degrees**

### **General Note on Regulations for Master's Degrees**

(See also the section on common regulations.)

1. The following are eligible, by University regulations, to apply to the School for registration for a Master's degree:

(i) A graduate of London University.

(ii) A graduate of another university.

(iii) A candidate who has obtained a qualification of an approved standard after a course of study extending over not less than three years in a university (or educational institution of university rank) overseas.

2. A student is required to register as an internal student before proceeding to a Master's degree. When applying for registration he must submit official evidence of his qualification to proceed to a Master's degree.

3. A student admitted to the School must be recommended to the University for registration as a candidate for a Master's degree. The prescribed form for this official recommendation must be completed and returned to the Graduate School Office immediately after registration at the School.

4. Students required to enter for a special examination or for the whole or a part of an examination for a lower degree as a qualification for admission to the examination for a Master's degree, will generally be required to pass such a qualifying examination at least one year before entry to the examination for the Master's degree. The lower degree, however, will not be granted to such persons.

5. A candidate registered for the M.Phil. who subsequently desires to proceed instead to the Ph.D. degree must apply through the authorities of his college, school



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or institution for permission to do so. A full-time or part-time student may be granted retrospective registration for another degree in respect of part of his previous course of study.

6. A student registered for a Master's degree is required to pursue an approved course of study. When he applies to be examined for the degree (by completing an entry form obtainable from the Graduate School Office) he must produce a certificate from the authorities of the School stating that he has studied to their satisfaction for the minimum period prescribed by the University. For course work degrees the certification is incorporated in the entry form.

7. A student registered for the M.Phil. will not be permitted to publish his thesis as a thesis approved for the Master's degree without the special permission of the University.

8. Information about the examinations for each of the Masters' degrees is to be found below.

9. Candidates who are prevented owing to the death of a near relative, or contact with an infectious illness, or by their own illness from taking all or part of a written examination under revised regulations for the degree of M.A. or M.Sc. in the Faculty of Economics at the normal time, may, with the approval of the relevant Boards of Examiners, (i) be set a special examination in the papers missed, as soon as possible after that date or (ii) if electing to re-enter the written examination at the normal time, submit their reports, essays or dissertations immediately or at the time of re-entering the written papers. Application on behalf of such candidates must be made by the School, be accompanied by a medical certificate and reach the Academic Registrar, University of London, Malet Street, London, WC1E 7HU, within seven days from the last day of the examination.

### The Degree of Master of Science (M.Sc.) in the Faculty of Economics

The degree of Master of Science in the Faculty of Economics is awarded to candidates successfully completing examinations based on courses which fall within any of the following branches:

Accounting and Finance	International Law <sup>1</sup>	Social Anthropology <sup>1</sup>
Business Studies <sup>1</sup>	International Relations	Social Psychology
Demography	Logic and Scientific Method	Sociology
Economics	Management Studies	Sociology with special reference to Education <sup>1</sup>
Econometrics and Mathematical Economics	Operational Research	Sociology with special reference to the Sociology of Medicine <sup>1</sup>
Economic History	Planning Studies	Statistics
Geography	Politics	
Industrial Relations	Social Administration and Social Work Studies	
International History		

<sup>1</sup>The School does not register students for this branch of the M.Sc.

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#### Qualifications for Admission

A graduate who has not obtained at least a second class honours degree in this University, or its equivalent in another university, will not normally be admitted to the School as a candidate for the M.Sc. degree.

#### Registration with the University

Candidates accepted for the M.Sc. must be registered with the University (through the Graduate School Office) immediately after the beginning of their course. Candidates should complete the University registration forms and return them to the Graduate School Office. Their registration cannot be recommended to the University until official evidence of their qualifications has been received by the Graduate School Office. There is no provision for retrospective registration for the M.Sc.

#### Course of Study

The course of study will extend over not less than one academic or one calendar year<sup>1</sup>, but a candidate whose initial qualification in the field of study he wishes to pursue is held by the School to be insufficient may be required to extend his course over two years and to pass a qualifying or preliminary examination not less than one year before entry for the degree examination.

No candidate will be admitted to the School to follow the course of study for the M.Sc. degree except at the beginning of the session.

A candidate who has been admitted to the School as a part-time student will be required to extend his course of study over two academic or two calendar years.

#### Examination

The examination in each branch of study will take place once a year, either in the third week of June or in the third week of September.<sup>1</sup> It will consist of written papers, where appropriate a test of practical work or an essay written during the course of study, and, at the discretion of the examiners, an oral examination.

Each candidate must apply to the Graduate School Office for a form of entry either by 10 January or by 1 April for the June or the September examination respectively. This form must be sent, duly completed, together with the appropriate fee to the Academic Registrar not later than 1 February or 1 May.

A candidate who fails in his examination will not normally be readmitted to the School, but he may re-enter for the examination on two further occasions.

A list of candidates for the M.Sc. examination who have satisfied the examiners, will be published, arranged in alphabetical order, by the Academic Registrar. A mark of distinction will be placed against the names of those candidates who show superior merit.

<sup>1</sup>In the following branches of study the examination will take place in June: Accounting and Finance, Economics, Econometrics and Mathematical Economics, Industrial Relations, International History, International Relations, Logic and Scientific Method, Management Studies, Operational Research, Regional and Urban Planning Studies, Social Administration and Social Work Studies, Social Psychology, Statistics. In the following branches of study the examination will take place in September: Demography, Economic History, Geography, Politics, Sociology.

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A diploma for the M.Sc. degree, under the Seal of the University, will be sent to each successful candidate, after the report of the examiners has been approved by the Senate.

The latest date for withdrawal from the examination is 1 June for the June examination, and 15 August for the September examination.

If a candidate withdraws, for reasons other than his own illness or the death of a near relative, from a written examination for a Master's degree after the last date of entry, but not later than the above date, the entry fee less £4 will be refunded.

### Subjects of Study

The following is a list, arranged under branches of study, of the subjects which may be offered. Where approval for a special subject is required it must be sought at the beginning of the course of study.

Candidates who intend to study a particular region in any of the following branches: Economics, Geography, International Relations, Politics, Sociology, may, with the consent of the teachers in the relevant branches substitute for one (or in exceptional cases for two) of the papers prescribed one (or two) papers concerned with their chosen region from one (or two) other branches.<sup>1</sup>

In addition to taking four examination papers, candidates may be required to satisfy a language requirement in a language appropriate to their chosen region.

#### I. Accounting and Finance

The examination will consist of four papers on subjects selected from the list below. The selection must be approved by the candidate's teachers. At least two papers must be written on subject 1.

	<i>Reference Nos. of Courses</i>
1. Economic Aspects of Accounting (papers 1-4)	151-2, 154-5, 157, 166-171, 940
2. Economics of Industry	84, 84a, 86
3. Management Mathematics	918, 918a, 955, 955a
4. Advanced Mathematical Programming	984, 984a, 986-7
5. Advanced Systems Analysis	950-1a, 993-4a
6. Any other subject approved by the candidate's teachers	—

If the candidate's teachers approve, an essay or report of not more than 10,000 words, written during the course of study, may be substituted for one of the papers.

#### II. Business Studies

This branch of the M.Sc. is not offered at the School.

#### III. Demography

The examination will consist of three papers and a record of practical work done during the course:

	<i>Reference Nos. of Courses</i>
1. Demography I	684, 687-8, 690-2

<sup>1</sup> Where regulations for a branch permit a subject to be chosen from another branch the examination for that subject will be taken at the same time as the examinations in the branch for which the candidate is registered.

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	<i>Reference Nos. of Courses</i>
2. Demography II	681, 685, 687-9
3. One of the following:	
(i) Methods of Sociological Study	863, 980
(ii) Sociology of Development	869
(iii) Economics of Poor Countries and their Development	87-90a
(iv) Economic Growth Historically Considered	282
(v) Problems of Public Health and Socio-medical Research	693
(vi) Statistical Theory	983, 983a
(vii) Any other subject approved by the candidate's teachers	—

#### IV. Economics

The examination will consist of four papers as follows:

	<i>Reference Nos. of Courses</i>
1. Economic Theory I	53-4a, 56-8b, 60, 60a
2. Economic Theory II	53-5a, 57-9a
3. Methods of Economic Investigation	53, 53a, 57-8b, 61, 61a
4. One of the following (one paper):	
(i) Advanced Economic Theory I: Theory of Economic Growth	62, 62a, 64
(ii) Advanced Economic Theory II: Linear Economic Models	63-4
(iii) Advanced Economic Theory III: Theory of Investment Planning	65
(iv) History of Economic Thought	30-1, 66, 66a
(v) Theory of Comparative Cost and Commercial Policy	67, 67a, 69-70
(vi) Theory of Optimal Decisions	39, 71-2, 916
(vii) Labour Economics	73, 73a, 101
(viii) Monetary History and Analysis of Monetary Institutions	—
(ix) Analysis of Monetary Institutions and Monetary Theory	74-6
(x) Economics of Public Enterprise	—
(xi) Economics of Transport	52, 77-80, 110
(xii) Public Finance	72, 81-3, 101, 475
(xiii) Economics of Industry	84-6
(xiv) The Economics of Poor Countries and their Development	50, 87-91, 101
(xv) Agricultural Economics	92-5
(xvi) Economic Aspects of Accounting	151, 155, 155a, 168, 170-1, 940
(xvii) Soviet Economic Structure	89-90(a), 96-7, 99-100
(xviii) Theory and Implementation of Detailed Planning	89-90(a), 97-100
(xix) International Monetary Economics	68, 68a, 70
(xx) Economics of Education and Human Capital	101-4, 124, 970
(xxi) Urban Economics	79-80, 83, 105-110, 243-4, 997

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	<i>Reference Nos. of Courses</i>
(xxii) Marx's Economics in the Light of Contemporary Economic Analysis	113, 113a
(xxiii) Any other field of Economics approved by the candidate's teachers	—

In exceptional circumstances (for example, where the M.Sc. Committee is satisfied that a candidate has already attained the appropriate standard in one of the compulsory papers) a candidate may, subject to the approval of his teachers, substitute for one of the papers under 1, 2 or 3 a second paper in the subject selected under 4 or a paper in a second subject under 4.

**Note** In session 1971-72 no teaching will be offered for papers (viii) and (x).

**V. Econometrics and Mathematical Economics**

The examination will consist of four papers as follows:

	<i>Reference Nos. of Courses</i>
1. <i>Either</i> (i) Quantitative Economics I (one paper) or (ii) Quantitative Economics II (one paper)	114-5 114, 116
2. <i>Three</i> of the following:	
(i) Quantitative Economics I ( <i>not if taken under 1 (i)</i> )	114-5
(ii) Quantitative Economics II ( <i>not if taken under 1 (ii)</i> )	114, 116
(iii) Econometric Theory I	119-20, 966-7
(iv) Econometric Theory II ( <i>available only to candidates taking 2 (iii)</i> )	119-20, 968
(v) Advanced Mathematical Economics I	117-8, 916
(vi) Advanced Mathematical Economics II ( <i>available only to candidates taking 2 (v)</i> )	117-8, 916-7
(vii) Advanced Mathematical Programming	984, 984a, 986-7
(viii) Any other subject approved by the candidate's teachers	—

Subject to the approval of the candidate's teachers, a candidate may substitute a record of practical work or an extended essay for one of the papers under 2.

**VI. Economic History**

The examination will consist of three papers and an essay written during the course of study. The candidate's choice of papers and essay title will require the approval of his supervisor.

	<i>Reference Nos. of Courses</i>
1. The sources and historiography of Economic History in one of the following periods:	
(i) England 1350-1500	278
(ii) England in the 17th century	263, 279
(iii) Britain 1783-1850	264, 266, 280
(iv) Britain 1900-1950	264, 280
(v) U.S.A. 1890-1929	267(iii), 281
2. <i>Either</i> a second paper under 1 or a paper on a specified period in the Economic History of Great Britain or the U.S.A.	

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	<i>Reference Nos. of Courses</i>
3. An essay of about 10,000 words on an approved topic relating to the period chosen for paper 1	—
4. <i>One</i> of the following:	
(i) Economic Growth Historically Considered	282
(ii) Social Structure and Social Change	—
(iii) The History of Science and Technology in Western Europe in <i>either</i> 1500-1750 or 1750-1900	—
(iv) The Economic Geography of the U.S.A.	—
(v) The History of Economic Thought	66, 66a
(vi) The Regulation of Industry by Government in the U.S.A.	—
(vii) Elementary Statistics	—
(viii) British Labour History 1815-1939	277
(ix) The Population of the United States of America from Colonial Times to the Present	285

**VII. Geography**

The examination will consist of four papers as follows:

1. Modern Geographical Thought and Practice	228, 228a
2. Three papers taken in <i>one</i> or, in special cases <i>two</i> , of the following:	
(i) Economic Geography	} Appropriate courses, including Nos. 228-39, 241, 244 will be arranged in consultation with supervisors.
(ii) Historical Geography	
(iii) Social Geography	
(iv) Physical Geography	
(v) Cartography	
(vi) Geography of a Particular Region	

As an alternative to one of these papers candidates may submit an essay of not more than 10,000 words on an approved topic.

Candidates will also be required to show satisfactory evidence of acquaintance with field and other practical research techniques.

**VIII. Industrial Relations**

Candidates will be required to study the structure and functioning of systems of industrial relations in Britain, U.S.A. and other countries. The examination will consist of three papers and an essay or report of not more than 10,000 words on a topic approved by the School authorities, as follows:

1. Industrial Relations (two papers)	
2. One paper in one of the following:	
(i) Labour Economics	} Supervisors will recommend to candidates the courses appropriate for the option selected.
(ii) Labour History	
(iii) Labour Law	
(iv) Industrial Psychology	
(v) Industrial Sociology	
(vi) Manpower Planning	

**IX. International History**

The examination will consist of three papers, and an essay to be submitted in September. A knowledge of at least one European language in addition to English is essential.

1. One of the following general periods, including a knowledge of its sources and historiography:

- |                 |                |
|-----------------|----------------|
| (i) 1688-1740   | (iv) 1815-1870 |
| (ii) 1740-1789  | (v) 1870-1914  |
| (iii) 1789-1815 | (vi) 1914-1946 |

2. Diplomatic theory and practice in one of the following periods, to be selected with the appropriate period under paper 1:

- (i) 1500-1815
- (ii) 1815-1919
- (iii) 1919-1946

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. This paper will be selected from those available to candidates for the M.A. in International History and approved by the candidate's teachers.

4. An essay not exceeding 10,000 words on a topic within the field of the above three papers.

Courses by special arrangement.

A candidate who is successful in this branch may not enter for the M.A. in International History. A candidate who is successful in the M.A. in International History may not enter for this branch.

**X. International Law**

This branch of the M.Sc. is not offered at the School.

**XI. International Relations**

The examination will consist of three papers and an essay of not more than 10,000 words on an approved topic to be written during the course of study.

The three papers are as follows:

	<i>Reference Nos. of Courses</i>
1. International Politics:	581, 584, 592, 594, 597, 604, 609
2. Two of the following, to be chosen with the approval of the supervisor:	
(i) Foreign Policy Analysis	582-3(i), 584, 611
(ii) International Institutions	587-8, 590, 612, 614, 617, 630
(iii) European Institutions	467, 588-9, 614, 630
(iv) International Theory	598-602, 630
(v) The Politics of International Economic Relations	592-616
(vi) The Politics of International Law	603, 619
(vii) Strategic Studies	593-7, 606, 624-5, 627
(viii) War and Crisis in International Politics	594, 625

*Reference Nos. of Courses*

- (ix) International Politics: The Western Powers 583(i), 615
- (x) International Politics: The Communist Powers 583(i), 590, 618
- (xi) International Politics: Asia and the Pacific 583(i), 585, 584-5, 620
- (xii) International Politics: Africa and the Middle East 556-7, 583(i), 584, 621, 623
- (xiii) Any other subject of comparable range in the field of International Relations or one related thereto approved by the candidate's teachers.

**XII. Logic and Scientific Method**

The examination will consist of four papers either all from Option A or all from Option B. Either

<b>Option A: Philosophy of Science</b>	<i>Reference Nos. of Courses</i>
1. Elements of Mathematical Logic	492-3, 908
2. Advanced Scientific Method	485, 487, 490, 497
3. History of Epistemology	488, 490, 497
4. Philosophy of Mathematics	495
5. Foundations of Probability and Statistics	924-5a
6. Selected Topics in the History of Science and Mathematics	491, 495, 498
7. Methodology of the Social Sciences	486, 499

or

<b>Option B: Mathematical Logic and Philosophy of Mathematics</b>	
1. Mathematical Logic	493, 908
2. Advanced Mathematical Logic	494
3. Topics in the Foundations of Mathematics	494
4. Philosophy of Mathematics	495
5. Foundations of Probability and Statistics	924-5a
6. Selected Topics in the History of Science and Mathematics	491, 495, 498
7. Advanced Scientific Method	485, 487, 490, 497
8. History of Epistemology	488, 490, 497

**XIII. Management Studies**

The examination will consist of three papers to be taken in June and a report of not more than 10,000 words on a selected project to be submitted in the following September. For certain options a record of practical work assigned during the course will also be required.

A candidate's choice of options and project will be made subject to the advice and approval of his supervisor.

Candidates whose qualifications on admission are insufficient for their special subject

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will be required to spend not less than two years on the course and to pass a qualifying examination not later than the end of the first session.

A candidate is required to select one of the following subjects:

	<i>Reference Nos. of Courses</i>
<b>A. Accounting and Finance</b>	
1. Economic Aspects of Accounting	151-2, 154-5a, 157, 166, 168-171, 940
2. <i>Either</i> (i) Advanced Systems Analysis, or (ii) one of the following options: (a), (b), (c), (d), (e), (j), (k), (m), (o), (p)	950-1a, 993-4a —
3. One of the following options: (g), (h), (i), (n)	—
<b>B. Industrial Relations and Personnel Management</b>	
1. Industrial Relations and Personnel Management	345, 345b, 348-50a, 351a, 351b, 783
2. One of the following options: (e), (h), (i), (j), (k), (n)	—
3. One of the following options: (a), (c), (l), (m), (o), (p)	—
<b>C. Operational Research</b>	
1. Operational Research I	985-986(i)a, 991
2. <i>Either</i> (i) Advanced Systems Analysis or (ii) one of the following options: (a), (c), (d), (l), (o), (p)	950-951a, 993-994a
3. One of the following options: (b), (e), (g), (h), (i), (j), (k), (n)	—
<b>D. Systems Analysis</b>	
1. Advanced Systems Analysis	950-951a, 993-994a
2. <i>Either</i> (i) Operational Research I or (ii) one of the following options: (a), (c), (d), (f), (l), (o)	985-986(i)a, 991
3. One of the following options: (b), (e), (g), (h), (i), (j), (k), (n)	—
<b>Optional papers</b>	
(a) Computing and Data Processing	943, 950-951a, 989
(b) Commercial Law	—
(c) Design and Analysis of Statistical Investigation	963-965a
(d) Econometric Theory I	119, 119a, 966-8
(e) Economics of Industry	84, 84a
(f) Elements of Operational Research	957-958a
(g) Industrial Relations and Personnel Management for Non-specialists	345b, 355-6
(h) Industrial Psychology	723
(i) Industrial Sociology	351, 351a, 351b
(j) Labour Economics	73, 73a, 101
(k) Labour Law	357

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*Reference Nos. of Courses*

(l) Management Accounting	151, 151a, 154-5a, 940
(m) Management Mathematics	918, 918a, 955, 955a
(n) Manpower Planning	102, 354
(o) Statistical Theory	983, 983a
(p) Systems Analysis for Non-specialists	950, 950b

In *exceptional* cases one other paper from another branch of the M.Sc. may be substituted for one of the papers listed above, subject to the approval of the candidate's supervisor.

**XIV Operational Research**

The examination will consist of four papers (or three papers and a report on an approved project) and a record of practical work done during the course. The choice of special subjects must be approved by the candidate's teachers.

*Reference Nos. of Courses*

1. Operational Research I	985(i), 985(ii), 985a, 986(i), 986(i)a
2. Operational Research II	983, 983a, 995-996
3. <i>Two</i> (or <i>one</i> if a report on an approved project is submitted) of the following optional subjects:	
(i) Advanced Mathematical Programming	984, 984a, 986-987
(ii) Advanced Operational Research Techniques	960, 960a, 985(iii), 985(iii)a, 988, 988a, 998
(iii) Statistical Theory	983, 983a
(iv) Probability, Stochastic Processes and Distribution Theory	959-961
(v) Design and Analysis of Statistical Investigations	963-965a
(vi) Advanced Systems Analysis	950-951a, 993-994a
(vii) Advanced Scientific Method	485, 487, 487c, 490, 497
(viii) Econometric Theory I	119, 119a, 966-968
(ix) Economic Aspects of Accounting I	151, 155, 168, 170-171
(x) Economics of Transport	77-80, 110
(xi) Industrial Sociology	351, 351b, 783, 830
(xii) Mathematical Methods in Planning	79, 111, 243-244, 997
(xiii) Any other subject approved by the candidate's teachers.	—

*N.B.* A knowledge of mathematics and statistics to the level of the papers in Algebra and Methods of Analysis and Elementary Statistical Theory of the Part I examination of the B.Sc.(Econ) will be assumed. A student who applies without previous study of one or more of these subjects may be required to pass a qualifying examination before admission.

**XV. Planning Studies**

**Regional and Urban Planning Studies**

The examination will consist of three papers and *either* an essay *or* a report of practical exercises.

*Reference Nos. of Courses*

1. The Economics of Regional and Urban Planning	28(i), 28(ii), 28a, 111-2, 121, 240, 242
2. Administration in Regional and Urban Planning	240, 242, 549, 549a, 551, 551a
3. Geographical Aspects of Regional and Urban Planning	217, 228, 240-242

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- |  |                                  |
|--|----------------------------------|
|  | <i>Reference Nos. of Courses</i> |
| 4. Either an essay of not more than 10,000 words on an approved topic                          | —                                |
| or a report of not more than 10,000 words on practical exercises carried out during the course | —                                |

The essay or report on practical exercises must be submitted in September. Candidates must also satisfy the examiners that they have a sufficient level of attainment in statistics.

**XVI. Politics**

The examination will consist of four papers or three papers and an essay written during the course of study.

Candidates will be required to choose *one* of the following:

- |  |   |
|--|---|
|  | <i>Reference Nos. of Courses</i>                |
| 1. History of Political Thought  | 517-8   |
| 2. The Politics and Government of the United Kingdom   | 541   |
| 3. Comparative Government  | 454, 543  |
| 4. Political Sociology (This section of Branch XVI is offered jointly by the Government and Sociology Departments)   | 520-1, 531, 544-8, 833, 836, 840, 850, 871, 937 |
| 5. Theory and Practice of Public Administration  | 9, 533-4, 549-550, 552-5                        |
| 6. The Politics and Government of an approved country (other than the United Kingdom), a federation, association or group of countries; or the government and the economy of an approved country. (Candidates may be required to acquire a knowledge of an appropriate foreign language and will normally be required to do a minimum course of two years' study.) | 9, 556-9, 566-7                                 |

Candidates taking the M.Sc. in Politics are reminded that details of the syllabuses and papers will be found in the pamphlet *Graduate Studies in Politics*.

**XVII. Social Administration and Social Work Studies**

The examination will consist of three papers and an essay written during the course of study.

Candidates will be required to choose *one* of the following options. (Only candidates who have had field work experience in a social work agency and who satisfy the selection committee as to their personal suitability for social work will be considered eligible for option B.)

- |                                     |                                  |
|-------------------------------------|----------------------------------|
| <b>Either A</b>                     | <i>Reference Nos. of Courses</i> |
| 1. Social Policy and Administration | 745, 768                         |
| 2. <i>Two</i> of the following:     |                                  |
| (i) Medical Care                    | 769                              |
| (ii) Social Security                | 770                              |
| (iii) Welfare Services              | 771                              |

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- |  |                                  |
|--|----------------------------------|
|  | <i>Reference Nos. of Courses</i> |
| (iv) Housing and Town Planning   | 112, 551, 772                    |
| (v) Community Development  | —                                |
| (vi) The Sociology of Family Law   | —                                |
| (vii) Educational Administration   | 773, 976                         |
| (viii) A paper from another Branch of M.Sc. study (with the consent of the candidate's teachers) | —                                |

3. An essay of not more than 10,000 words on a topic approved by the candidate's teachers

**N.B.** The essay must be presented in June.

**Note** In session 1971-72 there will be no teaching for paper A2(v).

**Or B**

- |  |   |  |
|--|---|--|
| 1. Social Work Studies                 | } | Supervisors will recommend appropriate courses for option B. |
| 2. Social Problems and Social Services |   |  |
| 3. Mental Health and Mental Disorder   |   |  |

Candidates for option B must also attain a satisfactory standard in field work. The assessment of field work will be based on supervisors' reports and on an essay dealing with an aspect of this work approved by the candidate's teachers.

**N.B.** The essay must be presented in September.

**XVIII. Social Anthropology**

This branch of the M.Sc. is not offered at the School.

**XIX. Social Psychology**

The examination will consist of a record of practical work, the presentation of a report on a project and *three* papers selected from the following:

- |  |                                  |
|--|----------------------------------|
|  | <i>Reference Nos. of Courses</i> |
| 1. Child Development and Socialisation   | —                                |
| 2. Language, Thought and Communication   | 715                              |
| 3. Groups and Group Functioning          | 719                              |
| 4. Social Psychology of Organizations    | 717                              |
| 5. Social Psychology of Conflict         | 720                              |
| 6. Communication and Attitude Change     | 714                              |
| 7. Social Psychology of Education        | —                                |
| 8. Person Perception                     | 721                              |
| 9. Interpersonal Behaviour <sup>1</sup>  | 722                              |
| 10. Personality                          | 718                              |
| 11. Selected Issues in Social Psychology | —                                |

Essays written during the session will also be assessed and will form an integral part of the examination.

One paper from another branch of the M.Sc. in the Faculty of Economics may be substituted for one of the papers if the candidate's teachers approve.

Not all options may be available every session.

**Note** In session 1971-72 no teaching will be offered for papers 1 and 7.

<sup>1</sup>Subject to University approval

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### XX. Sociology

For examination in 1972 only, the examination may be taken in one of the following ways:

- (i) by four papers
- (ii) by three papers and an essay
- (iii) by two papers and two essays

The compulsory subjects (1. Sociological Theory and 2. Methods of Sociological Study) will be examined by papers. If two essays are submitted they must be on two different subjects, one of which must be selected from the list of optional subjects. The essays will each be of a maximum length of 10,000 words.

1. Sociological Theory
2. Methods of Sociological Study

#### Reference Nos. of Courses

833, 840, 843, 860-2  
863-4, 920, 920a, 936, 980

3. Two of the following:

- (i) Social Structure of Industrial Societies 865
- (ii) Sociology of Education 866
- (iii) Sociology of Deviant Behaviour 867
- (iv) Sociology of Religion 849, 868
- (v) Industrial Sociology 350, 350a
- (vi) Social Structure and Social Change —
- (vii) Social Structure of Non-industrial Societies —
- (viii) Sociology of Development (with special reference to one region, e.g., Japan or Latin America) 869, 876
- (ix) Race Relations 870
- (x) Theories and Concepts of Political Sociology 520-1, 531, 544-6, 548, 836, 850
- (xi) Political Stability and Change 520-1, 531, 544-6, 548, 836, 850
- (xii) The Study of Political Behaviour 531, 545-6, 836, 850, 871
- (xiii) Medical Sociology 769
- (xiv) An essay of not more than 10,000 words on an approved topic, to be written during the course —

Practical work done during the year may be taken into account in the final assessment at the time of the examination.

In exceptional circumstances and by special permission of the School authorities a paper selected from 3 may be substituted for paper 1 or 2.

Candidates wishing to take a paper in Social Psychology as an optional paper in place of one of the above options may, with the approval of the School authorities, choose any one of the subjects offered in the M.Sc. in Social Psychology, but must take the examination at the same time as they take their other papers.

Note In session 1971-72 no teaching will be offered for papers (vi) and (vii).

Details of the three papers in Political Sociology (x), (xi) and (xii) may be found in the pamphlet *Graduate Studies in Politics* under the heading 'Political Sociology'. Candidates with a first degree in Sociology are reminded that they may apply for registration for the M.Sc. in Politics, Section 4, Political Sociology.

### XXI. Sociology with special reference to Education

This branch of the M.Sc. is not offered at the School.

### XXII. Sociology with special reference to the Sociology of Medicine

This branch of the M.Sc. is not offered at the School.

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### XXIII. Statistics

The examination will consist of three papers and a record of practical work<sup>1</sup> done during the course. The choice of papers must be approved by the candidate's teachers. The department reserves the right to cancel lecture courses for any option for which there are fewer than four candidates. In such cases candidates will be prepared for the examination by tutorials and directed reading.

1. Probability, Stochastic Processes and Distribution Theory
2. Statistical Methodology and Inference
3. Design and Analysis of Statistical Investigation
4. Selected Techniques and Model Building
5. Econometric Theory I
6. Advanced Mathematical Programming
7. Survey Theory and Methods
8. Educational Statistics
9. Mathematics (by special arrangement only)
10. Statistical Methods in Psychology (by special arrangement only)
11. Demographic Techniques and Analysis (by special arrangement only)
12. Any other topic approved by the candidate's teachers

#### Reference Nos. of Courses

959-961  
962-3, 966-8  
963-5a  
960, 960a, 969-973  
119, 119a, 966-8  
984, 984a, 986-7  
928, 974-5  
101, 103, 976-7

Note In session 1971-72 teaching may not be offered for paper 7.

### The Degree of M.A. in International History

The examination will consist of three papers and an essay. A knowledge of at least one European language in addition to English is essential.

1. One of the following general periods, including a knowledge of its sources and historiography:

- (i) 1688-1740
- (ii) 1740-1789
- (iii) 1789-1815
- (iv) 1815-1870
- (v) 1870-1914
- (vi) 1914-1946

2. Diplomatic theory and practice in one of the following periods, to be selected with the appropriate period under 1:

- (i) 1500-1815

<sup>1</sup>Course 979

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- (ii) 1815-1919
- (iii) 1919-1946

3. A special aspect, to be studied with the appropriate period under 1. Candidates will be expected to show knowledge of set printed sources and relevant monographs and articles.
4. An essay not exceeding 10,000 words on a topic within the field of the above papers.

The course will extend over one academic year, and the written examination will be held in June. The essay shall be presented not later than the end of September. Two copies must be submitted. They should normally be typewritten.

A candidate who has been successful at the examination for this degree may not enter for the M.Sc. branch IX. International History. A candidate who has been successful at the examination in the M.Sc. branch IX. International History may not enter for this degree.

A candidate who is permitted to re-enter with exemption from re-examination by written papers may re-present his essay at any time within a period not exceeding eighteen months from the date of the examiners' report. Examiners may, at their discretion, prescribe a minimum period to elapse before re-presentation.

### The Degree of M.A. in Area Studies

The University offers an M.A. degree in Area Studies, but candidates cannot apply direct to the School. They are advised to write for details to the Academic Registrar, University of London, Senate House, WC1E 7HU.

### The Degree of Master of Philosophy (M.Phil.) in the Faculty of Economics

The degree of Master of Philosophy in the Faculty of Economics is awarded by dissertation in the following fields of study:

Accounting and Finance	Geography	Politics
Business Administration <sup>1</sup>	Industrial Relations	Social Administration
Demography	International History	Social Anthropology
Econometrics	International Law	Social Psychology
Economic History	International Relations	Sociology
Economics	Operational Research	Statistics
	Philosophy	

#### Qualifications for Admission

A graduate who has not obtained at least a **second class (upper division)** in an honours degree of this University, or its equivalent in another university, will not normally be admitted to the School as a candidate for the M.Phil. degree.

<sup>1</sup>This subject is not offered at the School.

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A candidate whose initial qualification in the field of study he wishes to pursue is 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 he submits his dissertation.

#### The Course of Study and the Dissertation

The course of study will extend over not less than **two** academic years.

Students registering for the M.Phil. at any time other than the beginning of the session will be required to pursue a course of not less than two calendar years.

Each candidate will settle with his supervisor the subject and title of his dissertation and must have it approved by the University at least nine months before he submits the dissertation, which must not exceed 55,000 words. Candidates should bring the title for approval into the Graduate School Office before the end of the first session.

The thesis or dissertation must be written in English. The greater portion of the work must have been done after the registration of the student as a candidate for the M.Phil. The thesis or dissertation shall be either a record of original work or an ordered and critical exposition of existing knowledge.

The examination will consist of (a) a thesis, and (b) an oral examination which will include a test of the candidate's knowledge of the general background of his thesis.

A candidate will be permitted to enter at any time during the year provided that he has completed the prescribed course of study. A candidate will be permitted to submit his entry form and fee not less than two and not more than six months before he is eligible to submit his thesis for examination.

A candidate who is required to pursue a course of study extending over a specified number of academic years will be permitted to submit his thesis on or after 1 June in the year in which the course of study is completed.

If the thesis, though inadequate, shall seem of sufficient merit to justify such action, the examiners may, after having examined the candidate orally, recommend the University to permit the candidate to resubmit the thesis in a revised form within twelve months from the decision of the University with regard thereto. The examiners may, if they so desire, require the candidate to submit to a further oral examination when he presents the revised thesis for examination.

If the thesis is otherwise adequate, but requires minor amendments, and if the candidate satisfies the examiners in all other parts of the examination, 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.

A list of candidates for the M.Phil. examination, who have satisfied the examiners, will be published, arranged in alphabetical order, by the Academic Registrar. A mark of distinction will be placed against the names of those candidates who show exceptional merit. No unsuccessful candidate will be permitted to re-enter within one year of the date of his first entry without the permission of the examiners, save that a candidate who has failed in respect of his dissertation alone may re-present his revised dissertation at any time.

A candidate registered for the M.Phil. degree may, with the approval of his supervisor and of the School, be transferred to registration for the Ph.D. degree. Where this is permitted he may be allowed to count part of the period during which



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he was registered for the M.Phil. degree towards the registration period for the Ph.D. degree.

**Fees for the Examination**

Every candidate for the degree of M.Phil. must at each entry to the whole examination pay a fee of £25.

**The Degree of Master of Philosophy (M.Phil.) in the Faculties of Arts and Laws**

The M.Phil. by thesis or dissertation is awarded in the Faculty of Arts in:

- Anthropology
- General Linguistics and Phonetics
- Geography
- History
- Philosophy
- Psychology
- Sociology

Candidates for the M.Phil. in Anthropology or Geography will be examined by means of a thesis and an oral examination. Candidates for the M.Phil. in Sociology and in General Linguistics and Phonetics are required in addition to take two written examination papers. In Psychology the University may in certain cases prescribe written papers and/or practical examinations.

The M.Phil. by thesis or dissertation is awarded also in the Faculty of Laws.

**The Degree of Master of Laws (LL.M.)**

**Qualifications for Admission**

Candidates entering for the LL.M. examination after the minimum course of one year must have obtained either First or Second Class Honours at a first degree of the University of London or an approved equivalent degree.

There will be one examination paper in each subject. A candidate will be required *either* (i) to pass at one and the same examination in any *four* of the subjects, *or* (ii) in special circumstances and with the prior approval of the University to pass at one and the same examination in any *three* of the subjects, *and* in an essay of not more than 15,000 words on an approved legal topic. The essay must provide evidence of original work or a capacity for critical analysis, and must be written during the candidate's course of study. A candidate submitting an essay shall be examined orally on the subject of his essay unless the examiners otherwise determine.

**Note** Permission to take an essay will be granted only to candidates with particularly high entrance qualifications and will be subject to the approval of the candidate's supervisor and the University.

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**Course of Study**

The course will extend over not less than one academic year and the examination will take place once in each year in September.

The title of the essay must be submitted to the University for approval by 1 January of the year in which the candidate presents himself for the examination and the essay must be submitted in typescript in duplicate by 1 July of that year.

Every candidate must submit a form of entry duly completed, together with the appropriate fee, not later than 1 May.

The subjects of the examination are as follows:

1. Jurisprudence and Legal Theory<sup>1</sup>
2. Legal History
3. Administrative Law and Local Government Law<sup>1</sup>
4. Comparative Constitutional Law I
5. Comparative Constitutional Law II<sup>1</sup>
6. Comparative Constitutional Law III<sup>1</sup>
7. Company Law
8. Insurance (excluding Marine Insurance)<sup>1</sup>
9. Marine Insurance<sup>1</sup>
10. Carriage of Goods by Sea<sup>1</sup>
11. Maritime Law (excluding Carriage of Goods by Sea and Marine Insurance)<sup>1</sup>
12. Law of Personal Taxation
13. Law of Business Taxation
14. Law of Mortgages and Charities<sup>1</sup>
15. Law of Landlord and Tenant<sup>1</sup>
16. Planning Law<sup>1</sup>
17. Law of Estate Planning<sup>1</sup>
18. The Law of Restitution
19. Monopoly, Competition and the Law
20. The Principles of Civil Litigation
21. Comparative Law of Contract in Roman and English Law<sup>1</sup>
22. Comparative Criminal Law and Procedure
23. Comparative Conflict of Laws
24. Comparative European Law<sup>1</sup> (*Candidates taking the Soviet Law option for this subject may not take subject 25, Soviet Law*)
25. Soviet Law (*Candidates taking Section B of this subject may not take subject 26, Comparative Family Law. Candidates taking any part of this subject may not take the Soviet Law option for subject 24, Comparative European Law*)
26. Comparative Family Law (*Candidates taking this subject may not take Section B of subject 25, Soviet Law*)
27. History of International Law<sup>1</sup>
28. Law of International Institutions
29. Law of European Institutions
30. Air and Space Law<sup>1</sup>
31. International Law of the Sea
32. The International Law of Armed Conflict and the Use of Force<sup>1</sup>
33. International Economic Law
34. African Law<sup>1</sup>
35. The Law of Land and Natural Resources South of the Sahara<sup>1</sup>

<sup>1</sup>Seminars on these subjects will not be given at the School in the session 1971-72, but candidates wishing to study not more than two of them may take the relevant seminars at other colleges while registered at the School.

### Regulations for Diploma in Social Anthropology

36. Hindu Law<sup>1</sup>
37. Muhammadan Law<sup>1</sup>
38. Criminology
39. Industrial and Intellectual Property
30. Legal Aspects of Defence Studies<sup>1</sup>
41. Law of Treaties<sup>1</sup>
42. Methods and Sources of International Law<sup>1</sup>
43. Law of Management and Labour Relations
44. Human Rights.

A candidate may, in exceptional cases and by special permission of the University, select one (or two) of the following subjects in place of one (or two) of the preceding subjects:

45. Sociology of Family Law<sup>1</sup>
46. International Politics
47. International Theory

The selection of subjects available to part-time candidates who cannot attend during the day time is considerably restricted.

### Diploma in Statistics

The School offers a full-time course for graduate students leading to a Diploma in Statistics. For details about this diploma please see pages 225-6.

### Diploma in Social Anthropology

This diploma is awarded by the University of London and a full-time course of study is arranged by the School.

All diploma students are required to register as internal students of the University.

All students should read the *Regulations for Academic Diplomas*, which may be obtained from the Academic Registrar, University of London, Senate House, WC1E 7HU.

The School reserves the right at all times to withdraw or alter particular courses and course syllabuses.

The diploma course is open to:

- (a) Students of postgraduate standing whose undergraduate courses have in the opinion of the University included a suitable preliminary training.
- (b) Students who, though not graduates, have satisfied the University that their previous education and experience qualify them to rank on the same level as graduates approved under (a) for this purpose.

Students are required to attend a course of study approved for this purpose by the University, extending over two sessions. The course of study must, unless special exemption is obtained, be continuously pursued.

<sup>1</sup>Seminars on these subjects will not be given at the School in the session 1971-72, but candidates wishing to study not more than two of them may take the relevant seminars at other colleges while registered at the School.

### Regulations for Diploma in Social Anthropology

Candidates are required to take the following papers:

- (i) History and Theory of Social Anthropology
- (ii) Political and Economic Organization
- (iii) Values, Beliefs and Ritual
- (iv) and (v) *Two* of the following options:
  - (a) 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 for the diploma). Consideration will be given to the major indigenous institutions and their significance in modern conditions
  - (b) Applied Social Anthropology  
or Social Change in Developing Societies
  - (c) Social Anthropological Studies of Sectors of Complex Modern Societies
  - (d) General Principles of Linguistics  
or Anthropological Linguistics
  - (e) Primitive Technology
  - (f) An essay consisting of a paper of three hours, relating to a subject within the fields of the first three papers
  - (g) Primitive Art

Supervisors will recommend to candidates courses appropriate for this diploma.

A dissertation of not more than 30,000 words may be offered in lieu of papers (iv) and (v). The subject of the dissertation must be submitted to the candidate's supervisor by 1 January.

The examination is held once a year beginning on the second Monday in June. Every student entering for this examination must apply to the Graduate School Office by 1 March at the latest, for an entry form which must be returned to the University, duly completed with the certificate of course of study thereon attested in accordance with General Regulations for Approved Courses of Study, together with the proper fee, not later than 15 March. Candidates submitting original work in the form of a dissertation must submit two copies of the dissertation typewritten or printed, and bound in the prescribed fashion, not later than 15 May.

The fee is £18 for each entry to the examination.

At the discretion of the examiners there may be an oral or a practical examination in any subject, in addition to the written examination in that subject.

Candidates shall not be approved by the examiners unless they have shown a competent knowledge in all the branches prescribed for the examination.

A student shall enter for the whole examination at the end of his two-year course.

Enquiries about this diploma should be addressed to the Secretary of the Graduate School.

## Dates of Examinations

(INTERNAL STUDENTS)

1971-72

Entry forms for first-degree examinations should be obtained from the Registry (Room H310) at least one month before the closing date. After completion by the student of the appropriate section the form should be returned to the Registry, together with the relevant enclosures. The School will forward all first-degree examination forms to the University. A timetable of the examination is sent to each student by the University in advance of the examination.

Students registered in the Graduate School should obtain their entry forms from the Graduate School Office at least one month before the closing date.

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.

B.Sc.(Econ.) Final, Part I	
Entry closes	1 February 1972
Examination begins	8 June 1972
B.Sc.(Econ.) Final, Part II	
Entry closes	1 February 1972
Examination begins	22 May 1972
B.Sc.(Soc.)	
Entry closes	1 February 1972
Examination begins	1 June 1972
B.Sc. Degree (Faculty of Economics)	
(all years)	
<sup>1</sup> Mathematics	
Social Anthropology	
Social Psychology	
Sociology	
Entry closes	18 January 1972
Examination begins	To be announced
B.Sc. Degree (Faculty of Science)	
Geography (all years)	
Entry closes	18 January 1972
Examination begins	To be announced
B.Sc. Mathematics, Part II	
Entry closes	1 February 1972
Examination begins	To be announced
B.A. Final	
Entry closes	24 January 1972
Examination begins	1 June 1972

<sup>1</sup>For students registering in and after October 1971.

## Dates of Examinations

LL.B.

Entry closes	1 February 1972
Examination begins	To be announced

M.Sc.

Entry closes	1 February 1972 for June examination
	1 May 1972 for September examination

  Examination begins

Either 19 June 1972 or  
25 September 1972 according  
to subject

M.A.

Entry closes	1 February 1972
Examination begins	19 June 1972

LL.M.

Entry closes	1 May 1972
Examination begins	4 September 1972

Diploma in Anthropology

Entry closes	15 March 1972
Examination begins	12 June 1972

## Course in Trades Union Studies

The School offers a one-year course of study for men and women interested in the work of the trades union movement. The course, which provides a training in the social sciences with special reference to the development of trades unionism, is primarily intended for persons taking up responsible work in trades union organizations, though applications for admission from other qualified students will be considered. All 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 seven subjects for which lectures and special classes are provided. The subjects are:

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

Problems of human relations; the social organization of industry; industrial relations in overseas territories and the work of international organizations are covered in a series of lectures and classes.

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

On the completion of the course the student will receive a certificate from the School describing the work done and the standard reached during his 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 trades unions may be eligible for scholarships provided by the Trades Union Congress, to whom they should apply.

## 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 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 former student of the School who has attained distinction in the arts, science or public life, or any person who has rendered exceptional services to the School or to the arts, science or public life.

3. No full-time member of the staff of the School shall be elected an Honorary Fellow.

4. Not more than thirty Honorary Fellows shall be elected at the meeting of the Court of Governors to be held in the Michaelmas term 1958. Thereafter elections may be made annually in the Michaelmas term. In any year after 1958 the number of persons elected shall not, save for special reasons considered adequate by the Court, exceed ten nor shall there be included amongst them, save for the like reasons, more than three persons who are not former students of the School.

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 Academic Secretary not later than 31 May. Thereafter, unless successful or withdrawn, it shall be regarded as current for three successive years, 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 not earlier than 1 June nor later than 15 October 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.

## The Library

The British Library of Political and Economic Science, which is the 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 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 social, economic and international aspects of history. As well as treatises and some 11,800 non-governmental periodicals (of which 4,140 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 some 9,600 serials (of which 5,700 are received currently); 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 some 585,000 bound volumes; the total number of separate items is estimated at over two million. In some subjects within its field, the Library is surpassed only by smaller and more 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.

There is a full author catalogue typed on cards. The subject catalogue is published as *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 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 £1.25 a copy (plus postage).

The Library occupies a connected series of rooms on the north side of the School's main buildings in Houghton Street, Clare Market and Portugal Street. They include the only remaining part of the original School building of 1902, and later additions built partly with the aid of benefactions from the Rockefeller Foundation of New York. They are entered through a hall containing the counter for enquiries and the issue of books. There are seats for 1,064 readers. Immediately adjacent to the entrance hall is a room containing the catalogues and the most important bibliographies, encyclopaedias, directories etc. Reading rooms devoted to particular subjects or classes of material contain open-shelf collections amounting to some

## The Library

71,000 volumes. The Periodicals Room provides all readers with immediate access to the current numbers of some 600 periodicals. Three further reading rooms are reserved for research workers, and one for the teaching staff of the School.

The greater part of the Library's collections is housed in the reserve stacks, which occupy nearly the whole of the basements of the main School building. Readers are not normally admitted to these, but any book is issued on request for use in the reading rooms.

The School also possesses other libraries. The Teaching Library occupies a series of connected rooms in the East Building. Its stock of over 30,000 volumes contains additional lending copies of the more important books used by undergraduates and graduates taking courses, and there is also a short-loan collection of periodicals and photocopies of articles etc. In addition to lending books, this library is a place of study, with accommodation for 173 readers. A leaflet giving details of Teaching Library services may be obtained at the counter.

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 fifth floor of the Main Building.

A leaflet *Notes for Readers* 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) Intercollegiate students
- (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 Library*

the staff of the School, or by a letter of recommendation from a person of position. Evidence of membership of the Royal Economic Society, the Royal Statistical Society or the London School of Economics Society 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. The fees at present prescribed are, for persons in categories 2 (a) and (c), £5.25 for a permit valid for six months, £2.62½ for three months or £1.05 for one month. All fees are non-returnable.

3. Every registered student on his first visit must produce his School registration card to be endorsed by the appropriate Library officer. Every permit holder on his first visit must sign his name in a book kept for that purpose and may be required to sign on subsequent occasions.

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

4. The reading rooms are open normally on all working days during hours prescribed from time to time. They are closed on Sundays and on certain other days as prescribed. (The hours of opening prescribed at present are from 10 a.m. to 5.50 p.m. on Saturdays, and from 10 a.m. to 9.20 p.m. on other days. On Mondays to Thursdays in term for most of the session the Library remains open, with a limited service, to 10.30 p.m. The days of closing prescribed at present are: six days at Christmas, six days at Easter, the Spring and late Summer Bank Holidays, and all Saturdays in July and August.)

5. Readers must not bring attaché cases, overcoats, hats, umbrellas or other impedimenta into the Library. All such articles can 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 rooms in the main Library.

7. Readers who have finished with books taken from the open shelves in any of the rooms should return them without delay to the returned-book stack in the room from which they have been taken, or preferably to their places on the shelves.

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 uncancelled.

9. 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.

Members of the School staff may borrow books subject to the prescribed conditions.

### *The Library*

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

10. Graduate students, upon completion of the prescribed vouchers, may keep books from the reserve stacks in their individual lockers in the research reading rooms. They will be responsible for books so held by them, and the books must remain accessible to the Library staff in the event of their being required by other readers.

11. Graduate students of the School 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 Great Britain.

(iii) Graduate students may not borrow more than six books 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) The prescribed loan voucher must be completed and handed in before any book is removed.

(vi) Books borrowed during the term are due back on the last day of term, but they will be subject to recall at any time if required for use in the Library. Books borrowed during the last week of any term will be due for return at the end of the first week of the next term, but will also be subject to recall.

12. 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.

13. 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.

14. 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.

15. Eating, drinking and smoking are forbidden within the Library.

16. No reader may enter the Library basement or any other part of the Library not open to general readers without special permission.

17. 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 injures the property of the Library in any way will be required to pay the cost of repairing or replacing the injured property, and may be debarred from further use of the Library.

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

19. Silence must be preserved in the reading rooms and on the central staircase and landings.

20. 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 the Librarian to be sufficient.

## 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 obtain a ticket entitling him 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 about 950,000 volumes of books and periodicals, many of which may be borrowed for home reading. There are reading places for about 600, arranged in general reading rooms where there are collections of reference books and bibliographies, and in special rooms for Periodicals, British Government Publications, Geography and Maps, Palaeography, Philosophy, Psychology, United States and Latin American Studies, and Music. The Goldsmiths' 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 of works published before 1850.

Photocopying facilities include coin-operated machines in the Library and a photographic department in the basement, which can supply microfilms, slides, enlargements and other photographic copies.

### Hours of Opening

**Monday to Friday during the session: 9.30 a.m. to 9 p.m.**  
(book-stack service 10 a.m. to 6.30 p.m.)

**Saturday and during the Summer vacation: 9.30 a.m. to 5.30 p.m.**  
(book-stack service 10 a.m. to 5 p.m.)

## The Economists' Bookshop

The Economists' Bookshop, owned jointly by the School and *The Economist*, was established in 1947 to provide a service to the staff, students and Library of the School and, through its mail order trade, to the world community of social scientists. The Bookshop's Board of Directors is composed equally of representatives of the School and of *The Economist*. From small beginnings it has grown in recent years 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, the Bookshop has a Mail Order Department in Hampstead Road, and a separate shop selling secondhand books, new paperback fiction and stationery in Portugal Street. Over 8,000 titles are regularly held in stock, including a wide range of paperbacks and pamphlets. It also operates a bookstall at the London Graduate School of Business Studies in Regent's Park.

## 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 one or other of the well-known British and American publishers.

### Journals

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

### The L.S.E.-Weidenfeld and Nicolson Imprint

The School has appointed Weidenfeld and Nicolson as its publisher, and books sponsored or initiated by the Publications Committee of the School are now produced under a joint imprint of the School and Weidenfeld and Nicolson. Any present or former member of the School's staff, or any present or former student, may submit either finished manuscripts or ideas for books to the Publications Committee; the Committee itself, together with the publisher, initiates schemes for books and series of books.

With certain exceptions, authors will sign a separate contract with the publisher in the normal way, and can expect a scale of remuneration that should compare favourably with what they might get elsewhere. The exceptions will be books that are judged commercially 'difficult'—the specialised monograph, the occasional paper, and so on; these may be published on a commission basis, and it may not always be possible to give authors full commercial rates of royalty.

The object of these arrangements is to provide a first-class and ready-made vehicle for the publishing of such works of scholarship as staff and students may wish to offer. It will perhaps be of most value to those whose existing publishing arrangements may be proving unsatisfactory, or to those who are looking for a publisher for the first time.

Anyone interested should get in touch with any member of the Publications Committee (see pages 44-5), or with the Publications Officer.

### Books and Pamphlets

In addition to the Weidenfeld and Nicolson scheme outlined above, the following series of books and pamphlets are issued for or by the School and its departments:

The New Series of Learned Works (G. Bell and Sons Ltd.)

Monographs on Social Anthropology (Athlone Press)

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

Papers in Soviet and East European Law, Economics and Politics (Athlone Press)

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

### *Publications of the School*

Occasional Papers on Social Administration (G. Bell and Sons Ltd.)  
Geographical Papers (Weidenfeld and Nicolson)  
L.S.E. Research Monographs Series (Weidenfeld and Nicolson)  
A London Bibliography of the Social Sciences (British Library of Political and Economic Science, L.S.E.)  
Monthly List of Additions to the Library  
Auguste Comte Memorial Lectures (Athlone Press)  
Hobhouse Memorial Trust Lectures (Athlone Press)  
Inaugural Lectures (G. Bell and Sons Ltd. and Weidenfeld and Nicolson)  
The Report Series of the Higher Education Research Unit (Oliver and Boyd)  
L.S.E. Studies in Education (Penguin Books)

## **Student Health Service**

The Student Health Service is situated on the eighth floor of Connaught House and its facilities are available to all students of the School. Although a general practitioner holds a surgery every day at the School, students are required to register with a doctor in the locality of their term-time address if their home is outside London. During the vacations when they are at home, they may obtain locally as temporary residents any medical attention required on the National Health Service.

The facilities of the Service are:

### **General Medical Care**

The School doctor holds a surgery daily, by appointment, from Mondays to Fridays in term time. Appointments to see him can be made in advance with the Nursing Sister. Students with urgent medical conditions will of course be seen without an appointment.

Students may obtain advice on all matters concerning health and illness. Those students who live within the practice area of the School doctor may with his permission register with him under the National Health Service. Those students who live outside his area can obtain advice about registration with other doctors.

A gynaecologist provides a clinic three times a fortnight in term time to advise women students. Appointments to see her should be made through the Secretary of the Health Service.

An ophthalmic surgeon is available once a week in term time to carry out eye tests. An optician is also present at the same time. Appointments to see the ophthalmic surgeon may be made through the Secretary of the Health Service.

The Nursing Sister is available daily in term time to give advice. She will also arrange immunisation and vaccination procedures. Her surgery hours throughout the term are 9.30 a.m. to 1 p.m. and 2.30 p.m. to 5.30 p.m. from Mondays to Fridays.

### **Psychiatric Advice**

The full-time director of the Health Service is a psychiatrist and is assisted by two part-time psychiatrists. They are available daily by appointment to give advice about psychological problems, whether related to work, or of a more personal nature. It is important to emphasise that all psychiatric consultations are completely confidential. Appointments to see any of the psychiatrists may be made through the Secretary of the Health Service.

### **Dental Treatment**

The Health Service operates a full-time dental practice. Dental treatment is available to all students under the National Health Service and according to its rates. Appointments should be made through the Secretary of the Health Service.



## Careers

Many careers are now open to university graduates in the Social Sciences and in Arts. They can offer work of great interest and responsibility and the degrees offered by the School are of value in any occupation that calls for a trained intelligence and an understanding of the contemporary world. Our graduates have been able to seek employment from a wide range of occupations requiring people who are well educated, broadly informed and mature in outlook. Employers need and seek graduates who are well qualified academically; they also look for men and women with the ability to exercise judgment, to make decisions and to exhibit powers of leadership and control. These qualities cannot all be assessed merely from the type or class of degree obtained. The possession of a degree, irrespective of subject, is only the first criterion that interests the majority of employers, though expert or specialist posts clearly demand an appropriate training. Even then, specialist graduates may find that they have to compete eventually with non-graduates who have moved into specialist jobs by chance, because of natural aptitude for a particular type of work or by acquiring specialist training outside university. Many graduates today assume that they are superior to the non-graduate. This is an understandable attitude of mind, but graduates are entitled to this self-confidence only if they accept the need to justify it by subsequent performance.

The choice of career, then, is wide. Experience suggests that of those who take the B.Sc.(Econ.) degree a considerable number finds employment in industrial and commercial management, enters the teaching profession or goes on to undertake academic research. Others are widely spread in finance; in expert posts as economists, lawyers or statisticians in industry and commerce; in government service; in journalism and librarianship; and in advertising and market research. Broadly speaking, our graduates can realistically consider the following areas of employment: education, the civil service, local government, the social and health services, private and nationalised industries, commerce, H.M. services. In addition there are opportunities overseas and a limited number in various cultural organizations.

Many graduates enter the educational field, either as school teachers or as lecturers in establishments of further education. Graduates obtaining their degrees in or after 1970 must complete a course of professional teacher training before they can teach in primary schools. The government intends that those obtaining their degrees in or after 1973 should complete a course of professional teacher training before they can teach in secondary schools. A higher degree is usually necessary for the graduate who seeks a university post.

The civil service offers an immense variety of career opportunities for graduates, including specialist posts in economics, psychology, law and statistics. There are opportunities for research and investigation, primarily for economists, geographers, psychologists and social scientists. In addition, graduates are needed for the Tax Inspectorate, Factory Inspectorate and the Department of Employment. Following the recommendations of the Fulton Committee on the Civil Service, the Administrative, Executive and Clerical Classes of the Home Civil Service were merged from the beginning of 1971 into a single Administration Group, and there is now a new recruitment scheme whereby graduates are able to enter the Group either at the

## Careers

Administration Trainee or Executive Officer level of entry. Promotion to the higher posts in the Service is open to everyone, depending upon ability, but it does not rest on the method or level of entry to the Service. Under the new regulations the minimum qualification for entry to the Diplomatic Service and the Administration Trainee grade is a degree with honours. Final-year students are eligible to apply.

Local government employs an increasing number of graduates. Normally they join a local authority as specialist administrators or become specialist practitioners in law, finance, librarianship, town planning or housing management and welfare. An appropriate professional qualification is needed for these expert categories of employment.

The B.Sc. (Sociology) degrees, the B.A. degree in Sociology and the diploma in Social Administration awarded by the School are recognised initial qualifications for employment in some areas of social administration. They also provide the necessary basic qualification for *training* in social work for such fields as those of medical and psychiatric social work, child care, probation and family casework. Since maturity is an asset in all branches of social work, a degree course is recommended for those starting under the age of twenty-one. In most cases further specialised training lasting at least one year is necessary for these careers and students should, therefore, be prepared to undertake this. Details of diplomas offered by the School are given on pages 212-26.

Many firms in private industry, together with the nationalised industries, offer graduate traineeships and direct appointments for a wide range of jobs in production, marketing, finance, personnel and management services. Banks, insurance companies and retailing organizations all need graduates, as do the professions of accountancy and law. Economists may make use of their specialised knowledge in economic forecasting and intelligence, while there is a growing demand among stockbrokers for investment analysts. Limited openings for graduates in any subject may be found in advertising agencies, journalism and market research.

It is worthy of note that the increased use made of statistics and, in particular, the development of mathematical and computational techniques offer great scope to the man or woman of mathematical ability. Equally, for many of our best graduates a fourth year of study may well prove fruitful as a career preparation; the rapid progress made in the social sciences means that it can take more than three years of study and a Bachelor's degree to make an expert economist, sociologist or statistician.

Possession of a university degree may result in a considerable shortening of the period of professional training. Thus, possession of the LL.B. degree leads to important exemptions from the Bar and Law Society examinations. The period for articles of clerkship for those who wish to qualify as solicitors is reduced to two and a half years for graduates of an approved university. Again, those who wish to become chartered accountants and who have taken Accounting and Finance as their special subject in Part II of the B.Sc.(Econ.) degree normally have their period of articles reduced from five to three years. They are also given exemption from the professional Intermediate examination, provided that the final degree examination is passed at the first attempt.

Finally, with regard to the choice of specialist or optional subjects, there is one golden rule to be followed: the subjects that a student should choose for his degree are those that he likes and is 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. But it is never too early to start thinking about a career and those who are in doubt should consult their tutors and the officers of the Careers Advisory Service. The University of London Careers Advisory Service maintains a permanent unit in the School. Students may consult the officers of the unit at any time during their courses, preferably not later than the second year of study, but it is open to all students to seek advice at any time before entry and after graduation if they so desire.

## Students' Union and Athletic Union

### Students' Union

The objects of the Students' Union are to promote the welfare and corporate life of the students, and, through the Union Council, to represent the students in all matters relevant thereto except those relating to Athletics.

The Unions main functions are to administer, supervise and improve Union premises, which include offices, a coffee bar, a bar and a shop; to represent student interests and co-operate with the School authorities in securing necessary improvements in student welfare; to provide a forum for the discussion of student affairs and interests and to approve and regulate the numerous student societies in the School.

Every regular and occasional student becomes a full member of the Students' Union on the payment of School fees, while students of other colleges attending the School for a course of lectures become associate members and are allowed to use the Union premises. Full members are also members of the Three Tuns Club and are entitled to use the Club's bar and other amenities.

The Union offices are situated in St. Clements building. Information concerning the Union, its services and activities, may be obtained from the Union offices.

Union meetings are held in the Old Theatre on Friday evenings during term. All students are urged to attend Union meetings, where they can help decide Union policy as well as take part in debates and discussions. Full details of meetings are published on the Union noticeboards.

The Union provides many useful services in the fields of social activities, student welfare and relations with outside student bodies. Among these services are: debates, socials, dances; advice and information on housing, grants and fees; a number of common rooms and other amenities; and cheap travel and vacation work obtained in co-operation with the National Union of Students.

Members of the Union who are regular students of 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.

The local branch of A.I.E.S.E.C. (Association Internationale des Etudiants en Sciences Economiques et Commerciales) is under the auspices of the external department of the Union and receives a grant from the department. A.I.E.S.E.C. organizes vacation traineeships for students in many countries and seminars on topics of current economic interest.

The Union magazine *Clare* was founded over seventy years ago, and is published twice a year. This is a magazine of special interest to students of the social sciences, with articles from staff, students and outside contributors. The Students' Union also publishes a fortnightly newspaper, *Beaver*.

### EXECUTIVE OFFICERS

*President*, ———

*Deputy President*, T. G. Jones

*Administrative Vice-President*, Hilary A. Chadwick

*Academic Affairs Vice-President*, I. B. Morley

*External Affairs Vice-President*, N. R. Spurrier

*Social Vice-President*, C. L. Attenborough

### *Students' Union and Athletic Union*

*Welfare Vice-President, J. E. Fisk*  
*General Secretary, C. Chesworth*  
*Senior Treasurer, S. O. Rabinowitz*

#### **Athletic Union**

All students are eligible to join the Athletic Union by becoming a member of any of its constituent clubs. The subscription charged for membership of the first club joined is fifty pence, and for any other club, twenty-five pence.

The following clubs are affiliated to the Athletic Union:

Association Football, Athletics, Badminton, Basketball, Canoe, Cricket, Cross-Country, Gliding, Golf, Judo, Mountaineering, Riding, Rowing, Rugby Football, Sailing, Squash, Table Tennis, Tennis.

Details about club activities may be obtained from the Athletic Union Office (S 110) or from the club noticeboards in the concourse area, St. Clements building.

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 recently acquired circuit room (E29) 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 Golf Club plays at Malden Golf Club; the Gliding Club uses Lasham Aerodrome, Hants.; the Canoe Club has a block booking with the Royal Canoe Club at Teddington. The Mountaineering Club meets in England and on the Continent.

There is an annual open day at New Malden. In the current session this will be Saturday, 10 June.

#### **EXECUTIVE OFFICERS**

*President, D. Burnside*  
*External Vice-President, K. Turner*  
*Malden Vice-President, S. G. Hazley*  
*General Secretary, J. E. Horsthuis*  
*Assistant General Secretary, Angela D. Rumble*  
*Treasurer, K. M. Carroll*

## **Residential Accommodation**

The School does not keep an index of lodgings suitable for students, but those who require help in finding accommodation may consult the University of London Lodgings Bureau, University of London Union, Malet Street, WC1E 7HY.

The Bureau maintains a register of addresses of various types in most districts of London, and each student's requirements are carefully considered. During term time a personal interview, for which an appointment must be made, is desirable; but from the end of the Summer term to October students should apply by post.

In choosing lodgings students should bear in mind that it is possible to take lodgings which provide either bed and breakfast or bed and breakfast with a regular evening meal in addition. Anyone whose tastes are likely to lead him to enter very fully into the life of the Union and its societies, or to spend his evenings in the Library, will be well advised to seek lodgings of the former type; those who prefer to study in their own rooms may be better suited by the latter type.

The fees for halls of residence, stated on the following pages, are those which are in force at present, but they are liable to amendment.

### **Halls of Residence for Men and Women**

#### **Passfield Hall**

Endsleigh Place, WC1H 0PW

(Warden: J. A. W. Forge, M.A.)

This hall of residence is provided by the School for men and women students of the School. It is in Bloomsbury, situated in the north-west corner of Tavistock Square, and is twenty minutes' walk from the School.

There is accommodation for about 160 students in single, double, and treble study-bedrooms. The fees, including Common Room subscription, are at present £222.60, £210.00 and £195.30 per session respectively, payable by terminal instalments in advance.

Fees cover breakfast and dinner, and all meals on Saturdays and Sundays. Washbasins and fires with slot meters are provided in all rooms.

Application should be made to the Assistant Registrar (Admissions) at the School, if possible by 15 May. Applicants are selected for places towards the end of May each year, for the following October.

#### **Hughes Parry Hall**

Cartwright Gardens, WC1H 9EF

(Warden: Dr. J. Lewins, M.A., M.Sc., Ph.D.)

Hughes Parry Hall, opened in 1969, provides accommodation for 275 men and women students. There are 245 single rooms and 15 double rooms, together with common rooms, library, games room, two squash courts and laundry.

Fees for the thirty-week session: £235.20 (single room), £223.70 (shared room).

### *Residential Accommodation*

Fees cover breakfast and dinner, Mondays to Fridays, and full board at weekends.

Please state whether man or woman when requesting application form from the Warden.

## Halls of Residence for Men

### **Carr-Saunders Hall**

Fitzroy Street, W1P 5AE.

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

Carr-Saunders Hall, a new hall of residence for men students of the School, built with funds provided by an anonymous benefactor, is a few minutes' walk from the junction of Tottenham Court Road and Euston Road and twenty-five minutes' walk from the School.

There is accommodation for about 148 students in single and double study-bedrooms. The fees are at present £234 and £219 per session respectively, payable by terminal instalments in advance and in addition there is a Common Room subscription (at present £1 per term).

Fees cover breakfast and dinner and all meals on Saturdays and Sundays. Washbasins are provided in all study-bedrooms, which are centrally heated.

Application should be made to the Warden by 15 May, for admission in the following October.

### **Commonwealth Hall**

Cartwright Gardens, WC1H 9EB

An intercollegiate hall of residence for 400 men from the United Kingdom and overseas. Accommodation almost entirely in single study-bedrooms. Squash courts, table-tennis room, billiards room, library, common rooms, television rooms, drip-dry laundry rooms. Central heating. Selection is made after consideration of the individual student's needs and his ability to benefit from and contribute to life in a residential community.

Fees: £235.20 (single room) and £224.70 (double room) per session of about thirty weeks. This includes breakfast and dinner during the week, and full board at weekends.

Application forms may be obtained from the Secretary of the Hall and must be returned by 31 May.

### **Connaught Hall of Residence**

36-45 Tavistock Square, WC1H 9EX

An intercollegiate hall of residence for men; 194 places, mainly in single rooms. The rent of the study-bedrooms, including breakfast and dinner, and also lunch at weekends, is £240 per session of thirty weeks.

Application forms may be obtained from the Warden, Professor D. M. Lang, and should be returned to him before 31 May.

### *Residential Accommodation*

## **International Hall**

Brunswick Square, WC1N 1AS

International Hall accommodates 438 men students. Half the rooms are reserved for students from overseas. There are 10 double rooms and 418 single rooms.

Fees: £240 (single room) and £224.70 (for share of double room) per session of thirty weeks. This includes breakfast and dinner from Mondays to Fridays inclusive, and breakfast, lunch and supper on Saturdays and Sundays.

Application forms may be obtained from the Hall Secretary and should be returned by 31 May.

## **International Students House**

1-6 Park Crescent, W1N 3HE (immediately opposite Gt. Portland St. Tube Station)

International Students House, on the edge of Regent's Park, offers study-bedroom accommodation and club facilities to men and women students from the United Kingdom and overseas. There are flats for married students and a very limited number for married students with children. A very full programme is organized; there is an information officer who will give advice on careers, courses, travel, living in London etc., and a student adviser who will help with problems of welfare, accommodation and personal matters. Visitors are most welcome.

Fees (for long-term residents): £5.95, £5.25 and £4.55 per week for single, double and treble rooms respectively. This includes bed and breakfast.

Early application is advised. Forms may be obtained from the Warden.

## **London House**

Mecklenburgh Square, WC1N 2AB

London House has accommodation for 350 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 was established by the Dominion Students' Hall Trust.

Fees for residence (excluding meals) vary between £5.60 and £6.30 per week, but there are a few shared rooms at cheaper rates. All meals are available in the dining hall (cafeteria system).

The House is close to three London Transport stations: King's Cross (Metropolitan and District Lines), Russell Square (Piccadilly Line), Chancery Lane (Central Line). It is within easy walking distance of the School.

Application should be made direct to the Controller, London House, giving as much notice as possible.

## Halls of Residence for Women

Canterbury Hall, College Hall and Nutford House are under the authority of the Halls of Residence Committee of the University of London. Only full-time students of the University are eligible for admission. An application form and information

### *Residential Accommodation*

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 March for admission the following October. There are occasional vacancies in the course of the academic year.

#### **Canterbury Hall**

Cartwright Gardens, WC1H 9EE

(Warden: Miss V. McCririck, M.A., L.R.A.M.)

Opened in November 1946, for 222 women students; accommodation is in 214 single and four double study-bedrooms, all with central heating; there are common rooms, a concert hall, chapel, library, games room and squash court. Fees for the thirty-week session: £245.70 (single room with own bathroom), £235.20 (single room) and £224.70 (double room). Fees cover breakfast and dinner, Monday to Friday and full board at weekends.

#### **College Hall**

Malet Street, WC1E 7HZ

(Warden: Mrs. J. M. Witt, B.Sc.)

Opened in 1882 and transferred in 1932 to a new building in the University precinct; 220 residents are accommodated in 108 single and 56 double study-bedrooms, all with central heating and handbasins; there are common rooms, libraries, games room, studio and laundries. Fees for the thirty-week session: £224.70-£235.20. Fees cover full board (except lunch from Monday to Friday).

#### **Nutford House**

Brown Street, off George Street, W1H 6AH

(Warden: Mrs. M. J. F. Barnett, M.A.)

Opened in 1949 for 124 women students and since extended to take 194; accommodation is in 148 single rooms and 23 double rooms, most of them with some central heating; there are common rooms and laundries, a library and games room. Fees for the thirty-week session: £225 (single) and £216 (for share of double). Fees cover breakfast and dinner, Monday to Friday, and full board at weekends.

#### **William Goodenough House**

(The Dominion Students' Hall Trust)

Mecklenburgh Square, WC1N 2AN

William Goodenough House accommodates 113 postgraduate women students from the British Commonwealth and the United States of America. In addition there are 59 self-contained flats for married students.

Fees, including breakfast, are from £4.90-£6.65 per week. All other meals are

### *Residential Accommodation*

available on a cafeteria system. The rooms are single study-bedrooms with central heating and with electric fires on a meter system. There are ample common rooms.

Application should be made, well in advance, to the Controller.

#### **Lillian Penson Hall**

Talbot Square, W2 1TT

(Warden: K. G. T. McDonnell, B.Sc. (Econ.), Ph.D. Telephone: 01-262 2081)

Lillian Penson Hall, formerly a large hotel, is a hall of residence for postgraduate men and women students. It includes single and double study-bedrooms, each with private bathroom, telephone extension and central heating; there are also a few flats available for married couples without children. Meals may be bought in the dining room.

Fees cover the rent of rooms only and vary according to the accommodation provided. The rent for a single room is £26.40 per month and for a double room £33. There are some rooms with kitchens or cooking facilities at £38.30 or £52.70 and a few flats with double bedrooms, sitting room and kitchen at £62.70.

#### **Flats**

##### **Anson Road and Carleton Road**

The School has 18 flatlets at 83 and 83a Anson Road, N7 0AS, and 73 Carleton Road, Tufnell Park, N7 0ET, which are available for letting to married full-time students of graduate status. The flats are self-contained and consist of either one room or two rooms, plus a kitchen and a bathroom. Rents at present vary between approximately £5 and £8.50 per week, including a hire charge for furniture. Applications for flatlets, for which there is generally a waiting list, should be made to the Assistant Bursar of the School.

##### **Fitzroy Street Flats**

12-16 Fitzroy Street, W1P 5AE

(Academic Resident: D. K. C. Jones, B.Sc.)

The lease of this newly erected block of flats adjoining Carr-Saunders Hall was obtained by the School in 1970. There is accommodation for men and women student residents in 26 double and 13 treble furnished flatlets. Any full-time student of the School may apply except that in the case of married couples both must be currently registered students of the School. The double flatlets consist of one large room with adjoining fitted kitchen, small hall and bathroom, the whole forming a self-contained unit. The treble flatlets are similar, but have an additional room. Although there are no communal rooms in the block, the common room and bar facilities of Carr-Saunders Hall are available to residents by courtesy of the students of Carr-Saunders Hall, and the University Union is within five minutes' walking distance.

The rent is at present £4.20 per week per resident for a thirty-nine-week period of

### *Residential Accommodation*

letting, beginning in early October. This does not cover the cost of gas for cooking or electricity for heating and lighting; the residents of each flatlet are billed periodically for these expenditures. Use of the basement garage is available to residents at an extra charge.

Applications on the prescribed application form, should be submitted to the Academic Resident, Carr-Saunders Hall, Fitzroy Street, London W1P 5AE.

### **Afsil House**

Afsil Limited, a Housing Association formed by a number of London colleges including the School, provides a number of furnished flats for married graduate students at Afsil House, Saffron Hill, Holborn Viaduct, EC1N 8QL, about ten minutes' walk from the School. Eight of these are reserved for students of the School. In allocating the flats preference is given to students from the British Commonwealth. Most of the flats are suitable for childless married couples only, but there are a few which could accommodate a couple with a small child. Most of the flats, which are self-contained, consist of a living room, bedroom, kitchen and bathroom. Rents, which include central heating and the hire of furniture, are about £7.50 a week plus rates. Applications for the flats should be made to the Assistant Bursar of the School.

## **The London School of Economics Society**

### **HONORARY OFFICERS AND COMMITTEE, 1971**

*President:* G. C. Brunton

*Deputy President:* R. J. Hacon

*Life Vice-President:* Dr. Vera Anstey

*Representatives of the London School of Economics Society on the Court of*

*Governors:* G. C. Brunton, W. H. B. Carey, R. J. Hacon

*Secretary:* Mrs. Myra S. Kaffel

*Entertainments Secretary:* Mrs. Eva Morris

*Treasurer:* J. B. Selier

*Editors of L.S.E.:* P. D. C. Davis, Mrs. Nell McGregor

*Editorial Consultant:* D. J. Kingsley

*Auditor:* J. W. Smith

*Committee Members:* The Officers, Editors of *L.S.E.* and R. W. Belben, Miss

Pamela Brain, Mrs. Elizabeth K. Collard, B. R. Crack, T. E. Dale, Mrs. Kay

Daniels, Mrs. Kim Knudsen, Mrs. Blanche H. M. Lucas, Miss Mary Matthews,

Professor W. A. Robson, Mrs. Kit F. Russell

Membership of the London School of Economics Society is open to past students of the School, day and evening, who have been full members of the Students' Union for at least one session, if so admitted by the Committee. Members of the School's staff who were not students at the School are eligible for membership. Persons not so qualified can be admitted to membership at the discretion of the Committee.

Members of the Society are granted various privileges in regard to the use of the School facilities. Subject to certain restrictions, they are entitled to free permits to use the School Library during vacations and in some cases during term. The magazine *L.S.E.*, published twice yearly, is sent to members free of charge, and there are occasional social events, including discussion meetings on subjects of general interest to members, a Saturday School on Social Science and an annual dinner.

The life subscription is £5 and the annual subscription £1. Application forms and information relating to the Society can be obtained from the Honorary Secretary at the School.

## Friends of the London School of Economics

### Trustees:

*Chairman:* G. Tugendhat

*Vice-Chairman:* Sir Paul Chambers

*Treasurer:* W. H. B. Carey

Sir Sydney Caine, L. Farrer-Brown, the Director, the Chairman of the Senior Common Room

*Secretary:* J. Alcock

In July 1957 an Association of Friends of the London School of Economics was formed. Membership is open to all former students of the School, present and past members of the staff, present and past Governors and any other persons or organizations interested in the welfare of the School. The principal object of the Association is to raise funds to provide for the School amenities which are important to its daily life, but which it cannot afford, either because of shortage of money or because it would not be appropriate to expend public funds on their acquisition. Since its foundation the Association has made many gifts to the School, some valuable in themselves, such as the three Persian carpets provided for the Founders' Room and furniture for the common rooms at Carr-Saunders Hall and Passfield Hall, and others whose usefulness is far in excess of their cost, such as the furniture for the roof gardens. Donations and gifts in kind of such items as pictures, plate, glass and silver are welcomed.

The Secretary will gladly send particulars of the Association on application. The annual subscription is two guineas or one guinea if paid under a seven-year deed of covenant. New members are urgently needed.

## Part III : Lecture Courses, Classes and Seminars

Part III of the Calendar groups courses according to subject, but regular students should understand that, beyond those which are restricted to certain students, they are at liberty to attend any course of lectures.

In this list of courses the following notation has been used:

1 B.Sc.(Econ.) degree. The title of the examination paper to which each course relates is given in *italics*, the number of a special subject in roman numerals, and the number of the paper in arabic numerals and letters of the alphabet; the relevant regulations are set out on pages 164-82.

2 If examination paper numbers are given for other first degrees, they are indicated by arabic numerals, letters of the alphabet and small roman numerals. The relevant regulations are set out on pages 183-208.

3 M.Sc. The branch is indicated by roman numerals and the subject by arabic and small roman numerals. The title of each subject is also given in *italics* and the relevant regulations are set out on pages 238-49.

A special series of public lectures tracing the development of the Social Sciences during the present century and showing the role of the School in these developments will be held at the School on Wednesdays, starting in December 1971.

## General Introductory Course

### 1 The Social Sciences: an Historical Introduction

Professor MacRae. Fourteen lectures, Michaelmas and Lent Terms.

Recommended for all first-year students.

## Development Administration

### 1 Social Structure in Developing Countries

Mr. Hardiman. Fifteen lectures, Michaelmas and Lent Terms.

Dr. D. G. Davidson. Fifteen lectures, Michaelmas and Lent Terms.

### 2 Social Structure in Developing Countries

Mr. Hardiman. Fifteen lectures, Michaelmas and Lent Terms.

Dr. D. G. Davidson. Fifteen lectures, Michaelmas and Lent Terms.

### 3 Social Policy in Developing Countries

Mr. Hardiman. Fifteen lectures, Michaelmas Term.

Dr. D. G. Davidson. Fifteen lectures, Michaelmas Term.



## Development Administration

### 6 Governmental Aspects of Development

Mr P. F. Dawson. Sessional.

For Dip. Development Admin.

**Syllabus** Structure of the modern state: constitutional frameworks; legislatures, executives and judiciaries; federalism; laws and conventions. Democratic institutions: representative institutions; electorates, parties and parliaments; political oppositions; self-government in economic, religious and voluntary organizations; public opinion. Problems in transplanting institutions. Government: character of the executive; the civil service; public corporations; local government; political-administrative relations. Political systems: political power and its relation to authority; nationalism, communism and the modern state; historical and economic conditions of democracy; political aspects of economic and social change. Government in relation to economic and social development: the functions of government; the scope and problems of governmental planning; planning, politics and administration.

The following courses are relevant to this syllabus. Students will discuss with their tutor which of these and other suitable courses they will attend:

No. 527. British Government and Bureaucracy

No. 532. The Growth and Character of Local Government

No. 549. The Aims and Methods of Governmental Planning

### 7 Social Structure in Developing Countries

Mrs Hardiman. Fifteen lectures, Michaelmas and Lent Terms.

For Dip. Development Admin; Dip. Soc. Admin., Overseas Option only. Optional for B.A./B.Sc. (Soc.) Branch III, 7b (second and third years).

**Syllabus** Social structure and social organization in traditional societies. The impact of colonial régimes; the growth of marketing and trade. Demographic changes and their social significance. Occupational differentiation, education, industrialisation and urbanisation. The changing role of the family. The agrarian structure and the emergence of new élites; professional associations, workers' organizations, mutual aid societies. Social conflict and social control. The identification of social problems; sociological theories of social change.

**Recommended reading** G. Hunter, *Modernising Peasant Societies*; L. P. Mair *New Nations*; E. Durkheim, *The Division of Labour in Society*; C. Kerr *et al*, *Industrialism and Industrial Man*; C. S. Belshaw, *Traditional Exchange and Modern Markets*; T. S. Epstein, *Economic Development and Social Change in South India*; D. Warriner, *The Economics of Peasant Farming*; M. Haswell, *Economic Development in Village India*; W. A. Lewis, *The Theory of Economic Growth*; E. Draper, *Birth Control in the Modern World*; P. Foster, *Education and Social Change in Ghana*; K. Little, *West African Urbanisation*; F.A.O., *Survey of African Agricultural Development 1962*; P. Hill, *Migrant Cocoa Farmers of Southern Ghana*; E. A. Gellner, *Thought and Change*; P. S. Cohen, *Modern Social Theory*; L. P. Mair, *African Marriage and Social Change*; J. Goody, *Comparative Studies in Kinship*.

### 8 Social Policy in Developing Countries

Mrs Hardiman. Nine lectures, Michaelmas Term.

For B.A./B.Sc. (Soc.) Branch III, 7b (third year); Dip. Development Admin.; Dip. Soc. Admin., Overseas Option only.

**Syllabus** Definition of social policy, its scope and content. The role of traditional institutions in the provision of social welfare. The development of new governmental institutions. The determination and development of social policy and legislation; the development of social administration; forms of social provision in the fields of education, health, housing and new settlements, social security, family welfare,

## Development Administration

working conditions and industrial relations. The problem of the rural-urban gap; policies for the development of the rural sector.

**Recommended reading** U.N., *Report on the World Social Situation (1957, 1961, 1963, 1965, 1967, 1969)*; U.N., *Patterns of Social Welfare Organization and Administration in Africa (1964)*; M. King (Ed.), *Medical Care in Developing Countries*; M. Colbourne, *Planning for Health*; A. Curle, *Educational Strategy for Developing Countries*; T. Balogh, *The Economics of Poverty*; D. Brokensha and P. Hodge, *Community Development: An Interpretation*; Ioan Davies, *African Trade Unions*; J. Vaizey, *Education in the Modern World*; V. L. Griffith, *Educational Planning*; C. Abrams, *Housing in the Modern World*; P. Marris, *Family and Social Change in an African City*; R. M. Titmuss and B. Abel-Smith, *Social Policies and Population Growth in Mauritius*; P. du Sautoy, *Community Development in Ghana*.  
JOURNALS *International Labour Review*; *International Review of Community Development*; *The Community Development Journal*; *International Social Development Review*.

## 9 Bureaucracy and Development

Mr P. F. Dawson. Eight lectures, Lent Term.

For Dip. Development Admin.; M.Sc.:

*Theory and Practice of Public Administration*, XVI 5; *The Politics and Government of Africa*, XVI 6.

**Syllabus** The evolution of bureaucratic organization in developing countries and its relation to political, economic and social conditions.

**Recommended reading** will be given at the beginning of the course.

## 10 Administrative Problems of Development (Seminar)

Tutors to the course. Sessional.

For students of the course in Development Administration. Other graduate students may be admitted by permission.

**Syllabus** The principal concern will be with administrative problems in countries experiencing rapid economic and social change. General questions to be discussed will include:

- (i) the relation between economic and social change;
- (ii) the transplantation of institutions from one society to another;
- (iii) political movements in societies undergoing rapid change.

Reference will be made to the relevant policies and methods of Western countries, and their suitability for other parts of the world will be discussed.

## Economics

page

289 I Undergraduate Courses

- 289 Introductory Economics
- 290 Economics for Specialists
- 291 History of Economic Thought and Development of Economic Analysis
- 293 Mathematical Economics and Econometrics
- 294 Industry and Trade
- 295 Labour Economics
- 295 Public Finance
- 296 Monetary Economics
- 297 International Trade and Economic Development
- 298 Comparative Economics
- 299 Transport Economics

299 II Graduate Courses

299 A. M.Sc. in Economics

- 299 Economic Theory and Methods of Economic Investigation
- 301 Advanced Economic Theory
- 302 History of Economic Thought
- 302 Theory of Comparative Cost and Commercial Policy
- 302 International Monetary Economics
- 304 Theory of Optimal Decisions
- 305 Labour Economics
- 305 Analysis of Monetary Institutions, Monetary Theory
- 305 Economics of Public Enterprise
- 305 Economics of Transport
- 306 Public Finance
- 307 Economics of Industry
- 307 Economics of Poor Countries and their Development
- 308 Agricultural Economics
- 309 Economic Aspects of Accounting
- 309 Soviet Economic Structure
- 309 Theory and Implementation of Detailed Planning
- 311 Economics of Education and Human Capital
- 312 Urban Economics
- 313 Marx's Economics in the Light of Contemporary Economic Analysis

314 B. M.Sc. in Econometrics and Mathematical Economics

315 C. M.Sc. in Regional and Urban Planning Studies

315 III Other Graduate Courses

316 IV Additional Courses for Undergraduates and Graduates

## Economics

### I Undergraduate Courses

#### INTRODUCTORY ECONOMICS

##### 20 Introduction to Economics

Mrs Sharp. Twenty lectures, Michaelmas and Lent Terms.

For B.A./B.Sc. (Soc.) Branch III, 3 first year; Dip Soc. Admin. (first year and one-year); Overseas Option (one-year); Dip. Personnel Management; Special Course for Overseas Administrators; Dip. Development Admin.

**Syllabus** An introduction to economic analysis, with some illustrations of its application to various topics.

**Recommended reading** will be given during the course.

##### 21 Introduction to Economic Analysis

Dr Hindley. Twenty-five lectures, Sessional.

For B.Sc. (Econ.) Part I, compulsory subject 1a *Economics*; B.Sc. (Geog.), C 51; B.Sc. (Soc. Anth.) Part II, 3 b; B.Sc. Soc. Psych.:  $\frac{1}{2}$  course unit.

**Syllabus** The course will concentrate on contemporary Western economies and on logical analysis rather than empirical testing; but as time allows, alternative economic structures will be discussed and evidence examined.

**Recommended reading** will be given at the beginning of the course. Standard introductory texts are: R. G. Lipsey, *An Introduction to Positive Economics*; P. A. Samuelson, *Economics: An Introductory Analysis*.

##### 21(a) Classes

Sessional.

##### 22 (i) Economic Facts in Search of Theories

Mr Townsend. Five lectures, Michaelmas Term.

For B.Sc. (Soc. Anth.) Part II, 3b; B.Sc. (Geog.) C 51. Optional for B.Sc. (Econ.) Part I. An introduction to economic institutions, structure and resources.

**Recommended reading** K. E. Boulding, *Principles of Economic Policy*; D. Mermelstein (Ed.), *Economics: Mainstream Readings and Radical Critiques*.

##### 22 (ii) Some Applications of Elementary Economic Analysis

Mr Townsend. Ten lectures, Michaelmas and Lent Terms.

For B.Sc. (Soc. Anth.) Part II, 3b; B.Sc. (Geog.) C 51. Optional for B.Sc. (Econ.) Part I.

**Recommended reading** C. V. Brown (Ed.), *Economic Principles Applied*; J. M. Kuhlman, *Economic Problems and Policies*; E. J. Mishan, *Twenty-One Popular Economic Fallacies*.

##### 22 (iii) Economics of Socialism

Mr Markowski. Ten lectures, Lent and Summer Terms.

Optional for B.Sc. (Econ.) Part I.

##### 23 Introduction to Mathematical Economics

Mr Nickell. Twenty-five lectures, Sessional.

For B.Sc. (Econ.) Part I, compulsory subject 1(b) *Introduction to Mathematical Economics*; B.Sc. (Maths.).

**Syllabus** An elementary treatment of basic principles of economics: the theory of markets and the actions of agents in these; simple monetary theory and macro-economic models. All formal propositions will be treated mathematically. This course covers roughly the material of Lipsey: *Positive Economics* using elementary mathematical tools.

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**Recommended reading** R. G. Lipsey, *An Introduction to Positive Economics*; R. G. D. Allen, *Mathematics for Economists* (selected chaps.).

### 23(a) Classes

#### 24 The Economics of the Labour Market

Mr Metcalf and Mr Bosanquet. Twenty lectures, Lent Term.

For Dip. Personnel Management; optional for Dip. Soc. Admin. (second year and one-year).

**Syllabus** The forces that bear upon the fixing of rates of pay for particular jobs: custom, status, job evaluation, supply and demand, bargaining power. The movement of the general level of rates of pay in money; effects of full employment. National incomes policy. The economics of some institutional labour problems.

**Recommended reading** E. H. Phelps Brown, *The Economics of Labor*. Detailed reading will be given at the beginning of the course.

### 25 Economics

Mr Griffiths and Mr Marin. Twenty-eight lectures, Sessional.

For B.Sc. (Econ.) Part II: *Economics*, VI 1; VII 1; VIII 1; IX 1; XII 1; XIII 1; XIV 1; XV 1; XVI 1 (second year); B.A./B.Sc. (Soc.), Branch I, 6 (section (i), second year); B.Sc. (Geog.) C 52.

**Syllabus** The workings of contemporary economies (with special reference to the United Kingdom): their institutions, processes and problems, and the application of elementary economic analysis to the study of these.

(i) Mr Griffiths. Twelve lectures, Michaelmas and Lent Terms.

Theory of income determination; monetary and fiscal policy; inflation, incomes policy; balance of payments; economic growth; the international monetary system.

(ii) Mr Marin. Sixteen lectures, Lent and Summer Terms.

Resource allocation: industrial structure. The price mechanism, income distribution, public and social policy.

### 25(a) Classes

Sessional.

An outline of the lecture course, class topics and a reading list will be distributed at the beginning of the course.

## ECONOMICS FOR SPECIALISTS

### 28 Economic Principles and Problems of Applied Economics

(i) **Micro-Economic Theory**  
Mr Gould. Twelve lectures, Michaelmas and Lent Terms.

For B.Sc. (Econ.) Part II: *Economic Principles*, I 4; II 1a; III 4; IV 1; V 3; X 1 and 2a (i); XI 1a; (second year); M.Sc. *The Economics of Regional and Urban Planning*, XV 1; M.Sc.: Accounting and Finance (preliminary year).

**Recommended reading** Main texts: C. E. Ferguson, *Microeconomic Theory* or J. Hadar, *The Elementary Theory of Economic Behaviour* or K. J. Cohen and R. M. Cyert, *The Theory of the Firm*. Detailed reading will be given at the beginning of the course.

(ii) (a) **Classes**

Twelve classes, Michaelmas and Lent Terms.

(ii) **Macro-Economic Theory**  
Dr Perlman. Twelve lectures, Michaelmas and Lent Terms.

For B.Sc. (Econ.) Part II: *Economic Principles*, I 4; II 1a; III 4; IV 1; V 3; X 1 and 2a(i); XI 1a (second year); M.Sc.: *The Economics of Regional and Urban Planning*, XIV 1; M.Sc.: Accounting and Finance (preliminary year).

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**Recommended reading** T. F. Dernburg and D. M. McDougall, *Macro-Economics*; M. G. Mueller (Ed.), *Readings in Macroeconomics*.

(ii) (a) **Classes**

Twelve classes, Michaelmas and Lent Terms.

(iii) **International Economics**

Dr Josling. Five lectures, Lent Term.

For B.Sc. (Econ.) Part II: *Economic Principles*, I 4; II 1a; III 4; IV 1; V 3; X 1 and 2a; XI 1a (second year).

(iv) **Problems in the Application of Micro-Economics**

Mr Layard. Twelve lectures, Lent and Summer Terms.

For B.Sc. (Econ.) Part II: *Problems of Applied Economics*, I 5; II 6; III 5; IV 6, 7 and 8b; V 4a; XI 5, 6 and 7g(i) (second year).

**Recommended reading** will be given at the beginning of the course.

(iv) (a) **Classes**

Twelve classes, Lent and Summer Terms.

(v) **Applied Macro-Economics**

Mr Miller and Mr Jackman. Fifteen lectures, Lent and Summer Terms.

For B.Sc. (Econ.) Part II: *Problems of Applied Economics*, I 5; II 6; III 5; IV 6, 7 and 8b; V 4a; XI 5, 6 and 7g(i) (second year).

**Recommended reading** J. C. R. Dow, *The Management of the British Economy, 1945-60*; R. E. Caves (Ed.), *Britain's Economic Prospects*; S. Brittan, *Steering the Economy*. Many of the books in the Penguin Modern Economics series are also recommended. Detailed reading will be given at the beginning of the course.

(v) (a) **Classes**

Twelve classes, Lent and Summer Terms.

### 29 Introduction to a Mathematical Treatment and Statistical Testing of Economics

Dr Marin. Fifteen lectures, Michaelmas and Lent Terms.

Optional for B.Sc. (Econ.) Part II: *Economic Principles*, I 4; III 4; IV 1; V 3 (second year).

**Description of course** No knowledge of mathematics beyond "O" level will be assumed. The first term of the course is intended to be mainly for those who have taken no other mathematics courses, to help them understand the mathematical formulations used in economic theory. It will include functions and curves, introduction to calculus and simple difference equations and their application to economics. The second part of the course is an elementary treatment of statistical testing of economic theory.

**Recommended reading** R. G. D. Allen, *Mathematical Analysis for Economists*; J. Parry Lewis, *An Introduction to Mathematics for Students of Economics*; S. G. B. Henry, *Elementary Mathematical Economics*; G. C. Archibald and R. G. Lipsey, *An Introduction to a Mathematical Treatment of Economics*; P. Hoel, *Elementary Statistics*; A. A. Walters, *An Introduction to Econometrics*; L. R. Klein, *An Introduction to Econometrics*; D. Huff, *How to Lie with Statistics*.

29 (a) **Classes**

Classes will be held if there is sufficient demand.

## HISTORY OF ECONOMIC THOUGHT AND DEVELOPMENT OF ECONOMIC ANALYSIS

### 30 The History of Economic Thought

Lord Robbins and Dr Devletoglou. Forty lectures, Michaelmas and Lent Terms.

For B.Sc. (Econ.) Part II: *History of*

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*Economic Thought*, I 8c; III 8a; IV 6, 7 and 8c; VIII 3d (third year). Useful for M.Sc.: *History of Economic Thought*, IV 4(iv) (preliminary year).

**Syllabus** The history of economic thought from Aristotle to the present day. Special attention will be paid to the period since 1776, including the monetary controversies of this period.

**Recommended reading** The set books by Ricardo and Marshall; M. Blaug, *Economic Theory in Retrospect*. Also: A. Monroe, *Early Economic Thought*; J. R. McCulloch (Ed.), *Early English Tracts on Commerce and Tracts on Money*; O. H. Taylor, *A History of Economic Thought*; J. A. Schumpeter, *History of Economic Analysis*; H. W. Spiegel (Ed.), *The Development of Economic Thought*; G. S. L. Tucker, *Progress and Profits in British Economic Thought, 1650-1850*; E. Cannan, *A Review of Economic Theory*; E. A. Johnson, *Predecessors of Adam Smith*; N. E. Devletoglou, "Montesquieu and the Wealth of Nations" (*The Canadian Journal of Economics and Political Science*, February 1963); "The Economic Philosophy of Montesquieu" (*Kyklos*, Vol. XXII, Fasc. 3, 1969); W. Letwin, *The Origins of Scientific Economics*; D. W. Vickers, *Studies in the Theory of Money, 1690-1776*; R. W. Meek, *The Economics of Physiocracy*; J. Higgs, *The Physiocrats*; J. M. Clark and others, *Adam Smith, 1776-1926*; J. H. Hollander, *David Ricardo*; M. Blaug, *Ricardian Economics*; M. Bowley, *Nassau Senior and Classical Economics*; A. Gray, *The Socialist Movement*; G. J. Stigler, *Production and Distribution Theories*; J. Viner, *Studies in the Theory of International Trade*; F. W. Fetter, *Development of British Monetary Orthodoxy, 1797-1875*; L. C. Robbins, *The Theory of Economic Policy in English Classical Political Economy*; Robert Torrens and the Evolution of Classical Economics; *The Theory of Economic Development in the History of Economic Thought*; T. W. Hutchison, *A Review of Economic Doctrines, 1870-1929*; Erich Schneider, *Einführung in die Wirtschaftstheorie*, Vol. IV, *Geschichte der Wirtschaftstheorie*, 1. Band.

A full guide to reading will be distributed at the beginning of the course.

### 30(a) Classes

Twenty classes, Michaelmas and Lent Terms.

### 31 The Development of Economic Analysis

For B.Sc. (Econ.) Part II: *Development of Economic Analysis*, I 7; II 5e; IV 6, 7 and 8a. Useful for M.Sc.: *History of Economic Thought*, IV 4(iv) (preliminary year).

**(i) Introduction to the Development of Economic Analysis**  
Dr Perlman. Six lectures, Summer Term (second year).

#### (ii) Micro-Economics

Professor Myint. Ten lectures, Michaelmas Term (third year).

**Recommended reading** G. Ackley, *Macro-Economic Theory*; W. J. Baumol, *Economic Theory and Operations Analysis* (2nd edn.); M. Blaug, *Economic Theory in Retrospect*; W. Breit and H. M. Hochman (Eds.), *Readings in Micro-Economics*; J. R. Hicks, *Value and Capital* (2nd edn.); D. R. Kamerschen (Ed.), *Readings in Micro-Economics*; J. M. Keynes, *General Theory of Employment, Interest and Money*; A. Marshall, *Principles of Economics*; F. H. Hahn and R. C. O. Matthews, "The Theory of Economic Growth—A Survey" (*Surveys of Economic Theory*, Vol. 2, A.E.A.); A. Leijonhufvud, *Keynesian Economics and the Economics of Keynes*; M. G. Mueller (Ed.), *Readings in Macroeconomics*; D. Patinkin, *Money, Interest and Prices*.

#### (iii) Macro-Economics

Dr Perlman. Ten lectures, Lent Term (third year).

### 31(a) Classes

Twenty classes, Michaelmas and Lent Terms (third year).

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### MATHEMATICAL ECONOMICS AND ECONOMETRICS

#### 32 Economics Treated Mathematically

For B.Sc. (Econ.) Part II: *Economics treated Mathematically*, I 8d; II 2a, IV 6, 7 and 8d; V 2f; X 1 and 2b(i); XI 2d; Dip Stats., 8.

#### (i) Principles of Economics Treated Mathematically

Dr Kuska. Fifteen lectures, Lent and Summer Terms, for second-year students.

**Syllabus** Consumer and producer theory, general equilibrium analysis, and some problems in comparative statics, efficiency and decentralisation. Mainly calculus methods will be used.

**Recommended reading** J. M. Henderson and R. E. Quandt, *Microeconomic Theory*; J. Quirk and R. Saposnik, *Introduction to General Equilibrium Theory and Welfare Economics*; J. de V. Graaf, *Theoretical Welfare Economics*; O. Lange, 'The Foundations of Welfare Economics' (*Econometrica*, July-October, 1942).

#### (ii) Topics in Mathematical Economics

Mr Glaister. Fifteen lectures, Michaelmas and Lent Terms, for third-year students.

**Syllabus** A more advanced treatment of the theory of optimisation primarily using point set methods, with application to the behaviour of economic agents. Simple growth and trade cycle models.

**Recommended reading** R. G. D. Allen, *Mathematical Economics*; R. G. D. Allen, *Macro-Economic Theory*; J. Quirk and R. Saposnik, *Introduction to General Equilibrium Theory and Welfare Economics*; K. J. Lancaster, *Mathematical Economics*; T. Koopmans, *Three Essays on the State of Economic Science*, Essay I; G. Debreu, *The Theory of Value, an Axiomatic Approach*; P. Newman, *The Theory of Exchange*.

### 32(a) Classes

#### 33 Econometrics

Mr Thomas. Twenty-five lectures, Michaelmas and Lent Terms.

For B.Sc. (Econ.) Part II: *Econometrics*, II 8a (third year).

(Note It will be assumed that the students attending this course either have taken Elementary Statistical Theory at Part I or are taking Elements of Statistical Theory and Methods at Part II.)

**Syllabus** Introduction to methods of statistical estimation and testing of economic theories. Special problems of statistical inference arising from simultaneous relations, distributed time lags and autocorrelated disturbances. A study of recent applied econometric work.

**Recommended reading** A. A. Walters, *An Introduction to Econometrics*; J. Johnston, *Econometric Methods*.

### 33(a) Classes

Twenty-five classes.

#### 34 Econometric Theory

Dr Hendry. Twenty-five lectures, Michaelmas and Lent Terms.

For B.Sc. (Econ.) Part II: *Econometric Theory*, II 7b; X 7 and 8d; B.Sc. (Maths.) Part II: 5-8h (third year).

**Syllabus** Multiple regression, generalised least squares, linear stochastic models and identification, two and three stage least squares, limited and full information maximum likelihood estimates.

**Recommended reading** J. Johnston, *Econometric Methods*; A. Goldberger, *Econometric Theory*; E. Malinvaud, *Statistical Methods of Econometrics*.

### 34(a) Classes

Twenty classes.

#### 35 Applied Econometrics

Dr Wymer. Twenty lectures, Michaelmas and Lent Terms.

For B.Sc. (Econ.) Part II: *Applied Econometrics*, II 8b; X 7 and 8c (third year).

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**Syllabus** Introduction to data problems in econometrics. Index numbers. Social accounting and input-output analysis. Some recent applied econometric work.

**Recommended reading** will be given at the beginning of the course.

### 35(a) Classes

#### 36 Mathematical Economics I

(i) Professor Gorman and Professor Hahn. Thirty lectures, Michaelmas and Lent Terms, for second-year students.

(ii) Professor Hahn. Ten lectures, Lent Term, for third-year students. For B.Sc. (Econ.) Part II: *Mathematical Economics I*, II 1b; X 1 and 2a (ii); XI 1b; B.Sc. (Maths.) Part II: 5 6, 7 and 8f.

**Syllabus** Maximising behaviour (the Kuhn-Tucker theorem). Production sets, cost functions, profit functions, the substitution theorem, Pareto-efficiency, consumer theory including intertemporal choice and uncertainty, and portfolio selection. Application of all these topics to various problems including pure theory of international trade and welfare economics. Keynesian general equilibrium and simple growth theory.

**Recommended reading** J. P. Quirk and R. Saposnik, *Introduction to General Equilibrium Analysis and Welfare Economics*; K. J. Lancaster, *Mathematical Economics*; D. Gale, *Linear Economic Models*; M. Morishima, *Equilibrium and Growth*; R. G. D. Allen, *Macro-Economics*.

### 36(a) Classes

#### 37 Mathematical Economics II: Special Topics

Professor Hahn and Professor Morishima.

(i) Ten lectures, Summer Term, for second-year students.

(ii) Thirty lectures, Michaelmas and Lent Terms, for third-year students.

For B.Sc. (Econ.) Part II: *Mathematical Economics II*, II 2b; X 1 and 2 b (ii); XI 2a; B.Sc. (Maths.) Part II: 5, 6, 7 and 8g.

**Syllabus** Linear economics; von Neumann economics; dynamics; topics in economic policy.

### 37(a) Classes

## INDUSTRY AND TRADE

### 38 Economics of Industry and Trade

Professor Yamey and Mr Townsend.

For B.Sc. (Econ.) Part II: *Industry and Trade*, IV 5; V 4b; XI 5, 6 and 7g(ii).

#### Part I The Structure of Industry

Eighteen lectures, Lent and Summer Terms, for second-year students.

**Syllabus** 1 Vertical integration: economic implications in various market situations. 2 Size of firms: economies and diseconomies of scale; empirical investigation of optimal scale. 3 Conditions of entry: "barriers" to entry; implications of barriers. 4 Concentration: the concentration ratio; concentration and market power; concentration, size of market, and growth of market. 5 Specialisation and diversification. 6 Industrial structure and economic performance: price and non-price competition; prices; profits; innovation. 7 Economics of mergers.

A detailed outline and reading list will be given at the beginning of this part of the course.

#### Part II A Selection of Topics relating to Particular Industries, Markets and Public Policy Measures

Twelve lectures, Michaelmas and Lent Terms, for third-year students.

A list of topics will be given at the beginning of this part of the course.

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### 38(a) Classes

Twenty classes, beginning in the Summer Term of the second year and continuing in the Michaelmas Term of the third year.

### 39 Business Administration

Mr Foldes and Mr Gould.

Ten lectures, Summer Term (second year) and twenty lectures, Michaelmas and Lent Terms (third year).

For B.Sc. (Econ.) Part II: *Business Administration*, IV 4; V 2b; M.Sc.: *Theory of Optimal Decisions*, IV 4(vi) (preliminary year).

**Syllabus** A selection from the following topics:

(a) Theory of Decisions: the structure of decision problems. Linear problems. Probability, utility, uncertainty, dynamic analysis, trees. Criteria for investment. Stock control. Layout and scheduling problems. Location. Special pricing systems. Hire or buy.  
(b) Theory of organizations: Conflict and co-operation. Theory of games. Theory of teams. The aims of capitalists, managers and workers. The aims of organizations. Division of labour, delegation, authority and communication. Review of particular administrative techniques, including administration charts, standard systems of organization, budgets, accounts, internal pricing systems. Predictive models of administrative action. New theories of the firm.

**Recommended reading** General:

H. A. Simon, *The New Science of Management Decision*; I. J. D. Bross, *Design for Decision*; F. C. Hooper, *Management Survey*; A. Rappoport, *Games, Fights and Debates*, Part II; A. Etzioni, *Modern Organizations*; R. M. Cyert and J. G. March, *A Behavioral Theory of the Firm*.

Main texts: W. Baumol, *Economic Theory and Operations Analysis* (2nd edn., chaps. 1-6, 11-13, 22-25); M. Alexis and C. Z. Wilson (Eds.), *Organizational Decision Making* (relevant parts); H. Raiffa, *Decision Analysis*.

### 39(a) Classes

## LABOUR ECONOMICS

### 40 Labour Economics

Mr Metcalf, Mr Bosanquet and Mr Richardson. Fifteen lectures, Lent and Summer Terms, for second-year students. Fifteen lectures, Michaelmas and Lent Terms, for third-year students.

For B.Sc. (Econ.) Part II: *Economics of Labour*, I 8f; III 8e; IV 6, 7 and 8e (second year).

**Syllabus** The working population: numbers, quality, deployment and mobility. Collective bargaining: monopoly power and bargaining power. Methods of wage determination: Minimum wage regulation. Analysis of wages structure. Movements in money wage rates. National incomes policy. Technical change and structural unemployment. Analysis of strikes. Analysis of Donovan Report.

**Recommended reading** E. H. Phelps Brown, *Labor Economics* (1962); B. McCormick and E. Smith (Eds.), *The Labour Market* (Penguin); *Report on Trade Unions and Employers' Associations* (Donovan Report). Further reading will be given at the beginning of the course.

### 40(a) Classes

Twenty classes.

## PUBLIC FINANCE

### 41 The Economics of Public Finance

Professor Prest. Twenty lectures, Lent and Summer Terms.

For B.Sc. (Econ.) Part II: *Public Finance*, I 3d or 8e; III 3j or 8d (second year).

**Syllabus** The principles behind the allocation of functions between the private and the public sector; the theory of public

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goods and related topics. Analysis of the allocative and distributional effects of taxes on income, output, value added, wealth and the like. Analysis of fiscal policy and debt management, and discussion of problems of control of the economy. Central-local government financial relationships. 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.

**Recommended reading** A. R. Prest, *Public Finance in Theory and Practice* (4th edn.); A. Williams, *Public Finance and Budgetary Systems*; J. F. Due, *Government Finance* (4th edn.); R. A. Musgrave, *Fiscal Systems*.

### 41(a) Classes

Twenty classes, Lent and Summer Terms (second year).

### 42 Economic Aspects of British Social Services

Mr Layard and Mr Bosanquet. Ten lectures, Michaelmas Term.

For B.Sc. (Econ.) Part II: *Public Finance*, I 3d or 8e; III 3j or 8d; B.A./B.Sc. (Soc.) Branch III, 3 (second year). Optional for Dip. Soc. Admin. (second year and one-year).

**Syllabus** The objectives of state activity in the social services and the appropriate modes of activity. Redistribution in cash and kind. Selectivity. The specific economics of social security, education, health and housing.

A detailed reading list will be given at the beginning of the course.

## MONETARY ECONOMICS

### 43 Money - An Introduction

Professor Walters. Ten lectures, Lent Term.

For B.Sc. (Econ.) Part II: *Principles of Monetary Economics*, III 6 (second year).

**Description of course** The basic charac-

teristics of money. The Quantity Theory and portfolio adjustment. Empirical evidence.

**Recommended reading** M. Friedman, "Money" (*Encyclopaedia of Social Sciences*, 1968); A. A. Walters, *Money in Boom and Slump* (Hobart Paper 44, I.E.A., 1969); C. Goodhart, *British Monetary Policy 1957-1967*.

### 44 U.S. and Other Monetary Systems

Mr Griffiths. Ten lectures, Lent Term.

For B.Sc. (Econ.) Part II: *Monetary Institutions*, III 7 (third year).

**Recommended reading** U.S. Board of Governors of the F.R.S., *Federal Reserve System: Purposes and Functions*; M. Friedman and A. J. Schwartz, *Monetary History of the United States*, chaps. 8-12; J. S. G. Wilson, *Monetary Policy and the Development of Money Markets*, chaps. 7 and 8; Clay J. Anderson, *A Half-Century of Federal Reserve Policy-Making, 1914-1964*; *Federal Reserve Bulletin*; *Monthly Review* of the F.R.B. of New York.

### 45 The British Monetary System

Mr Alford. Ten meetings of one-and-a-half hours each, Summer Term.

For B.Sc. (Econ.) Part II: *Monetary Institutions*, III 7 (second year).

**Syllabus** The flow-of-funds approach. Banks and other financial intermediaries. Determinants of the volume of bank deposits. Debt management. Monetary policy.

**Recommended reading** *Report of the U.K. Committee on the Working of the Monetary System* (Radcliffe Report) (Cmd. 827, 1959); R. S. Sayers, *Modern Banking* (7th edn.); A. D. Bain, *The Control of the Money Supply*; R. L. Crouch, "The Inadequacy of 'New Orthodox' Methods of Monetary Control" (*The Economic Journal*, Dec. 1964); also comments and reply in *The Economic Journal*, Dec. 1965; "The Influence of Nonbank Financial Inter-

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mediaries" (chap. 12 in Ritter (Ed.), *Money and Economic Activity*); A. B. Cramp, "Control of the Money Supply" (*The Economic Journal*, June 1966); G. Clayton, "British Financial Intermediaries in Theory and Practice" (*The Economic Journal*, Dec. 1962); R. S. Sayers, "Monetary Theory and Policy in England" (*The Economic Journal*, Dec. 1960); C. M. Kennedy, "Monetary Policy" (chap. 9 in G. D. N. Worswick and P. Ady, *The British Economy in the 1950s*); J. C. R. Dow, *The Management of the British Economy 1945-60* (chaps. 9 and 12); *Bank of England Quarterly Bulletin*, *passim*.

### 45(a) Classes

Five classes, Michaelmas Term, for third-year students.

### 46 International Monetary Economics

Professor Day. Michaelmas Term.

For B.Sc. (Econ.) Part II: *Principles of Monetary Economics*, III 6 (third year).

**Recommended reading** L. B. Yeager, *International Monetary Relations*; J. E. Meade, *Balance of Payments*; H. G. Johnson, *International Trade and Economic Growth* (esp. chaps. 4 and 6); League of Nations, *International Currency Experience*; A. G. Ford, *The Gold Standard* (esp. chap. 1); R. Triffin, *Gold and the Dollar Crisis*.

### 46(a) International Monetary Economics (Seminar)

Professor Day and Mr Miller. Lent Term, in connection with Course No. 46.

### 47 Seminar in Monetary Economics

Mr Alford. Ten seminars, Lent Term.

For B.Sc. (Econ.) Part II: special subject Monetary Economics (third year).

**Recommended reading** will be given during the course.

### 48 Monetary Theory

Mr Miller. Fifteen lectures, Michaelmas and Lent Terms.

For B.Sc. (Econ.) Part II: *Principles of Monetary Economics*, III 6 (third year).

**Recommended reading** D. Laidler, *The Demand for Money*; A. Bain, *The Control of the Money Supply*; M. Friedman, "The Quantity Theory of Money: A Restatement" in *Studies in the Quantity Theory of Money*; J. Tobin, "Liquidity Preference as Behaviour Towards Risk" (*Review of Economic Studies*, 1958).

### 48(a) Classes

Ten classes, Michaelmas and Lent Terms.

## INTERNATIONAL TRADE AND ECONOMIC DEVELOPMENT

### 49 International Economics

For B.Sc. (Econ.) Part II: *International Economics*, I 8b; III 8b (third year).

#### (i) International Economics

Dr Hindley. Twenty lectures, Michaelmas and Lent Terms.

**Description of course** The course will cover the theory of comparative cost, tariff theory, customs unions, the benefits and costs of foreign investment, and growth. In the second term, the monetary aspects of trade will be discussed; exchange rates, the use of monetary and fiscal policy to attain balance of payments equilibrium, and problems of the international monetary system.

**Selected reading** R. E. Caves and H. G. Johnson (Eds.), *Readings in International Economics*; J. Bhagwati (Ed.), *International Trade*; R. N. Cooper (Ed.), *International Finance*.

**Recommended reading** will be given at the beginning of the course.

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### (ii) Agricultural and Primary Product Trade

Dr Josling. Five lectures, Lent Term.

**Syllabus** Importance of primary trade to developing countries; problems of instability; international agreements; trade and aid; developed country attitudes and policies.

**Suggested reading** A. MacBean, *Export Instability and Economic Development*. Further reading will be given during the course.

### 49(a) Classes

Twenty classes, Michaelmas and Lent Terms.

### 50 Economic Development

For B.Sc. (Econ.) Part II: *Economic Development* I 3k, 6d and 8i (third year). Useful for M.Sc.: *The Economics of Poor Countries and their Development*, IV 4(xiv); Dip. Development Admin.; Dip. Soc. Admin. Overseas Option (one-year).

### (i) Introduction to Development Economics

Professor Myint. Ten Lectures, Michaelmas Term.

### (ii) Agriculture and Development

Dr Josling. Five lectures, Lent Term.

**Syllabus** Characteristics of the agricultural sector in developing countries; contribution to development; capital accumulation; labour transfer, export earnings, import substitution; land tenure problems.

**Suggested reading** J. Mellor, *The Economics of Agricultural Development*. Further reading will be given during the course.

### (iii) Problems of Development of the Non-Agricultural Sector

Dr Mazumdar. Five lectures, Lent Term.

**Syllabus** Industrialisation; labour markets and wages in the non-agricultural sectors.

### (iv) Monetary and Fiscal Problems of the Underdeveloped Countries

Mr Griffiths. Five lectures, Lent Term.

**Syllabus** Instruments of monetary policy. Fiscal structures and debt management. Inflation: structuralist and monetary. Foreign debt.

**Recommended reading** for (i) – (iv) P. T. Bauer and B. S. Yamey, *The Economics of Underdeveloped Countries*; U. K. Hicks, *Development Finance*; H. G. Johnson, *Economic Policies Toward Less Developed Countries*; S. Kuznets, *Modern Economic Growth*; G. M. Meier, *Leading Issues in Development Economics*; J. T. Morgan and G. W. Betz, *Economic Development, Readings in Theory and Practice*; H. Myint, *The Economics of the Developing Countries*; A. R. Prest, *Public Finance in Underdeveloped Countries*; I. Little, T. Scitovsky and M. Scott, *Industry and Trade in Some Developing Countries*; C. R. Frank, "Urban Unemployment and Economic Growth in Africa" (*Oxford Economic Papers* July 1968); H. M. Southworth and B. F. Johnston (Eds.), *Agricultural Development and Economic Growth*; T. W. Schultz, *Transforming Traditional Agriculture*.

### 50(a) Classes

Twenty classes, Michaelmas and Lent Terms, for third-year students.

## COMPARATIVE ECONOMICS

### 51 Economic Institutions Compared

Professor Wiles, Dr Mazumdar, Mr Markowski and Mr Richardson. Thirty lectures, Lent and Summer Terms.

For B.Sc. (Econ.) Part II: *Economic Institutions Compared*, I 3(i), 6b or 8g (second year).

**Description of course** Capitalism, classical Communism, Yugoslavia, the Kibbutz, the peasant.

## Economics

**Recommended reading** G. Grossman, *Economic Systems*; A. Sturmhalf, *Workers' Councils*; A. Nove, *The Soviet Economy*.

Further reading will be given during the course.

### 51(a) Classes

## TRANSPORT ECONOMICS

### 52 Economics of Transport

Mr Thomson. Twenty-three lectures, Sessional.

For B.Sc. (Econ.) Part II: *Economics and Geography of Transport*, XV 7 and 8h (third year); M.Sc.: *Economics of Transport*, IV 4(xi) (final year). Students taking Course No. 231 are advised to attend this course if they have not already done so.

**Syllabus** The course will be concerned principally with major current problems in transport economics and policy.

**Recommended reading** C. D. Foster, *The Transport Problem*; K. M. Gwilliam, *Transport and Public Policy*; D. Munby (Ed.), *Transport*; G. J. Roth, *Paying for Parking* (Institute of Economic Affairs, 1967); Ministry of Transport, Report on Carriers' Licensing (Geddes Report) (H.M.S.O., 1965); J. Hibbs, *Transport for Passengers* (Institute of Economic Affairs); D. St. J. Thomas, *The Rural Transport Problem*; White Paper on Railway Policy, 1967; A. S. Svendsen, *Sea Transport and Shipping Economics*; J. R. Meyer, J. F. Kain and M. Wohl, *The Urban Transportation Problem*; White Papers on Transport Policy, 1966, and on the Economic and Financial Objectives of the Nationalised Industries, 1967; Ministry of Transport, Road Pricing, 1964.

### 52(a) Classes

## II Graduate Courses

### (A) M.Sc. in Economics

## ECONOMIC THEORY I AND II AND METHODS OF ECONOMIC INVESTIGATION

### 53 Preliminary-Year Mathematics for Economists

Mr Glaister. Sessional.

For M.Sc.: *Economic Theory I and II*, IV 1 and 2; *Methods of Economic Investigation*, IV 3 (preliminary year).

**Description of course** The course will cover the elements of linear algebra including the theory of matrices determinants and the solution of linear systems, differential calculus, the theory of optimisation, an introduction to comparative statics, and dynamics.

**Recommended reading** G. Hadley, *Linear Algebra*; R. G. D. Allen, *Mathematical Analysis for Economists*; A. Kooros, *Elements of Mathematical Economics*; T. Yamane, *Mathematics for Economists*.

### 53(a) Classes

Sessional.

### 54 Preliminary-Year Statistics for Economists

Dr Chakrabarti. Sessional.

For M.Sc.: *Economic Theory I and II*, IV 1 and 2; *Methods of Economic Investigation*, IV 3 (preliminary year).

**Description of course** Section I: Introduction, probability theory, frequency distributions. The binomial and normal distributions. Sampling theory. Estimation and hypothesis testing.

Section II: Correlation analysis. Simple linear regression. Multiple regression analysis. Time-series problems.

**Recommended reading** Section I: P. G. Hoel, *Elementary Statistics*; J. E. Freund and F. J. Williams, *Modern Business Statistics*; T. H. Wonnacott and R. J. Wonnacott, *Introductory Statistics*.



## Economics

Section II: Lecture notes and a reading list will be given at the beginning of the course.

### 54(a) Classes Sessional.

### 55 Preliminary-Year Micro-Economics

Dr Perlman. Twenty lectures, Michaelmas and Lent Terms.

For M.Sc.: *Economic Theory II*, IV 2 (preliminary year).

**Reading** Those students who have not studied economics before should ensure before taking this course that they are thoroughly acquainted with R. G. Lipsey, *An Introduction to Positive Economics*, (2nd edn., parts 1-5). G. J. Stigler, *Theory of Price* (3rd edn.) and W. J. Baumol, *Economic Theory and Operations Analysis* (2nd edn.), are good general texts.

### 55(a) Classes Eighteen classes, Sessional.

### 56 Preliminary-Year Macro-Economics

Mr Griffiths. Twenty lectures, Michaelmas and Lent Terms.

For M.Sc.: *Economic Theory I*, IV 1 (preliminary year).

**Reading** Those students who have not studied economics before should ensure before taking this course that they are thoroughly acquainted with R. G. Lipsey, *An Introduction to Positive Economics*, (2nd edn., part 1 and parts 6-10). The main content of the course is to be found in T. F. Dernburg and D. M. McDougall, *Macro-Economics*, and G. Ackley, *Macro-Economic Theory*.

### 56(a) Classes Eighteen classes, Sessional.

### 57 Final-Year Mathematics for Economists.

Dr Kuska. Twenty lectures, September, 1971.

For M.Sc.: *Economic Theory I and II*,

IV 1 and 2; *Methods of Economic Investigation*, IV 3 (final year).

**Description of course** The course will cover the following topics: an introduction to matrix algebra, partial differentiation, differentials, determinants, maximisation and minimisation, and the mathematical methods of comparative statics.

**Reading** Essential preliminary reading: a treatment of the differential calculus of one variable. Suitable expositions may be found in one of the following: T. Yamane, *Mathematics for Economists*, chaps. 1, 2 and 3 or A. Kooros, *Elements of Mathematical Economics*, chaps. 1-5 or R. G. D. Allen, *Mathematical Analysis for Economists*, chaps. 1-10. Course reading: T. Yamane, *op. cit.*, chaps. 4, 5, 10, 11 and section 12.4 of chap. 12 or A. Kooros, *op. cit.*, chaps. 6, 7, 11 and 12 or R. G. D. Allen, *op. cit.*, chaps. 11-14 and 17-19; and C. F. Christ, *Econometric Models and Methods*, chap. 3.

### 57(a) Classes Ten classes, September, 1971.

### 58 Final-Year Statistics for Economists

Mr Thomas. Twenty lectures, September, 1971.

For M.Sc.: *Economic Theory I and II*, IV 1 and 2; *Methods of Economic Investigation*, IV 3 (final year).

**Description of course** Section I: Introduction, probability theory, frequency distributions. The binomial and normal distributions. Sampling theory. Estimation and hypothesis testing. Section II: Correlation analysis. Simple linear regression. Multiple regression analysis. Time-series problems.

**Reading** For Section I: J. E. Freund and F. J. Williams, *Modern Business Statistics* or P. G. Hoel, *Elementary Statistics*; T. H. and R. J. Wonnacott, *Introductory Statistics*.

### 58(a) Classes Ten classes, September, 1971.

## Economics

### 59 Final-Year Micro-Economics

Professor Walters. Twenty lectures, Michaelmas and Lent Terms.

For M.Sc.: *Economic Theory II*, IV 2 (final year).

**Description of course** 1 Demand and supply curves - derivation, use and interpretation and empirical evidence. Derived demands and elasticity laws, measurements of the value of exchange. 2 Utility and household behaviour - properties of utility functions and inter-temporal problems. Risk and utility. The permanent income hypothesis. 3 Production, technology and costs - feasible sets, the efficient frontier and the production function. Technical progress. Monopoly, oligopoly and imperfect competition. 4 Distribution and allocation - marginal productivity and the theory of wages. Monopsony. **Selected reading** M. Friedman, *Price Theory - A Provisional Text*; J. R. Hicks, *Value and Capital*; G. J. Stigler, *The Theory of Price* (3rd edn.).

### 59(a) Classes

### 60 Final-Year Macro-Economics

Professor H. G. Johnson. Forty lectures, Michaelmas and Lent Terms.

For M.Sc.: *Economic Theory I*, IV 1 (final year).

**Description of course** A. Macro-economics. The simple Keynesian model of income-determination. The theory of economic policy. The consumption function. The theory of investment. Business cycles. Problems of stabilisation policy. Models of economic growth. Keynesian theory *versus* quantity theory. B. Monetary theory. The classical quantity theory. The Keynesian theory of money. The demand for money and liquidity. Quantity theory, portfolio balance and inventory-theoretic approaches. The supply of money and monetary policy. Financial intermediation. Money and general equilibrium theory. Inflation theory. Money in growth models. The monetary standard and international monetary arrangements. **Selected reading** J. M. Keynes, *The General Theory of Employment, Interest and Money*;

D. Patinkin, *Money, Interest and Prices* (2nd edn.); J. G. Gurley and E. S. Shaw, *Money in a Theory of Finance*; M. J. Bailey, *National Income and the Price Level*; W. T. Newlyn, *Theory of Money*; H. G. Johnson, *Essays in Monetary Economics*; R. S. Thorn (Ed.), *Monetary Theory and Policy*.

### 60(a) Classes

### 61 Methods of Economic Investigation

For M.Sc.: *Methods of Economic Investigation*, IV 3 (final year).

**Description of course** The purpose of this course is to present the more frequently used techniques of empirical investigation in economics. In addition to the methods employed, it illustrates the advantages and difficulties involved in their application.

#### (i) Introduction to Econometrics

Dr Wallis. Twenty lectures, Michaelmas Term.

**Recommended reading** C. F. Christ, *Econometric Models and Methods*.

#### (ii) Case Studies

Dr Desai. Twenty lectures, Lent Term.

**Recommended reading** A detailed list of empirical articles will be given at the beginning of the course.

### 61(a) Classes

### ADVANCED ECONOMIC THEORY I: Theory of Economic Growth

### ADVANCED ECONOMIC THEORY II: Linear Economic Models

### ADVANCED ECONOMIC THEORY III: Theory of Investment Planning

### 62 Theory of Economic Growth

Dr Ozga. Thirty lectures, Michaelmas and Lent Terms.

For M.Sc.: *Advanced Economic Theory I*, IV 4 (i) (final year).

## Economics

**Description of course** General properties of one-sector and two-sector models of economic growth. The characteristics of their paths of steady growth and the conditions of their convergence onto those paths. The concepts and the analysis of embodied and disembodied technical progress. Optimal growth.

**Selected reading** R. G. D. Allen, *Macro-Economic Theory*; W. J. Baumol, *Economic Dynamics*; F. H. Hahn and R. C. O. Matthews "The Theory of Economic Growth: A Survey" (*The Economic Journal*, December 1964); J. R. Hicks, *Capital and Growth*; R. M. Solow, *Growth Theory*.

### 62(a) Classes

#### 63 Linear Economic Models

Dr Ozga. Thirty lectures, Michaelmas and Lent Terms.

For M.Sc.: *Advanced Economic Theory II*, IV 4 (ii) (final year).

**Description of course** An introduction to linear programming, input-output and games theory. Static and dynamic production models and the von Neumann model. Application of activity analysis to economic theory.

**Selected reading** H. B. Chenery and P. B. Clark, *Interindustry Economics*; R. Dorfman, P. A. Samuelson and R. M. Solow, *Linear Programming and Economic Analysis*; D. Gale, *The Theory of Linear Economic Models*; G. Hadley, *Linear Programming*.

### 63 (a) Classes

#### 64 Turnpike Theorem and Related Topics

Dr Kuska. Six lectures, Summer Term.

For M.Sc.: *Advanced Economic Theory I and II*, IV 4 (i) and (ii) (final year).

**Description of course** The concepts and the analysis of efficient and optimal programmes of capital accumulation. Formulation and proof of a turnpike theorem.

#### 65 Theory of Investment Planning

Professor Sen. Twenty lectures, Sessional.

For M.Sc.: *Advanced Economic Theory III*, IV 4(iii).

**Description of course** Resource allocation and intertemporal choices. Aggregate planning and optimal investment. Theory of benefit-cost analysis. Project evaluation and investment planning at the micro-level. Integration of aggregate planning and project planning. Decentralisation and iterative procedures. Choice of objectives and identification of constraints.

## HISTORY OF ECONOMIC THOUGHT

#### 66 History of Economic Thought: Economic Theory in Retrospect

Dr Devletoglou. Twenty lectures, Michaelmas and Lent Terms.

For M.Sc.: *History of Economic Thought*, IV 4(iv); VI 4(v) (final year).

**Description of course** The emphasis of this course is on the development of economic analysis over the years: its relation to policy issues and its methodological and philosophical underpinnings. Particular consideration is given to classical and post-classical development.

**Selected reading** M. Blaug, *Economic Theory in Retrospect*; J. A. Schumpeter, *The History of Economic Analysis*.

### 66(a) Classes

## THEORY OF COMPARATIVE COST AND COMMERCIAL POLICY

## INTERNATIONAL MONETARY ECONOMICS

#### 67 The Theory of Commercial Policy

Professor H. G. Johnson. Ten lectures, Lent Term.

For M.Sc.: *Theory of Comparative Cost*

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and *Commercial Policy*, IV 4(v) (final year).

**Description of course** The theory of the optimum tariff and tariff retaliation. Tariffs, the terms of trade and the distribution of income. The cost of protection. Distortions of competition and the case for protection; the infant industry argument for protection. The theory of tariff structure and effective protection. The theory of tariff bargaining. The theory of customs unions and preferential trading arrangements.

**Selected reading** G. Haberler, *The Theory of International Trade*; H. G. Johnson, *Economic Policies Toward Less Developed Countries* (chaps. 3, 4, 6); J. Bhagwati, "A Survey of the Theory of International Trade" (*The Economic Journal*, March, 1964); M. C. Kemp, *The Pure Theory of International Trade*; J. Vanek, *International Trade: Theory and Economic Policy*; R. E. Caves and H. G. Johnson (Eds.), *Readings in International Economics*; J. E. Meade, *The Theory of International Economic Policy*, Vol. II, *Trade and Welfare* and *A Geometry of International Trade*.

### 67(a) Classes

Five classes, Lent Term.

#### 68 International Monetary Economics

Dr Swoboda. Ten lectures of two hours each, Lent and Summer Terms.

This course will be given only if there is sufficient demand.

For M.Sc.: *International Monetary Economics*, IV 4(xix) (final year).

**Description of course** The balance of payments and the foreign exchange market. "Automatic" adjustment mechanisms under alternative international monetary standards. The analysis of currency depreciation: the elasticity *versus* the absorption approach. The transfer problem. Growth and the balance of payments. National economic policy, the balance of payments, and the adjustment mechanism. Policy mixes under fixed

and flexible exchange rates. International monetary problems: liquidity and the world price level; confidence and the crisis problem; the speed, cost, and burden of adjustment. The efficiency of alternative international monetary systems.

**Selected reading** R. E. Caves and H. G. Johnson (Eds.), *Readings in International Economics* (chaps. 21-25, 31); H. G. Johnson, *International Trade and Economic Growth*, Part III; J. E. Meade, *The Theory of International Economic Policy*, Vol. I, *The Balance of Payments*; F. Machlup and B. G. Malkiel (Eds.), *International Monetary Arrangements: The Problem of Choice*; H. Ellis and L. Metzler (Eds.), *Readings in the Theory of International Trade* (chaps. 4-8); R. A. Mundell, *International Economics*; L. B. Yeager, *International Monetary Relations*.

### 68(a) Classes

#### 69 International Trade

Dr Makower. Ten lectures, Michaelmas Term.

For M.Sc.: *Theory of Comparative Cost and Commercial Policy*, IV 4(v) (final year).

**Description of course** The course will deal with the factors determining the flows of international trade in real terms. Topics: the doctrine of comparative costs; factor endowments; terms of trade; unilateral transfer; trade and growth.

**Suggested reading** J. E. Meade, *The Theory of International Economic Policy*, Vol. II; *Trade and Welfare*, chaps. 1-22; *A Geometry of International Trade*; J. Vanek, *International Trade: Theory and Economic Policy*, Part III; G. Haberler, *Survey of International Trade Theory*; A. Marshall, *Pure Theory of Foreign Trade*; D. Ricardo, *Principles of Political Economy*, chap. 7; R. E. Caves and H. G. Johnson (Eds.), *Readings in International Economics*, Vol. XI (A.E.A.); R. A. Mundell, *International Economics*; I. F. Pearce, *International Trade*, Book II; R. G. Lipsey, *Theory of Customs Unions*; G. M. Meier, *International Trade and Development*;

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H. G. Johnson, *International Trade and Economic Growth*, chap. 3; W. E. Jones, "The Transfer Problem Re-Visited" (*Economica*, May 1970); B. Bhagwati (Ed.), *International Trade*, chap. 14; K. Lancaster, "The Heckscher-Ohlin Trade Model" (*Economica*, February 1957); "Protection and Real Wages" (*The Economic Journal*, June 1957); "Economic Theory and Development Policy" (*Economica*, May 1967); W. M. Corden, "Economic Expansion and International Trade" (*Oxford Economic Papers*, June 1950); A. P. Lerner, "Factor Prices and International Trade" (*Economica*, February 1952).

### 69(a) Classes

Five classes, Lent Term.

### 70 Seminar on International Trade

Professor H. G. Johnson and Dr Hindley. Weekly, Sessional, starting in the sixth week of the Michaelmas Term.

For M.Sc.: *Theory of Comparative Cost and Commercial Policy*, IV 4(v); *International Monetary Economics* IV 4(xix). Other students will be admitted only by permission of Professor Johnson or Dr. Hindley, to whom application should be made in writing.

## THEORY OF OPTIMAL DECISIONS

### 71 Theory of Optimal Decisions

Mr Foldes. Thirty lectures, Sessional.

For M.Sc.: *Theory of Optimal Decisions*, IV 4(vi) (final year).

**Description of course** Models for optimal decisions under certainty and uncertainty, with applications to problems of business and public policy. (Applications in 1971-72 will probably be mainly in the field of investment planning.)

**Recommended reading** Selected parts of

the following: W. Baumol, *Economic Analysis and Operational Research*; K. H. Borch, *Economics of Uncertainty*; R. D. Luce and H. Raiffa, *Games and Decisions*; H. Chernoff and L. E. Moses, *Elementary Decision Theory*; P. Massé, *Optimal Investment Decisions*; J. Hirschleifer, *Investment, Interest and Capital*; S. H. Archer and C. A. D'Ambrosia, *Readings in Business Finance* (parts); F. S. Hillier, *The Evaluation of Risky Interrelated Investments*; W. F. Sharpe, *Portfolio Theory and Capital Markets*.

### 71(a) Classes

Ten or fifteen classes, Lent and Summer Terms.

### 72 Welfare Economics and Public Enterprise

Mr Foldes. Ten lectures, Lent Term.

Optional for M.Sc.: *Theory of Optimal Decisions*, IV 4(vi); *Public Finance*, IV 4(xii); B.Sc. (Econ.) Part II: *Business Administration*, IV 4; V 2b; *Industry and Trade* IV 5; V 4b; XI 5, 6 and 7g(ii); *Public Finance*, I 3d or 8e; III 3j or 8d (third year).

**Syllabus** Welfare and general equilibrium. Optimality theorems. Theory of public policy. Economic problems of public enterprises: determination of investment, output and prices.

**Recommended reading** J. de V. Graaff, *Theoretical Welfare Economics*; T. C. Koopmans, *Three Essays on the State of Economic Science* (first essay); E. Malinvaud, *Leçons de théorie microéconomique*; J. Tinbergen, *Economic Policy: Principles and Design*; P. Massé, *Optimal Investment Decisions*; K. J. Arrow and M. Kurz, *Public Investment, the Rate of Return and Optimal Fiscal Policy*; K. J. Arrow, "Uncertainty and the Economics of Medical Care" (*The American Economic Review*, 1963); J. Hirschleifer, "Investment Decision under Uncertainty" (*The Quarterly Journal of Economics*, November 1965 and May 1966); K. J. Arrow and R. C. Lind, "Uncertainty and the Evaluation of Public Investment Decisions" (*The American Economic*

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*Review*, June 1970); G. Dessus, "The General Principles of Rate-fixing in Public Utilities" (*International Economic Papers*, No. 1); R. Turvey (Ed.), *Public Enterprise*; J. Nelson (Ed.), *Marginal Cost Pricing in Practice*.

## LABOUR ECONOMICS

### 73 Labour Economics

Mr Metcalf and Mr Richardson. Twenty lectures, Michaelmas and Lent Terms.

For M.Sc.: *Labour Economics*, IV 4(vii); VIII 2(i), XIII option j (final year) and other graduate students.

**Description of course** 1 Analysis of labour supply, considering population, activity rates, hours worked and the quality of the labour force. 2 The demand for labour. 3 The wage structure and income distribution. 4 Selected other topics e.g. trades unions, strike activity, unemployment and wages policies.

**Recommended reading** B. Fleisher, *Labor Economics*.

### 73(a) Classes

Twenty classes, Michaelmas and Lent Terms.

## ANALYSIS OF MONETARY INSTITUTIONS AND MONETARY THEORY

### 74 Analysis of Monetary Institutions

Mr Alford. Ten one-and-a-half hour meetings, Lent Term.

For M.Sc.: *Analysis of Monetary Institutions and Monetary Theory*, IV 4(ix) (final year).

### 75 Topics in Monetary Theory

Mr Griffiths and Mr Miller. Ten meetings of one-and-a-half hours, Michaelmas and Lent Terms, beginning in the sixth week of the Michaelmas Term.

For M.Sc.: *Analysis of Monetary Institutions and Monetary Theory*, IV 4(ix) (final year).

### 76 Econometrics in the Monetary Field—A Survey

Professor Walters and Mr Miller. Ten meetings of one-and-a-half hours, Michaelmas and Lent Terms.

For M.Sc.: *Analysis of Monetary Institutions and Monetary Theory*, IV 4(ix) (final year).

## ECONOMICS OF PUBLIC ENTERPRISE

In the session 1971-72 no courses will be provided for M.Sc.: *Economics of Public Enterprise*, IV 4(x).

## ECONOMICS OF TRANSPORT

### 77 Seminar in the Economics of Transport

Mr Thomson. Sessional.

For M.Sc.: *Economics of Transport*, IV 4(xi); XIV 3(x).

### 78 Economics of Transport

For M.Sc. *Economics of Transport*, IV 4(xi); XIV 3(x).

#### (i) Shipping and Ports

Professor Walters. Four lectures in the second half of the Michaelmas Term.

**Syllabus** Cost structure, organization of shipping and demand; conferences and competition and government regulations. Technological change.

**Recommended reading** *Rochdale Report*; E. Bennathan and A. A. Walters, *The Economics of Ocean Freight Rates*.

#### (ii) Railways

Dr Joy. Five lectures in the first half of the Lent Term.

**Syllabus** The application of economic techniques to the analysis of railway operations and policy.

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**Recommended reading** P. W. MacAvoy and J. Sloss, *Regulation of Transport Innovation, The I.C.C. and Unit Coal Trains to the East Coast*; A. F. Friedlander, *The Dilemma of Freight Transport Regulation*; J. R. Meyer, J. F. Kain and M. Wohl, *The Urban Transport Problem*.

### (iii) Highways

Mr Foster. Five lectures in the second half of the Lent Term.

**Syllabus** The analysis of highway economic questions, concentrating particularly on investment and pricing issues.

**Recommended reading** Alan Day, *Roads*; A. A. Walters, *The Economics of Road-User Charges*; R. Winfrey, *The Economics of Highways*.

### (iv) Aviation and Airports

Professor Day and Mr Flowerdew. Five lectures in the first half of the Summer Term.

**Syllabus** The application of economics to aviation and airports.

**Recommended reading** will be given during the course.

## 79 Urban and Transport Modelling

Mr Flowerdew. Ten lectures, Lent Term.

For M.Sc.: *Economics of Transport*, IV 4(xi); XIV 3(x); *Urban Economics*, IV 4(xxi); *Mathematical Methods in Planning*, XIV 3(xii).

**Syllabus** Land use transportation models. Location models. Simulations.

**Recommended reading** W. Alonso, *Location and Land Use*; H. W. Richardson, *Regional Economics*; J. B. McLaughlin, "Urban and Regional Planning: A Systems Approach" (Special issues, *Journal of the American Institute of Planners*).

## 80 Urban Transport

Mr Thomson. Five lectures in the first half of the Summer Term.

For M.Sc.: *Economics of Transport*, IV 4(xi); XIV 3(x); *Urban Economics*, IV 4(xxi).

**Syllabus** Some more advanced problems of urban transport policy.

**Recommended reading** will be given during the course.

## PUBLIC FINANCE

### 81 The Economics of Public Finance

Professor Prest. Twenty lectures, Michaelmas and Lent Terms.

For M.Sc.: *Public Finance*, IV 4(xii).

**Description of course** The lectures will examine in detail the role of the public sector in the modern economy. This will lead to discussion of the interrelations between problems of public goods, externalities and cost benefit analysis, and the possible advantages of political solutions. Problems of the optimum supply of particular government services will also be discussed. Taxes on personal and corporate income, outlay, value added and wealth will be analysed in detail.

**Selected reading** R. A. Musgrave, *The Theory of Public Finance*; R. A. Musgrave, *Fiscal Systems*; L. Johansen, *Public Economics*; A.E.A., *Readings in the Economics of Taxation*; A. R. Prest, *Public Finance in Theory and Practice*, 4th edn.; C. S. Shoup, *Public Finance*; J. M. Buchanan, *Fiscal Theory and Political Economy*.

### 82 Seminar in Public Sector Economics

Professor Prest. Fortnightly, Michaelmas and Lent Terms.

For M.Sc.: *Public Finance*, IV 4(xii) (final year). Others may attend by permission of Professor Prest.

### 83 The Economics of Multilevel Government Structures

Dr Perlman. Five lectures, Lent Term.

For M.Sc.: *Public Finance*, IV 4(xii); *Urban Economics*, IV 4(xxi).

**Description of course** The problems posed

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by different levels of government authority, e.g. the optimum multilevel structure of authority and the sort of fiscal relationships which should exist among the different levels of authority, both in terms of equity and the allocation of resources. A background reading in the theory of public goods and externalities will be very useful.

## ECONOMICS OF INDUSTRY

### 84 Economics of Industry

Professor Yamey. Twenty lectures of one-and-a-half hours, Michaelmas and Lent Terms.

For M.Sc.: *Economics of Industry*, I 2; IV 4(xiii); XIII option e (final year).

**Description of course** 1 Analysis of the structure of industries: size-distribution of plants and firms; concentration; vertical integration; specialization and diversification; conditions of new entry. 2 Expansion and contraction of industries and changes in their structure; changes in concentration, market shares and ranks, vertical integration, and specialisation and diversification. The process of structural change: entry, exit and mergers. 3 The economics of innovation in industry. 4 The relation between industrial structure, forms of competitive behaviour, and economic performance. 5 The economics of sales promotion. 6 Public policy in relation to the structure and performance of industries (selection of topics).

**Selected reading** G. J. Stigler, *The Organisation of Industry*; R. E. Caves (Ed.), *Britain's Economic Prospects*, chap. 7; F. M. Scherer, *Industrial Market Structure and Economic Performance*; E. W. Singer, *Antitrust Economics*.

### 84(a) Classes

Ten classes, Lent and Summer Terms.

### 85 Economic Aspects of the Joint Stock Company

Dr Hindley. Five lectures, Lent Term.

For M.Sc.: *Economics of Industry*, IV 4(xiii) (final year).

**Syllabus** A discussion of the significance of the managerial firm and of the various theories designed to explain its behaviour.

### 86 The Economics of Regulation and Licensing

Mr Richardson. Five lectures, Lent Term.

For M.Sc.: *Economics of Industry*, I 2; IV 4(xiii) (final year).

**Description of course** The consequences of the regulation of: 1 Quality standards in product markets. 2 The behaviour and performance of firms. 3 The terms of exchange in the factor markets.

## ECONOMICS OF POOR COUNTRIES AND THEIR DEVELOPMENT

### 87 The Economics of Poor Countries and their Development

Professor Bauer and Professor Myint. Twenty lectures, Michaelmas and Lent Terms.

For M.Sc.: *Economics of Poor Countries and their Development*, III 3iii; IV 4xiv (final year); Dip. Development Admin.; Dip. Soc. Admin. overseas option (one-year).

**Description of course** The relevance and limitations of economics. Characteristics of poor economies. Issues of concept and measurement. The vicious circle of poverty. Aspects of change. Varying degrees of integration between different markets and between different sectors of the economy. Balanced and unbalanced growth. International trade and development. Fiscal and monetary problems of development. Some specific issues of policy.

**Recommended reading** A. N. Agarwala and S. P. Singh, *The Economics of Underdevelopment*; \*P. T. Bauer and B. S. Yamey, *The Economic of Underdeveloped Countries*; G. Ohlin, *Population Control and Economic Development* (O.E.C.D. Report, 1967); \*H. G. Johnson, *Economic Policies Toward Less Developed Countries*; \*S. Kuznets, *Modern Economic Growth: Rate Structure and Spread*; \*W. A. Lewis, *Development Planning*; A. I. MacBean, *Export Instability and Economic Development*; G. M. Meier, *Leading Issues in Development Economics*; \*H. Myint, *The Economics of the Developing Countries*; A. R. Prest, *Public Finance in Underdeveloped Countries*; T. W. Schultz, *Transforming Traditional Agriculture*. Starred items are basic reading. Further references will be given during the course.

### 88 Seminar on the Economics of Poor Countries

Professor Bauer and Professor Myint. Michaelmas and Lent Terms, in conjunction with Course No. 87. Admission will normally be restricted to graduate students working in this field and will be by permission of Professor Bauer or Professor Myint, to whom application should be made in writing.

### 89 Surplus Labour and Labour Markets in Poor Countries

Dr Mazumdar. Six lectures, Michaelmas Term.

For M.Sc.: *Economics of Poor Countries and their Development*, III 3(iii); IV 4(xiv) (final year); Dip. Development Admin.; Special Course for Overseas Administrators. Optional for M.Sc.: *Soviet Economic Structure*, IV 4(xvii); *Theory and Implementation of Detailed Planning* IV 4(xviii) (final year).

**Description of course** The theory of disguised unemployment and the empirical evidence bearing on it. The major problems of labour markets in the developing sectors.

### 89(a) Classes

#### 90 Economic Problems of Public Investment and Planning in Underdeveloped Countries

Dr Mazumdar. Ten lectures, Michaelmas and Lent Terms.

For M.Sc.: *Economics of Poor Countries and their Development*, III 3(iii); IV 4(xiv) (final year); Dip. Development Admin.; Special Course for Overseas Administrators. Optional for M.Sc.: *Soviet Economic Structure*, IV 4(xvii); *Theory and Implementation of Detailed Planning*, IV 4(xviii) (final year).

**Description of course** The course will examine theoretical problems relating to the formulation of investment programmes in underdeveloped countries. It will outline a method of project appraisal relevant to the economic conditions of these countries and relate it to the problems of macro-economic planning. Aspects of planning strategy will be covered: e.g. the theory of the choice of techniques; principles of allocation of investment between producer goods and consumer goods industries, and the problem of import substitution.

### 90(a) Classes

#### 91 Selected Topics in Economic Development (Classes)

Professor Myint and Dr Mazumdar. Eight Classes, Lent and Summer Terms.

### AGRICULTURAL ECONOMICS

#### 92 Economic Analysis of Agricultural Production and Markets

Dr Josling. Ten lectures, Michaelmas Term.

For M.Sc.: *Agricultural Economics*, IV 4(xv) (final year).

**Description of course** The analysis of decision making at the farm-firm level

including the use of linear programming, game theoretic and simulation techniques; the estimation of production functions and the application of production function analysis; the analysis of factor markets (except labour); analysis of consumer demand for agricultural products; macro-economic models of the farm sector.

**Suggested reading** K. A. Fox and D. G. Johnson (Eds.), *Readings in the Economics of Agriculture*. Further reading will be given at the beginning of the course.

**Selected reading** E. O. Heady, *The Economics of Agricultural Production and Resource Use*; E. O. Heady and J. Dillon, *Agricultural Production Functions*; Z. Griliches, "Research Expenditures, Education and the Aggregate Agricultural Production Function" (*The American Economic Review*, December, 1964). Further references will be given at the beginning of the course.

### 92(a) Classes

#### 93 Agricultural Labour Market

Mr Metcalf. Five lectures, Lent Term.

For M.Sc.: *Agricultural Economics*, IV 4(xv) (final year).

**Syllabus** The operation of the agricultural labour market in the U.K., U.S. and certain developing countries. For the advanced countries special attention will be paid to problems of income distribution and rural poverty. For developing areas special attention to hypothesis of surplus agricultural labour and to problems caused by urban unemployment.

**Recommended reading** will be given at the beginning of the course.

### 93(a) Classes

Five classes, Lent Term.

#### 94 Public Policy and Agriculture in Industrial Countries

Dr Josling. Ten lectures, Lent Term.

For M.Sc.: *Agricultural Economics*, IV 4(xv) (final year).

**Description of course** The economic analysis of government policies toward agriculture, with emphasis on the objectives of agricultural policies and their effects on resource returns, income distribution, international trade, balance of payments and resource allocation. The impact of general economic policies on the farm sector.

Policies of the U.K., E.E.C., U.S.A. and Canada will be examined, but other countries may be studied if of interest to class participants.

**Suggested reading** D. E. Hathaway, *Government and Agriculture*; V. Ruttan, A. Waldo and J. Houck (Eds.), *Agricultural Policy in an Affluent Society*. Further reading will be given at the beginning of the course.

### 94(a) Classes

Five classes, Lent Term.

#### 95 Seminar in Agricultural Economics

Dr Josling. Ten seminars, Lent Term.

For M.Sc.: *Agricultural Economics*, IV 4(xv) (final year); research degree and other interested students.

### ECONOMIC ASPECTS OF ACCOUNTING

The courses for M.Sc.: *Economic Aspects of Accounting*, IV 4(xvi) are listed in the section on Accounting and Finance.

### SOVIET ECONOMIC STRUCTURE

#### THEORY AND IMPLEMENTATION OF DETAILED PLANNING

**96 Soviet Economic Structure**  
Professor Wiles. Thirty lectures, Michaelmas and Lent Terms.

For M.Sc.: *Soviet Economic Structure*, IV 4(xvii) (final year). Recommended for

## Economics

M.Sc.: *Theory and Implementation of Detailed Planning*, IV 4(xviii). Also suitable for undergraduates.

**Description of course** The changing institutional framework and mechanisms of the economy, 1917-64: their intellectual origins; the actual performance of the economy. Parallel problems in other communist countries.

**Recommended reading** A. Nove, *The Soviet Economy*, 2nd edn.; K. Marx, *Value* (sometimes written "Wages"), *Price and Profit*; P. J. D. Wiles, *The Political Economy of Communism*; H. Schwartz, *Russia's Soviet Economy*, 2nd edn.; *Political Economy* (the official Soviet textbook). Further reading will be given during the course.

### 97 Introduction to National Planning

Mr Markowski, Dr Mazumdar and Professor Wiles. Twenty lectures, Michaelmas and Lent Terms.

For M.Sc.: *The Economics of Poor Countries and their Development*, IV 4(xiv); *Soviet Economic Structure* IV 4(xvii); *Theory and Implementation of Detailed Planning* IV 4(xviii); B.Sc. (Econ.) Part II: *The Economics of Planning*, I 3j, 6c or 8h (third year).

**Description of course** The general theory and practice of detailed national planning: in France, U.S.S.R., Pakistan, India.

**Recommended reading** B. Gross (Ed.), *Action Under Planning*; J. Tinbergen, *Central Planning*; P. J. D. Wiles, *The Political Economy of Communism*; P. Bauchet, *Economic Planning, The French Experience*; J. E. Meade, *Planning and the Price Mechanism*; B. Ward, *The Socialist Economy*; Mahbub-ul-Haq, *The Strategy of Economic Planning: A Case Study of Pakistan*.

Further reading will be given during the course.

### 97(a) Classes

Ten classes, Lent Term.

### 98 Techniques in Normative and Indicative Planning

Dr Gomulka and Dr Zauberman. Thirty lectures, Michaelmas and Lent Terms.

For M.Sc.: *Theory and Implementation of Detailed Planning*, IV 4(xviii) (final year). Optional for M.Sc.: *Economics of Poor Countries and their Development*, IV 4(xiv) (final year).

**Description of course** Soviet-type economy: long-run and operational planning on national level; investment efficiency and choice of technique on the firm's level. Outline and interpretation of some formalised plan models for a market-type economy.

**Recommended reading** M. Kalecki, *Introduction to the Theory of Growth in a Socialist Economy*; J. Kornai, *Mathematical Planning of Structural Decisions*; A. Zauberman, *Aspects of Planometrics*; H. Fiszal, *Investment Efficiency in a Socialist Economy*. Further reading will be given during the course.

### 99 Problems of Planning and Development (Seminar)

Dr Gomulka, Dr Mazumdar, Professor Wiles and Dr Zauberman. Sessional. Attendance is by permission of Dr Gomulka or Dr Mazumdar.

For M.Sc.: *Soviet Economic Structure*, IV 4(xvii); *Theory and Implementation of Detailed Planning*, IV 4(xviii) (final year). Optional for M.Sc.: *Economics of Poor Countries and their Development*, IV 4(xiv) (final year).

### 100 Economic Problems of the Communist World (Seminar)

Professor Wiles, Dr Zauberman and Mr Markowski. Sessional.

For M.Sc.: *Soviet Economic Structure*, IV 4(xvii); *Theory and Implementation of Detailed Planning*, IV 4(xviii). Admission by permission of Professor Wiles, Dr Zauberman or Mr Markowski.

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Note Students taking Theory and Implementation of Detailed Planning are also referred to Course No. 135.

## ECONOMICS OF EDUCATION AND HUMAN CAPITAL

### 101 Economics of Education and Human Capital

Mr Layard. Eighteen lectures, Michaelmas and Lent Terms.

For M.Sc.: *Economics of Education and Human Capital*, IV 4(xx); *Educational Statistics*, XXIII 8. Optional for M.Sc.: *Labour Economics*, IV 4(vii); VIII 2(i); XIII option j; *Public Finance*, IV 4(xii); *Economics of Poor Countries and their Development*, IV 4(xiv); B.Sc. (Econ.) Part II, *Public Finance*, I 3d and 8e; III 3j and 8d; *Economics of Labour*, I 8f; III 8e; IV 6, 7 and 8e (third year).

**Syllabus:** Principles of optimal private and social choice over time. The private investment choice in education. Education and the distribution of income. The social rate of return to education: measuring returns by wages and by direct production function estimates. The contribution of education to economic growth. The social investment choice in education. The financing of education and the political economy of educational supply. The internal productivity of educational institutions. Economics of training, labour mobility, information, educated unemployment, brain drain, discrimination, population and health.

**Recommended reading** G. S. Becker, *Human Capital*; J. Hirschliefer, *Investment, Interest and Capital*; M. Blaug, *Introduction to the Economics of Education*; M. Blaug (Ed.), *Penguin Modern Economics Readings, Economics of Education 1 and 2*; O.E.C.D., *The Residual Factor and Economic Growth*; Z. Griliches, "Research Expenditure, Education and the Agricultural Production Function" (*The American Economic Review*, April 1964); M. Friedman, *Capitalism and Freedom*, chaps. 2 and 6; H. G. Johnson, "Some Economic Aspects of Brain Drain"

(*Pakistan Development Review*, Autumn 1967); S. Bowles, "Towards an Educational Production Function" in W. L. Hansen (Ed.), *Education and Income* (N.B.E.R.); G. Stigler, "The Economics of Information" and "Information in the Labour Market" (*The Journal of Political Economy*, June 1961 and October 1962); M. Blaug, R. Layard, M. Woodhall, *Causes of Graduate Unemployment in India*; G. S. Becker, *Economics of Discrimination*; B. Weisbrod, *The Economics of Public Health*; G. S. Becker, "An Economic Analysis of Fertility" in *Demographic and Economic Change in Developed Countries*.

### 102 Workshop in the Economics of Education

Mr Layard and Dr Psacharopoulos. Fortnightly, Sessional.

For M.Sc.: *Economics of Education and Human Capital*, IV 4(xx); *Manpower Planning*, VIII 2(vi); XIII option n. This workshop will proceed systematically through the advanced literature in the subject. Admission by permission of Mr Layard.

### 103 Economic Models of Educational Planning

Dr Psacharopoulos. Eight lectures, Lent Term.

For M.Sc.: *Economics of Education and Human Capital*, IV 4(xx); *Educational Statistics*, XXIII 8.

**Description of course** The philosophy, techniques and assumptions of alternative planning methods illustrated by actual applications; social demand, manpower requirements, international comparisons, rate of return and linear programming.

**Recommended reading** M. Blaug, *An Introduction to the Economics of Education* (Penguin, 1970); S. Bowles, *Planning Educational Systems for Economic Growth* (Harvard, 1969); R. Hollister, "The Economics of Manpower Forecasting" (*International Labour Review*, April 1964); R. Layard, "Economic Theories of Educational

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Planning" in M. H. Peston and B. A. Corry (Eds.), *Essays in Honour of Lord Robbins*; G. Psacharopoulos, "Estimating Shadow Rates of Return to Investment in Education" (*Journal of Human Resources*, Winter 1970).

### 104 Economics of Research and Development

Professor H. G. Johnson. Four lectures, Lent Term.

For M.Sc.: *Economics of Education and Human Capital*, IV 4(xx).

**Description of course** Knowledge as a factor of production in a generalised capital-theoretic approach. Welfare problems in the provision of productive knowledge in a competitive system. The problem of basic as distinguished from applied research. Problems of university research and of government science policy. Optimality rules for investment in the production of knowledge. Knowledge as a consumption good.

**Recommended reading** will be given at the beginning of the session.

## URBAN ECONOMICS

### 105 Introduction to Urban Economics

Mr Foster. Five lectures in the first half of the Michaelmas Term.

For M.Sc.: *Urban Economics*, IV 4(xxi).

**Syllabus** This will prepare for subsequent courses introducing students to the analysis of urban economic growth and development; and to the use of cost benefit techniques as a tool of analysis.

**Recommended reading** W. Thomson, *A Preface to Urban Economics*; H. S. Perloff and L. Wingo (Eds.), *Issues in Urban Economics*; H. W. Richardson, *Regional Economics*; A. R. Prest and R. Turvey, "Cost-Benefit Analysis: A Survey" (*The Economic Journal*, December 1965); R. W. McKean, *Efficiency in Government Through Systems Analysis*.

### 106 Urban Economics (Seminar)

Mr Flowerdew, Mr Foster, Mr Thomson and Dr Whitehead. Sessional.

For M.Sc.: *Urban Economics*, IV 4(xxi) and others by arrangement.

**Syllabus** Topics in connection with all Urban Economics courses.

### 107 Economics of Housing

Dr Whitehead. Five lectures in the first half of the Michaelmas Term.

For M.Sc.: *Urban Economics*, IV 4(xxi).

**Syllabus** Determinants of demand and supply of new housing in the free market, including some econometric models. The effect of new housing on the existing housing market. Effects of certain governmental policies on this supply and demand for housing.

**Recommended reading** R. E. Muth, "The Demand for Non-Farm Housing" in A. C. Harberger (Ed.), *The Demand for Durable Goods*; L. Grebler and S. J. Maisel, *Determinants of Residential Construction*; D. B. Suits *et al.*, *Impacts of Monetary Policy*; W. G. Grigsby, *Housing Markets and Public Policy*. Other reading will be suggested at the beginning of the course.

### 108 Urban Public Economy

Mr Kirwan. Five lectures in the second half of the Michaelmas Term.

For M.Sc.: *Urban Economics*, IV 4(xxi).

**Syllabus** The economics of the provision of urban services. Revenue and expenditure control.

**Recommended reading** R. Musgrave, *Theory of Public Finance*; J. Margolis and H. Guitton (Eds.), *Public Economics* (esp. papers by Samuelson and Musgrave); B. Weisbrod, "Income Redistribution Effects and Benefit-Cost Analysis" in S. Chase (Ed.), *Public Expenditure Analysis*; H. G. Schaller (Ed.), *Public Expenditure in the Urban Community*.

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### 109 Economics of Urban Planning and Spatial Distribution

Mr Foster. Five lectures in the second half of the Lent Term.

For M.Sc.: *Urban Economics*, IV 4(xxi).

**Syllabus** Analysis of physical planning as an economic process. Evaluation of controls. Analysis of urban programmes with important distributive implications. Causes of urban poverty. Policies to relieve urban poverty.

**Recommended reading** will be given at the beginning of the Session.

### 110 Environmental Economics

Mr Foster. Five lectures in the first half of the Summer Term.

For M.Sc.: *Urban Economics*, IV 4(xxi); *Economics of Transport*, IV 4(xi); XIV 3(x).

**Syllabus** Economic analysis of pollution, noise, visual intrusion and other neighbourhood effects of urban policies and investment programmes.

**Recommended reading** J. H. Dales, *Pollution, Property and Prices*; R. G. Riddier, *Economic Costs of Air Pollution*; C. D. Buchanan, *Traffic in Towns*; H. S. Perloff, *Quality of the Urban Environment*.

### 111 Introduction to Cost-Benefit Analysis

Mr Flowerdew. Five lectures in the second half of the Michaelmas Term.

For M.Sc.: *Mathematical Methods in Planning*, XIV 3(xii); *Economics of Regional and Urban Planning*, XV 1 and others by permission.

**Syllabus** Principles of cost-benefit analysis. Externalities in cities. Valuing intangibles. Congestion and pollution. Cost-benefit analysis in planning.

**Recommended reading** A. R. Prest and R. Turvey, "Cost-benefit Analysis: A Survey" (*The Economic Journal*); H. G. Welsh and Alan Williams, *Current Issues in Cost-benefit Analysis*; J.

Rothenberg, *Economic Evaluation of Urban Renewal*; N. Lichfield, "Evaluation Methodology of Urban and Regional Plans: A Review" (*Regional Studies*).

### 112 Housing: Institutions and Economics

Miss Nevitt and Mr Foster. Ten lectures, Lent Term.

For M.Sc.: *Economics of Regional and Urban Planning*, XV 1; *Housing and Town Planning*, XVII A 2(iv).

**Syllabus** The application of economic analysis to the housing market.

**Recommended reading** L. Needleman, *Economics of Housing*; A. A. Nevitt, *Economics and Problems of Housing*; A. A. Nevitt, *Housing, Taxation and Subsidies*; A. N. Page and W. R. Seyfried (Eds.), *Urban Analysis*.

Students taking Urban Economics in the M.Sc. should also attend the following courses:

No. 79 Urban and Transport Modelling

No. 83 The Economics of Multi-level Government Structures.

## MARX'S ECONOMICS IN THE LIGHT OF CONTEMPORARY ECONOMIC ANALYSIS

### 113 Marx's Economics in the Light of Contemporary Economic Analysis

Professor Morishima. Ten lectures, Lent Term.

For M.Sc.: *Marx's Economics in the Light of Contemporary Economic Analysis*, IV 4(xxii).

**Description of course** Labour theory of value. Theory of exploitation. Transformation problem. Reproduction scheme. Law of relative surplus population. Towards the von Neumann revolution. The treatment is analytical and mathematical to enable Marx's

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contributions to be placed in the context of contemporary economic analysis. However, no advanced knowledge of mathematics is assumed.

**Recommended reading** A. Brody, *Proportions, Prices and Planning*; I. Adelman, *Theories of Economic Growth and Development*; J. Robinson, *An Essay on Marxian Economics*; P. Sraffa, *Production of Commodities by Means of Commodities*; P. M. Sweezy, *The Theory of Capitalist Development*.

### 113(a) Classes

Ten classes.

### (B) M.Sc. in Econometrics and Mathematical Economics

#### 114 Seminar in Quantitative Economics

Professor Gorman, Professor Sargan and others. Sessional.

For M.Sc.: *Quantitative Economics, I and II*, V 1 and 2(i) and (ii).

**Description of course** Papers will cover recent work in quantitative economics, the econometric models and methodology used and an economic interpretation of the results.

**Recommended reading** S. J. Prais and E. S. Houthakker, *Analysis of Family Budgets*; M. Friedman, *The Consumption Function*; C. Christ, *Measurement in Economics*; R. Stone, *A Programme for Growth*, Vols. 1-5; N.B.E.R., *Models of Income Determination*; J. S. Duesenberry, G. Fromm, L. R. Klein, E. Kuh, *The Brookings-S.S.R.C. Quarterly Econometric Model of the U.S. Economy*.

#### 115 Econometric Methodology for Quantitative Economics

Professor Sargan. Ten lectures, Michaelmas Term.

For M.Sc.: *Quantitative Economics I*, V 1 and 2(i).

**Description of course** More applied

aspects of econometric methods. Dummy variables. Demographic variables. Instrumental variables with applications to permanent income hypothesis. Simultaneous equations systems with applications to production functions. Extraneous estimators and the combination of several samples. Covariance analysis.

**Recommended reading** as for Course No. 114.

#### 116 Aggregation in Economics and Econometric Models

Professor Gorman. Ten lectures, Lent Term.

For M.Sc.: *Quantitative Economics II*, V 1 and 2(ii).

#### 117 Advanced Mathematical Economics

For M.Sc.: *Advanced Mathematical Economics I and II*, V 2(v) and (vi).

Students will be expected to be familiar with the work for the undergraduate paper Mathematical Economics I.

#### (i) Consumption, Production and Aggregation Theory

Professor Gorman. Ten lectures, Lent Term.

#### (ii) General Equilibrium Analysis

Professor Hahn. Ten lectures, Lent Term.

#### (iii) Theory of Growth

Professor Morishima. Twenty lectures, Michaelmas Term.

#### (iv) Special Topics

Professor Morishima. Eight lectures, Lent Term.

#### (v) Optimum Growth

Mr Nickell. Ten lectures, Summer Term.

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(vi) **Duality and Aggregation**  
Professor Gorman. Sixteen lectures, Lent and Summer Terms.

(vii) **Collective Choice**  
Professor Sen, Eight lectures, Michaelmas Term.

#### 118 Seminar in Mathematical Economics

Professor Hahn, Professor Gorman and Professor Morishima. Fortnightly, Sessional.

For M.Sc.: *Advanced Mathematical Economics I and II*, V 2(v) and (vi).

#### 119 Econometric Theory

Professor Sargan. Twenty-five lectures, Sessional.

For M.Sc.: *Econometric Theory I*, V 2(iii) and (iv); XIII option d; XIV 3(viii); XXIII 5.

**Description of course** Least squares, Aitken generalised, with lagged endogenous variables, heteroskedastic and autoregressive errors. Two-stage and three-stage least squares. Limited and full information maximum likelihood estimates.

**Recommended reading** J. Johnston, *Econometric Methods*; A. S. Goldberger, *Econometric Theory*; E. Malinvaud, *Statistical Methods of Econometrics*.

#### 119(a) Classes

Twenty classes, Michaelmas and Lent Terms.

#### 120 Seminar in Econometrics

Professor Sargan and Professor Gorman. Fortnightly, Sessional.

For M.Sc.: *Econometric Theory I and II*, V 2(iii) and (iv). Others will be admitted only by permission of Professor Gorman or Professor Sargan.

### (C) M.Sc. in Regional and Urban Planning Studies

**121 Seminar in Regional and Urban Economics**  
Professor Day. Fifteen meetings, Lent and Summer Terms.

For M.Sc.: *The Economics of Regional and Urban Planning*, XV 1.

### III Other Graduate Courses

For courses intended primarily for M.Sc. students, see under the appropriate M.Sc. heading.

#### 122 Problems in Industrial Administration

Professor Sir Ronald Edwards. Sessional (evening). Admission strictly by permission of Professor Sir Ronald Edwards.

The seminar, which is organized jointly with the London Graduate School of Business Studies, will be attended by industrialists, professional businessmen and civil servants as guests, and each discussion will be based on a paper prepared and circulated in advance. The papers will be concerned with such matters as the following: distinctive features of cost, demand, organization and management in different firms and industries; marketing, including export business; economic and other considerations affecting industrial design; organization and economics of research; the development of new enterprises; industrial location in the light of present government policy; labour relations and the human factor; relations with trade associations and government departments.

#### 123 Monetary Economics: Theory and Testing

Professor H. G. Johnson and Mr Alford. Michaelmas and Lent Terms.

This seminar is for staff and graduate



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students working for the M.Phil and Ph.D. degrees. It will cover general monetary theory, and theory and testing in relation to: (a) the U.K. monetary system, (b) the U.S. monetary system, and (c) the international monetary system. Application for admission should be made in writing to Mr Alford in the first week of the Michaelmas Term.

### 124 Research Seminar in the Economics of Education

Professor Blaug. Fortnightly, Lent and Summer Terms.

For academic staff and research students. Optional for M.Sc.: *Economics of Education and Human Capital*, IV 4(xx). Admission by permission of Professor Blaug.

### 125 Workshop in Economic Research

Professor H. G. Johnson, Professor Walters and Mr J. J. Thomas. Sessional.

For research degree students. This workshop offers students writing dissertations the opportunity to present their work for criticism and advice by staff and fellow students.

### 126 Computer Programs for Economists

Dr Hendry, Professor Sargan and Dr Wymer. Lent Term.

For research degree students in Economics. This course will consider programs designed to apply a variety of econometric methods, including analysis of time-series data, autocorrelation problems, simultaneous equation models, prediction and simulation, and the estimation of non-linear equations.

### 127 Contemporary Economics

Professor H. G. Johnson. Michaelmas Term.

An informal discussion group for M.Sc. and other graduate students in Economics.

### 128 Further Methods of Economic Investigation

Dr Wallis and others. Ten lectures, Lent Term.

For graduate students in economics.

## IV Additional Courses for Undergraduates and Graduates

### 129 Behaviouralism and Economic Analysis

Dr Devletoglu. Five lectures, Michaelmas Term.

Suitable for graduate students.

**Description of course** A survey of the major recent attempts to emphasise human behaviour in economic analysis in a manner compatible with current developments in the behavioural disciplines. The lectures will concentrate on the theory of consumer and firm behaviour, but will also consider problems in macro-behaviour.

**Recommended reading** N. Georgescu-Roegen, *Analytical Economics*, 1966, Parts I and II; F. M. Nicosia, *Consumer Decision Processes*, 1966; A. G. Papandreou, "Some Basic Problems in the Theory of the Firm" (*A Survey of Contemporary Economics*, Vol. II, A.E.A., 1952); J. A. Howard, *Buyer and Executive Behavior*, 1963; R. M. Cyert and J. G. March, *A Behavioral Theory of the Firm*, 1963; N. E. Devletoglu, "A Dissenting View of Duopoly and Spatial Competition" (*Economica*, May, 1965); H. A. Simon, "Theories of Decision-Making in Economics and Behavioural Science" (*Surveys of Economic Theory*, A.E.A.-R.E.S., 1966); N. E. Devletoglu and P. A. Demetriou, "Choice and Threshold" (*Economica*, November, 1967); N. E. Devletoglu, "Threshold and Rationality" (*Kyklos*, Fasc. 4, 1968); J. Buchanan, *Cost and Choice*, 1970; N. E. Devletoglu, "Thresholds and Transaction Costs" (*The Quarterly Journal of Economics*, February 1971), or *Consumer Behaviour*, 1971.

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### 130 Introduction to Linear Programming

Dr Makower. Five lectures, Lent Term.

Suitable for undergraduates.

**Suggested reading** J. Hadar, *Elementary Theory of Economic Behaviour*, chap. 11; H. Makower, *Activity Analysis*; J. R. Hicks, "Linear Theory" (*The Economic Journal*, December 1960); W. J. Baumol, "Activity Analysis in One Lesson" (*The American Economic Review*, December 1958).

### 131 The U.K. Capital Market

Mr Alford. Nine lectures, Michaelmas Term.

**Syllabus** Framework of the U.K. capital market; the characteristics and functions of the chief financial institutions; banks; hire purchase finance companies; investment and unit trusts; insurance companies; official and semi-official financial institutions; the Stock Exchange and the new issue market; monetary policy.

**Recommended reading** H. B. Rose, *Economic Background to Investment*, Parts 2 and 5; C.O.I., Reference Pamphlet 24, *British Financial Institutions* and 65, *The British Banking System* (H.M.S.O.); F. W. Paish, *Business Finance* (3rd edn.); J. Bates, *The Financing of Small Business*; Investors Chronicle Ltd., *The New "Beginners Please"*, chaps. 3, 4, 6; A. Vice, *Balance Sheet for Takeovers* (*Hobart Paper* 3).

### 132 Methodology of Cost-Benefit Studies of the Location of Airports

Professor Walters. Four lectures, Lent Term.

For graduate students and undergraduates by permission of Professor Walters.

### 133 The Political Economy of Opulence

Professor H. G. Johnson. Five lectures, Michaelmas Term.

**Description of course** The course will

attempt to present an integrated approach to the study of modern economic problems in terms of applications of capital theory. It will deal with consumption and advertising, education, research and development, the economic theory of politics, and economic development.

### 134 Marxian Economics

Professor Wiles and Dr Desai. Ten lectures, Lent Term.

For graduate and undergraduate students specialising in economics.

**Recommended reading** will be given at the beginning of the course.

### 135 System-, Information- and Control-Theoretic Approach to Planning

Dr Zauberman. Ten lectures, Summer Term.

For M.Sc.: *Theory and Implementation of Detailed Planning*, IV 4(xviii).

**Recommended reading** will be given at the beginning of the course.

### 136 Economic Integration

Twenty lectures and ten seminars, Michaelmas and Lent Terms.

Primarily for graduate students.

### 137 Welfare Economics and Political Conflicts

Professor Sen. Six lectures, Lent Term.

**Description of course** Political choices involved in interpersonal and intergroup conflicts will be discussed and traditional welfare economics will be reviewed in that light.

**Recommended reading** will be given at the beginning of the course.

### 138 Economics of Environment

Dr Desai. Five lectures, Michaelmas Term.



## Accounting and Finance

### 150 Preliminary Accounting

Professor Baxter and others.

Eight lectures, Michaelmas Term.

For B.Sc. (Econ.) Part I.

This is an optional introduction to accounting for students who may take the subject at Part II. The aim is to explain the subject's scope, the organization of the accounting profession, and the kind of careers that it offers.

### 151 Accounting I: Introduction

Professor Edey. Fifteen lectures and fifteen classes, Michaelmas and Lent Terms.

For B.Sc. (Econ.) Part II (second year):

*Accounting and Finance*, V 6, 7 and 8; *Accounting—Management and Economic Aspects*, I 3b; II 5d; III 3b; IV 6, 7 and 8h; *Management Data Processing*, XI 3; B.Sc. (Maths.) 5-8e (second year); M.Sc.: *Economic Aspects of Accounting* (3), I 1; IV 4(xvi); XIII A 1; XIV 3(ix); *Management Accounting*, XIII option 1.

**Syllabus:** The balance sheet and the income account. Assets and finance. Flow of funds statements. Interpretation.

**Recommended reading** H. C. Edey, *Business Budgets and Accounts*, chaps. 1-3; *Introduction to Accounting*; C. T. Horngren, *Accounting for Management Control* (chaps. 1-5); F. W. Paish, *Business Finance*. Reference may also be made to W. T. Baxter and S. Davidson (Eds.), *Studies in Accounting Theory*.

### 152 Accounting IIa: Company Accounting

Mr French. Twelve lectures and twelve classes, Lent and Summer Terms.

For B.Sc. (Econ.) Part II: *Accounting and Finance*, V 6, 7 and 8 (second year); M.Sc.: *Economic Aspects of Accounting* (3), I 1; XIII A 1.

**Note** Accounting I (Course No. 151) is a prerequisite for Accounting IIa.

**Syllabus** The nature and significance of limited liability companies; the formation

and financing of a new company; the legal requirements relating to company accounts; the preparation of company final accounts; the revenue account including dividend policy; the balance sheet with particular reference to capital maintenance and capital structure; the interpretation of the final accounts of companies; group structure and group accounts.

**Recommended reading** The works mentioned under Accounting I, Course No. 151; H. Bierman and A. Drebin, *Financial Accounting: An Introduction*; B. S. Yamey, "The Development of Company Accounting Conventions" (*Three Banks Review*, September 1960); F. W. Paish, *Business Finance*; H. C. Edey, "Accounting Principles and Business Reality" in H. C. Edey and B. V. Carsberg (Eds.), *Modern Financial Management*. Reference may be made to *The Companies Acts, 1948 and 1967*; *Report of the Company Law Committee* (Cmnd. 1749, 1962); H.M.S.O., 1960-62 *Minutes of Evidence taken before the Company Law Committee*; K. F. Byrd, *The Preparation of Consolidated Balance Sheets of Holding and Subsidiary Companies*. For descriptions of company accounting practice see Rowland, *Principles of Accounts*; E. E. Spicer and E. C. Pegler, *Book-keeping and Accounts* or Jones, *Guide to Company Balance Sheets*. For an American approach see M. J. Gordon and G. Shillinglaw, *Accounting: a Management Approach*.

### 153 Accounting IIb: Management Information Systems

Mr Watson. Ten lectures and ten classes, Summer Term.

For B.Sc. (Econ.) Part II (second year): *Accounting and Finance*, V 6, 7 and 8.

**Note** Accounting I (Course No. 151) is a prerequisite for Accounting IIb.

**Syllabus** Basic features of the accounting information system. Electronic data processing. The design of systems. Internal control.

**Recommended reading** Reference may be made to H. N. Laden and T. R. Gildersleeve, *Systems Design for Computer*

## Accounting and Finance

Applications; R. H. Gregory and R. L. Van Horn, *Automatic Data-Processing Systems*.

### 154 Accounting IIc: Budgetary Planning and Control

Mrs Dev. Seven lectures and seven classes, Lent Term.

For B.Sc. (Econ.) Part II: *Accounting—Management and Economic Aspects*, I 3b; II 5d; III 3b; IV 6, 7 and 8h (third year); M.Sc.: *Economic Aspects of Accounting* (3), I 1; XIII A 1; *Management Accounting*, XIII option 1.

**Syllabus** Short-run planning and control in the firm. Budgetary control. Responsibility and control. Analysis of cost and revenue for pricing, output, and other decisions. Presentation of cost information.

**Recommended reading** H. C. Edey, *Business Budgets and Accounts*; C. T. Horngren, *Accounting for Management Control*, chaps. 6–17.

### 155 Accounting IIIa: Capital Budgeting

Mr Watson. Ten lectures and eight classes, Michaelmas Term.

For B.Sc. (Econ.) Part II (third year): *Accounting and Finance*, V 6, 7 and 8; *Accounting—Management and Economic Aspects*, I 3b; II 5d; III 3b; IV 6, 7 and 8h; M.Sc.: *Economic Aspects of Accounting I and II*, I 1; IV 4(xvi); XIII A 1; XIV 3(ix); *Management Accounting*, XIII option 1.

**Syllabus** Financial and investment decisions in the firm. The use of models. Methods of finance. Risk and uncertainty. Capital rationing situations. The dividend decision.

**Recommended reading** Relevant parts of: W. J. Baumol, *Economic Theory and Operations Analysis* (2nd edn.); J. C. Van Horne, *Financial Management and Policy*; H. Bierman and S. Smidt, *The Capital Budgeting Decision* (2nd edn.). Further reading will be recommended during the course.

### 156 Accounting IIIb

Professor Baxter. Eighteen meetings, Michaelmas and Lent Terms.

For B.Sc. (Econ.) Part II (third year): *Accounting and Finance*, V 6, 7 and 8.

**Syllabus** Problems of finance and financial accounting, with particular reference to such topics as company accounting procedures, capital structure, reconstructions and mergers, valuation of business interests, and measurement of income.

**Recommended reading** Relevant parts of W. T. Baxter and S. Davidson (Eds.), *Studies in Accounting Theory*; J. C. Bonbright, *The Valuation of Property*, chaps. I to XII and XXVI; B. V. Carsberg and H. C. Edey (Eds.), *Modern Financial Management*; R. H. Parker and G. C. Harcourt (Eds.), *Readings in the Concept and Measurement of Income*. Reference may be made to such standard textbooks as E. E. Spicer and E. C. Pegler, *Book-keeping and Accounts* (16th edn.); R. N. Anthony, *Management Accounting*; M. J. Gordon and G. Shillinglaw, *Accounting: a Management Approach*. Other works will be recommended during the course.

### 157 History of Accounting

Professor Yamey and Mr de Ste. Croix. Three lectures, at times to be arranged.

For B.Sc. (Econ.) Part II (third year): *Accounting and Finance*, V 6, 7 and 8; M.Sc.: *Economic Aspects of Accounting I and II*, I 1; XIII A 1 and others interested.

### 158 Accounting and Economic Theory

Professor Baxter and Mr Gould. Michaelmas and Lent Terms.

For B.Sc. (Econ.) Part II: *Accounting and Finance*, V 6, 7 and 8 (third year).

**Syllabus** Business valuation, cost analysis and other types of economic analysis and accounting will be discussed.

## Accounting and Finance

### 159 Accounting for Non-Specialists

Mrs Dev. Seven meetings, Lent Term.

For B.Sc. (Econ.) Part II (third year):

**Whole Course:** *Accounting—Management and Economic Aspects*, I 3b; II 5d; III 3b; IV 6, 7 and 8h; **First five meetings only:** *Management Data Processing*, XI 3; B.Sc. (Maths.) 5–8e.

**Syllabus** Revision of Courses Nos. 151 and 154.

**Recommended reading** As for Courses Nos. 151 and 154.

### 160 Business Finance for Trades Union Studies Course

Mr J. W. Smith. Ten meetings, Lent Term.

### 161 Accounting Problems

Professor Baxter and others. Ten meetings of one hour each, Michaelmas and Lent Terms.

For B.Sc. (Econ.) Part II: *Accounting and Finance*, V 6, 7 and 8 (third year).

### 162 Accounting IIIc: Public Sector Accounting

Mr French. Five lectures and five classes, Lent Term.

For B.Sc. (Econ.) Part II: *Accounting and Finance*, V 6, 7 and 8 (third year).

**Syllabus** The planning, appraisal and finance of real investment projects in the public sector with emphasis on the contrasts with private sector practice.

**Recommended reading** "Output Budgeting and the Contribution of Macro-Economics to Efficiency in Government" (*C.A.S. Occasional Paper* No. 4, H.M.S.O.); P. D. Henderson, "Investment Criteria for Public Enterprises" in R. Turvey (Ed.), *Public Enterprise*; O. Eckstein, "A Survey of the Theory of Public Expenditure Criteria" in R. W. Houghton (Ed.), *Public Finance*; J. V. Krutilla and O. Eckstein, *Multiple Purpose River Development*; A. R. Prest and R. Turvey, "Cost-Benefit Analysis – A Survey" in *Surveys in*

*Economic Theory*, Vol. 3; E. L. Norman, *The Accountability and Audit of Governments*; H. H. Hinrichs and G. M. Taylor, *Program Budgeting and Benefit-Cost Analysis: Cases, Text and Reading*. Further references will be given at the beginning of the course.

## FOR GRADUATE STUDENTS

### 165 Business Finance for Diploma in Personnel Management

Mr J. W. Smith. Ten meetings, Lent Term.

### 166 Valuation and Accounting Theory

Professor Baxter. Fifteen meetings, Michaelmas and Lent Terms.

For M.Sc.: *Economic Aspects of Accounting I and II*, I 1.

### 167 Simulation Models

Professor Flower. Ten lectures and ten classes, Michaelmas and Lent Terms.

Students taking this course for M.Sc. in Accounting and Finance will be examined on a written report.

### 168 Long-Term Planning and Control

Professor Bromwich. Twenty meetings, Lent Term.

For M.Sc.: *Economic Aspects of Accounting I and II*, I 1; IV 4(xvi); XIII A 1; XIV 3(ix).

### 169 Topics in Cost-Benefit Analysis

Mr French. Ten lectures, Michaelmas Term.

For M.Sc.: *Economic Aspects of Accounting I and II*, I 1.

*Accounting and Finance*

**170 Problems in Accounting and Finance**

Professor Edey. Ten meetings, Michaelmas Term.

For M.Sc.: *Economic Aspects of Accounting I and II*, I 1; IV 4(xvi); XIII A 1; XIV 3(ix).

**171 Capital Budgeting**

Professor Carsberg. Twenty meetings, Lent Term.

For M.Sc.: *Economic Aspects of Accounting I and II*, I 1; IV 4(xvi); XIII A 1; XIV 3(ix).

**172 Introductory Mathematics for Accounting and Finance**

Professor Offord. Twenty lectures, Michaelmas and Lent Terms.

For M.Sc. in Accounting and Finance and Management Studies A (preliminary year).

**Note M.Sc. in Accounting and Finance and in Management Studies A (preliminary year):** for courses in Accounting see Courses Nos. 151 to 156 and for courses in Micro-economics and Macro-economics see Courses Nos. 28(i) and 28(ii). For M.Sc. (final year) course in Economics of Industry see Course No. 84.

**Geography**

**COURSES FOR B.Sc. (ECON.) PART I**

**173 Introduction to Human Geography**

Professor Wain and Professor

1968-1969. Twenty-five lectures, Michaelmas Term. 1969-1970. Twenty-five lectures, Michaelmas Term.

1970-1971. Twenty-five lectures, Michaelmas Term. 1971-1972. Twenty-five lectures, Michaelmas Term.

1972-1973. Twenty-five lectures, Michaelmas Term. 1973-1974. Twenty-five lectures, Michaelmas Term.

1974-1975. Twenty-five lectures, Michaelmas Term. 1975-1976. Twenty-five lectures, Michaelmas Term.

1976-1977. Twenty-five lectures, Michaelmas Term. 1977-1978. Twenty-five lectures, Michaelmas Term.

1978-1979. Twenty-five lectures, Michaelmas Term. 1979-1980. Twenty-five lectures, Michaelmas Term.

1980-1981. Twenty-five lectures, Michaelmas Term. 1981-1982. Twenty-five lectures, Michaelmas Term.

**174 Physical Geography**

Dr Hamilton and others.

**COURSES FOR B.Sc. AND B.Sc. (ECON.) PART II**

1968-1969. Twenty-five lectures, Michaelmas Term. 1969-1970. Twenty-five lectures, Michaelmas Term.

1970-1971. Twenty-five lectures, Michaelmas Term. 1971-1972. Twenty-five lectures, Michaelmas Term.

1972-1973. Twenty-five lectures, Michaelmas Term. 1973-1974. Twenty-five lectures, Michaelmas Term.

1974-1975. Twenty-five lectures, Michaelmas Term. 1975-1976. Twenty-five lectures, Michaelmas Term.

1976-1977. Twenty-five lectures, Michaelmas Term. 1977-1978. Twenty-five lectures, Michaelmas Term.

1978-1979. Twenty-five lectures, Michaelmas Term. 1979-1980. Twenty-five lectures, Michaelmas Term.

1980-1981. Twenty-five lectures, Michaelmas Term. 1981-1982. Twenty-five lectures, Michaelmas Term.

## Geography

Courses are given in the Joint School of Geography at the London School of Economics and at King's College, London. Academic arrangements are integrated and, in most courses, students are taught in common by teachers of both colleges. However, the introduction of college syllabuses for the B.Sc. has meant the introduction of separate teaching provision for part of this degree and has involved some re-arrangement of courses for other degrees. All students should take care to identify the courses needed to complete their specific degree requirements. Systematic and regional course units in Geography are given in lists A and B on pages 190-2. Reference to these lists is made in the rubrics of the courses concerned.

### COURSES FOR B.Sc. (ECON.) PART I

#### 182 Introduction to Human Geography

Professor Wise and Professor Jones. Thirty-five lectures, Sessional.

For B.Sc. (Econ.) Part I: alternative subject 12, *Human Geography*.

**Syllabus** The scope of modern geography. An introductory survey of the progressive extensions of the known world, of the evolution of geographical thought, and current ideas on the development of the subject. The approach is that of selecting topics to introduce students to more specific examples of thought and method, and to an evolution of modern work in the fields of economic and social geography. Some of the themes which are dealt with in greater detail include: the concepts of "environment" in geography; changing theoretic concepts; man's modification of the environment; the regional concept, including economic and urban regions; location of settlement; the locational approach in geography; population analysis and immigration; economic activity; applied

geography; urban settlements. In each theme considerable emphasis will be given to spatial and locational values, with special reference to new theories and techniques.

**Recommended reading** P. Ambrose, *Analytical Human Geography*; R. Arvill, *Man and Environment*; M. Chisholm, *Geography and Economics*; R. J. Chorley and P. Haggett (Eds.), *Socio-Economic Models in Geography*; J. I. Clarke, *Population Geography*; R. E. Dickinson, *City and Region*; R. E. Dickinson, *Regional Ecology*; R. C. Estall and R. O. Buchanan, *Industrial Activity and Economic Geography*; P. Haggett, *Locational Analysis in Human Geography*; J. H. Johnson, *Urban Geography*; R. Minshull, *The Changing Nature of Geography*; R. L. Morrill, *The Spatial Organisation of Society*; W. Zelinsky, *A Prologue to Population Geography*.

#### 182(a) Geography Class Dr Hamilton and others.

### COURSES FOR B.Sc. AND B.Sc. (ECON.) PART II

**Note** Students reading for B.Sc. are required to attend three field classes, one in each year of their course. Students reading Geography as a special subject in Part II of the B.Sc. (Econ.) are required to attend two field classes, one in the second and one in the third year of their course. The field classes are normally of one week's duration and are customarily arranged during the Easter vacation.

#### 184 Physical Geography

Dr Brunsdon, Miss Coleman, Mr Drewett, Mr D. K. C. Jones, Dr M. Jones and Dr F. Rose.

Compulsory for B.Sc. (first year):  
1 course unit.

**Syllabus** The course is concerned with landforms, weather and climate, and vegetation and soils. Basic principles, concepts and relationships between the different fields of physical geography are

## Geography

stressed. Three introductory lectures discuss scale, time and systems in physical geography, and are followed by:

### I Landforms

Sixteen lectures, Michaelmas and Lent Terms.

**Syllabus** The earth's primary features, continental drift, sea-level change, weathering and mass movements, hydrology and drainage systems and coastal geomorphology.

**Recommended reading** M. Morisawa, *Streams*; A. Holmes, *Principles of Physical Geology*; W. D. Thornbury, *Principles of Geomorphology*; B. W. Sparks, *Rocks and Relief*; J. Gilluly, A. C. Waters and A. O. Woodford, *Principles of Geology*; J. A. Steers (Ed.), *Introduction to Coastline Development*.

### II Meteorology and Climatology

Seventeen lectures, Michaelmas and Lent Terms.

**Syllabus** The atmosphere, its heat and moisture balance, global circulation, air masses and weather systems, micro-climate.

**Recommended reading** G. T. Trewartha, *An Introduction to Climate*; H. Riehl, *Introduction to the Atmosphere*; G. T. Trewartha, *The Earth's Problem Climates*; R. G. Barry and R. J. Chorley, *Atmosphere, Weather and Climate*; H.M.S.O., *A Course in Elementary Meteorology*.

### III Biogeography

Eighteen lectures, Lent and Summer Terms.

**Syllabus** Biological history of the earth, ecosystems, world vegetation and soils, water ecosystems, pollution and conservation.

**Recommended reading** R. L. Donahue, *Soils*; C. S. Elton, *Animal Ecology* (1966 reprint); S. R. Eyre, *Vegetation and Soils*; J. R. Matthews, *Origin and Distribution of the British Flora*; E. P. Odum, *Ecology* (Modern Biology Series); *Fundamentals*

*of Ecology* (1968); A. G. Tansley, *Britain's Green Mantle* (1968).

### 185 Man and his Physical Environment

Dr Thornes, Mr D. K. C. Jones and Mrs Rees. Forty-five lectures, Sessional.

For B.Sc. (Econ.) Part II: *Man and his Physical Environment*, XV 7 and 8f (normally taken in third year); B.Sc. A 24 (second or third year):  $\frac{1}{2}$  course unit (selected lectures).

**Syllabus** Concepts of systems, resources, conservation and management. The physical environment as the stage of man's activities. Aspects of the atmosphere, lithosphere, hydrosphere and biosphere subsystems and the ways in which they affect and are affected by man. Case studies of system interactions and implications for planning. Economic criteria in man's development of the landscape.

**Recommended reading** R. Arvill, *Man and Environment*; I. Burton and R. W. Kates, *Readings in Resource Management and Conservation*; W. L. Thomas Jr., *Man's Role in Changing the Face of the Earth*; R. J. Chorley (Ed.), *Water, Earth and Man*.

### 186 Human Geography

Professor Morgan and others. Forty-six lectures, Sessional.

Compulsory for B.Sc. (first year); 1 course unit.

**Syllabus** An introduction to the field of human geography including a general study of the evolving relationship between man and his physical environment. Emphasis will be laid on the geography of population and the geography of society.

**Recommended reading** R. Arvill, *Man and Environment*; A. Barnett, *The Human Species*; A. M. Bates, *Man in Nature*; E. Boserup, *The Conditions of Agricultural Growth*; A. M. Carr-Saunders, *World Population*; M. Chisholm, *Rural Settlement and Land Use*; J. I. Clarke, *Population Geography*; C. D. Forde, *Habitat*,

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*Economy and Society*; P. Haggett, *Locational Analysis in Human Geography*; H. H. McCarty and J. B. Lindberg, *A Preface to Economic Geography*; E. Jones, *Human Geography*; P. L. Wagner, *The Human Use of the Earth*; P. L. Wagner and M. W. Mikesell, *Readings in Cultural Geography*; J. H. Johnson, *Urban Geography*; R. S. Thomas, E. C. Coutling and M. H. Yeates, *The Geography of Economic Activity, 1968*; R. L. Morrill, *The Spatial Organisation of Society*.

### 187 Spatial Analysis I

Compulsory for B.Sc. (first year): 1 course unit.

#### (i) Spatial Analysis

Dr Board and Mr Goddard. Twenty-five classes, Sessional

**Syllabus** An introduction to theoretical and quantitative geography; maps and other graphic means of information storage and communication; the analysis of the regional system: movement, networks, nodes, hierarchies and surfaces.

**Recommended reading** P. Haggett, *Locational Analysis in Human Geography*; B. J. L. Berry and D. F. Marble, *Spatial Analysis: A Reader in Statistical Geography*; R. J. Chorley and P. Haggett (Eds.), *Models in Geography*; M. H. Yeates, *An Introduction to Quantitative Analysis in Economic Geography*.

#### (ii) Statistical Techniques in Geographical Analysis

Mr Spence. Twenty-five classes, Sessional.

**Syllabus** An introduction to the use of statistical techniques in geographical analysis, with special reference to computers and computer programming.

**Recommended reading** M. R. Spiegel, *Theory and Problems of Statistics*; W. C. Krumbein and F. A. Graybill, *Statistical Models in Geology*; L. J. King, *Statistical Analysis in Geography*.

### 187(a) Practical Class

Mr Goddard. Sessional.

Compulsory for B.Sc. (Econ.) Part II: special subject Geography (second year). **Syllabus** The application of quantitative methods to spatial analysis. Map analysis and cartographic representation of statistical data.

**Recommended reading** B. J. L. Berry and D. F. Marble, *Spatial Analysis: A Reader in Statistical Geography*.

### 188 Spatial Analysis II

Mr Goddard. Twenty-five classes, Sessional.

For B.Sc. A25 (second year): 1 course unit. **Syllabus** A continuation of Spatial Analysis I, emphasising the practical application of quantitative methods of analysis to geographical problems. The syllabus covers methods of describing and analysing point, line and area patterns, measures of spatial association, the analysis of flow data and methods of classification and regionalisation. The practical classes are computer based, with students assessing data and programmes from departmental library tapes for class exercises.

**Recommended reading** B. J. L. Berry and D. F. Marble, *Spatial Analysis: A Reader in Statistical Geography*; L. J. King, *Statistical Analysis in Geography*.

### 189 Economic and Regional Geography of the British Isles

Dr K. R. Sealy, Mr D. K. C. Jones and Mrs Rees. Forty lectures, Michaelmas and Lent Terms.

Compulsory for B.Sc. (second year). Appropriate sections for B.Sc. (Econ.) Part II: *Economic and Regional Geography of the British Isles*, XV 3 (second year).

**Syllabus** A detailed treatment of the major regions of the British Isles. Appreciation of the conditions, physical, social and economic, that have influenced the modern pattern of settlement and land use. Special studies of selected industrial and agricultural areas. The modern economic geography of Britain, including distribution of population, location pattern of selected industries,

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evolution of the present pattern of land use.

**Recommended reading** L. D. Stamp and S. H. Beaver, *The British Isles*; J. B. Mitchell (Ed.), *Great Britain: Geographical Essays*; A. E. Trueman, *The Scenery of England and Wales*; U.K. Geological Survey and Museum, *British Regional Geology*; L. D. Stamp, *The Land of Britain: Its Use and Misuse*; Land Utilisation Survey of Britain, *The Land of Britain*; Wilfred Smith, *An Economic Geography of Great Britain*; T. W. Freeman, *Ireland*; A. E. Trueman, *The Coalfields of Great Britain*; E. G. Bowen (Ed.), *Wales*; A. E. Smailes, *North England*; J. A. Steers (Ed.), *Field Studies in the British Isles*; J. W. Watson and J. B. Sissons (Eds.), *The British Isles*; Ministry of Power, *Fuel Policy 1967*; J. T. Coppock and H. Prince (Eds.), *Greater London*; K. M. Clayton (Ed.), *Guide to London Excursions*; J. T. Coppock, *An Agricultural Atlas of England and Wales*; Clarendon Press, *Atlas of Britain*; E. Jones and D. J. Sinclair, *The Atlas of London* (1968); British Railways Board, *The Development of the Major Trunk Routes*; Ministry of Transport, *Roads for the Future*; Board of Trade, *The Movement of Manufacturing Industry in the U.K., 1945-65: The Intermediate Areas*.

### 190 Africa I (General)

Professor Harrison Church, Professor Pugh and Professor Morgan. Twenty-five lectures, Sessional.

For B.Sc. (Econ.) Part II: *Africa*, XV 4a (to be taken in conjunction with either Course No. 191 or Course No. 192); B.Sc. B 1 (second year):  $\frac{1}{2}$  course unit.

**Syllabus** A study of the physical environment and of the distribution of man and his economic activities, especially of Tropical Africa. Treatment will be by topics and by countries.

**Recommended reading** W. A. Hance, *The Geography of Modern Africa*; R. J. Harrison Church and others, *Africa and the Islands*; H. de Blij, *A Geography of Subsaharan Africa*; A. B. Mountjoy and C. Embleton, *Africa*; B. W. Hodder and

D. R. Harris, *Africa in Transition*; M. F. Thomas and G. W. Whittington, *Environment and Land Use in Africa*; A. M. Kaymark, *The Economics of African Development*; Oxford University, *Regional Economic Atlas of Africa*; P. Bohannan, *African Outline*; L. P. Green and T. J. D. Fair, *Development in Africa*.

### 191 Africa II (West)

Professor Harrison Church and Professor Morgan. Twenty lectures, Michaelmas and Lent Terms.

For B.Sc. B 2 (third year):  $\frac{1}{2}$  course unit; B.Sc. (Econ.) Part II: XV 4a (third year) (students take this course or course no. 192); M.A. (Area Studies); M. Sc.: *Geography of a particular Region*, VII 2(vi).

**Syllabus** A detailed study of West Africa, with emphasis on the parts played by the physical and cultural environments in economic development.

**Recommended reading** R. J. Harrison Church, *West Africa*; W. B. Morgan and J. C. Pugh, *West Africa*; K. M. Buchanan and J. C. Pugh, *Land and People in Nigeria*; E. A. Boateng, *A Geography of Ghana*; B. F. Johnston, *The Staple Food Economics of Western Tropical Africa*.

### 192 Africa III (Southern)

Dr Board. Twenty lectures with practical work, Michaelmas and Lent Terms.

For B.Sc. B 3 (third year):  $\frac{1}{2}$  course unit; B.Sc. (Econ.) Part II: XV 4a (third year) (students take this course or course no. 191).

**Syllabus** An examination of locational concepts in the regional framework of Southern Africa.

**Recommended reading** L. P. Green and T. J. D. Fair, *Development in Africa: A Study in Regional Analysis with Special Reference to Southern Africa*; South Africa, Department of Planning, *Development Atlas*; M. H. Yeates, *An Introduction to Quantitative Analysis in Human Geography*; J. Friedman, *Regional Developments Policy*.

## Geography

### 193 Europe (excluding the U.S.S.R.)

For B.Sc. (second or third year). The maximum number of course units on Europe is 1 $\frac{1}{2}$ . For B.Sc. (Econ.) Part II: *Europe*, XV 4c; (i) (second year) and one other section (third year).

#### (i) Europe: General Regional Geography

Dr Yates, Mr Sinclair and others. Twenty-five lectures, Sessional.

For B.Sc. B 4:  $\frac{1}{2}$  course unit.

**Recommended reading** G. W. Hoffman (Ed.), *A Geography of Europe*; M. R. Shackleton, *Europe*.

#### (ii) Western Europe (France, Belgium, Netherlands, Luxembourg)

Professor Harrison Church, Dr J. E. Martin and Mr Lawrence. Twenty-five lectures, Sessional.

For B.Sc. B 5:  $\frac{1}{2}$  course unit.

**Recommended reading** R. J. Harrison Church and others, *An Advanced Geography of Northern and Western Europe*; P. Pinchemel, *France: A Geographical Survey*; I. B. Thompson, *Modern France: A Social and Economic Geography*; D. I. Scargill, *Economic Geography of France*.

#### (iii) West Central Europe (Germany, Austria, Switzerland, Netherlands)

Dr Yates. Sessional.

For B.Sc. B 6:  $\frac{1}{2}$  course unit.

**Recommended reading** T. H. Elkins, *Germany*; K. Sinnhuber, *Germany, its Geography and Growth*; A. F. A. Mutton, *Central Europe*.

#### (iv) West Mediterranean Europe (Spain, Portugal, Italy, Mediterranean France)

Mr Sinclair, Michaelmas and Lent Terms. This course will be given if required.

For B.Sc. B 7:  $\frac{1}{2}$  course unit.

**Recommended reading** J. M. Houston, *The Western Mediterranean World*; D. S. Walker, *Italy*; J. P. Cole, *Italy*; W. B. Fisher and H. Bowen-Jones, *Spain: a Geographical Background*.

#### (v) Northern Europe (Denmark, Norway, Sweden, Finland)

Mr Sinclair. Twenty-five lectures, Sessional. This course will be given if required.

For B.Sc. B 8:  $\frac{1}{2}$  course unit.

**Recommended reading** A. Sømme (Ed.), *A Geography of Norden*; W. R. Mead, *An Economic Geography of the Scandinavian States and Finland*; R. Millward, *Scandinavian Lands*.

#### (vi) East Central Europe (East Germany, Poland, Czechoslovakia, Hungary, Rumania, Yugoslavia)

Dr Hamilton. Twenty-five lectures, Sessional.

For B.Sc. B 9:  $\frac{1}{2}$  course unit.

**Recommended reading** G. W. Hoffman (Ed.), *Eastern Europe: Essays in Geographical Problems*; R. H. Osborne, *East-Central Europe: A Geographical Introduction to Seven Socialist States*; F. E. I. Hamilton, *Yugoslavia: Patterns of Economic Activity*; N. J. G. Pounds, *Eastern Europe*.

### 194 The U.S.S.R.

Dr Hamilton. Sessional.

For B.Sc. (Econ.) Part II: *U.S.S.R.*, XV 4h (third year); B.Sc. B 10 (second or third year):  $\frac{1}{2}$  course unit.

**Recommended reading** J. P. Cole and F. C. German, *A Geography of the U.S.S.R.*; S. Balzak, F. Vasyutin and Ya. Feigin, *Economic Geography of the U.S.S.R.*; W. G. East, *The Soviet Union*; M. R. Shackleton, *Europe: A Regional Geography* (7th edn., Ed. W. G. East); D. J. M. Hooson, *The Soviet Union: A Regional Geography*.



## Geography

### 195 Monsoon Asia

Mr Rawson. Twenty-five lectures, Sessional.

For B.Sc. (Econ.) Part II: *Monsoon Asia*, XV 4f (third year); B.Sc. B 11 (second or third year):  $\frac{1}{2}$  course unit.

**Syllabus** Studies of environment and society in the countries from West Pakistan to Manchuria, inclusive. Treatment will be on a country and topic basis, with more detailed study of selected regions; some work on large-scale maps will be included.

**Recommended reading** W. G. East and O. H. K. Spate (Eds.), *The Changing Map of Asia*; A. D. C. Peterson, *The Far East*; J. Sion, *Asie des Moussons (Géographie Universelle, Tome IX, Pts. 1 and 2)*; L. D. Stamp, *Asia*; O. H. K. Spate, *India and Pakistan*; E. H. G. Dobby, *South East Asia*; J. E. Spencer, *Asia East by South*; G. B. Cressey, *Land of the 500 Million, A Geography of China*; O. Lattimore, *Inner Asian Frontiers of China*; G. T. Trewartha, *Japan*; E. A. Ackerman, *Japan's Natural Resources*; A. Pim, *Colonial Agricultural Production*; B. H. Farmer, *Pioneer Peasant Colonization in Ceylon*; R. R. Rawson, *The Monsoon Lands of Asia*; B. W. Hodder, *Man in Malaya*; C. A. Fisher, *South-east Asia*; H. C. Hart, *New India's Rivers*; N. Ahmad, *The Economic Geography of East Pakistan*. Other literature will be suggested during the course.

### 196 North America I: Geographical Patterns of Resources and Economic Development

Dr Estall and Dr Sealy. Twenty lectures, Sessional.

For B.Sc. B 13 (second or third year); B.Sc. (Econ.) Part II: *North America*, XV 4g (second year).

**Syllabus** A systematic review of the changing physical and human resources of the continent; an analysis of developments in leading sectors of the economy.

**Recommended reading** R. C. Estall, *A Modern Geography of the United States*; Oxford Regional Economic Atlas, *The United States and Canada*; C. Taeuber and

I. Taeuber, *The Changing Population of the U.S.A.*; M. Clawson, R. B. Held and C. H. Stoddard, *Land for the Future*; H. H. Landsberg, *Natural Resources for U.S. Growth*; D. J. Patton, *The United States and World Resources*; E. Higbee, *American Agriculture*; L. Haystead and G. C. Fite, *Agricultural Regions of the United States*; C. M. Green, *The Rise of Urban America*; S. B. Cohen (Ed.), *Problems and Trends in American Geography*.

### 196(a) North America I (Classes)

For B.Sc. B 13 (second or third year).

### 197 North America II: Regional Studies of Economic Growth and Change

Dr Estall and Dr K. R. Sealy. Twenty lectures, Sessional.

For B.Sc. B 14; B.Sc. (Econ.) Part II: *North America*, XV 4g (third year).

**Syllabus** A detailed analysis of the economic and social geography of selected regions and contrasting regional problems.

**Recommended reading** General texts: H. S. Perloff, E. S. Dunn, E. E. Lampard and R. F. Muth, *Regions, Resources and Economic Growth*; J. H. Paterson, *North America*; W. R. Mead and E. H. Brown, *The United States and Canada*; G. H. Dury and R. Mathieson, *The United States and Canada*; Special studies: R. C. Estall, *New England, A Study in Industrial Adjustment*; J. R. Ford (Ed.), *The Southern Appalachian Region: A Survey*; J. F. Hart, *The Southern United States*; L. M. Alexander, *The North Eastern United States*; J. Gottman, *Megalopolis*; J. H. Garland (Ed.), *The North American Midwest*; D. W. Lantis, R. Steiner and A. E. Karinen, *California: Land of Contrast*; R. H. Durrenberger, *California: The Last Frontier*. Some background to modern patterns and problems can be obtained from B. E. Supple (Ed.), *The Experience of Economic Growth*, part IV; H. F. Williamson (Ed.), *The Growth of the American Economy*, part V; A. Birnie, *A Short Economic History of the United States*.

## Geography

### 197(a) North America II (Classes)

For B.Sc. (third year).

### 198 Geomorphology I

Dr Brunsdon, Dr Embleton, Mr D. K. C. Jones and Dr Thornes. Twenty-five lectures, Sessional.

For B.Sc. A 1 (second or third year):  $\frac{1}{2}$  course unit; B.Sc. (Econ.) Part II, XV 7 and 8g (second year).

**Syllabus** A study of the processes of landform sculpture under differing climatic and structural environments. This course will involve some field work.

### 199 Geomorphology II

Dr Embleton and Mr D. K. C. Jones. Twenty-five lectures, Sessional.

For B.Sc. A 2 (second or third year):  $\frac{1}{2}$  course unit.

**Syllabus** Chronological studies in geomorphology. Methods of dating and their limitations. Problems of landscape evolution illustrated by selected regional examples, with special reference to areas of the British Isles. This course will involve some fieldwork.

### 200 Geomorphology III

Dr Brunsdon and Dr Thornes. Twenty-five lectures, Sessional.

For B.Sc. A 2a (second or third year):  $\frac{1}{2}$  course unit.

**Syllabus** The concepts and methods of geomorphology and the history of geomorphological thought. The problems of design and analysis of geomorphic experiments. The nature and utilisation of field, laboratory, statistical and simulation techniques.

### 201 Geomorphology

Twenty lectures, Michaelmas and Lent Terms. An intercollegiate course. At University College.

Optional for B.Sc. A 1, 2 and 2a (second or third year).

**Syllabus** The precise content of the course varies from year to year, but it is in the general field of current research by staff on selected themes within geomorphology.

### 202 Meteorology and Climatology

Twenty-five lectures, Sessional. An intercollegiate course. At University College.

For B.Sc. A 3 (second year); with 202(a): 1 course unit.

**Recommended reading** H. C. Willett and F. Sanders, *Descriptive Meteorology*; G. T. Trewartha, *The Earth's Problem Climates*; S. L. Hess, *Introduction to Theoretical Meteorology*; W. D. Sellers, *Physical Climatology*.

### 202(a) Meteorology and Climatology (Classes)

In conjunction with Course No. 202.

### 203 Climatic Change

Dr M. Jones. Twenty lectures, Michaelmas and Lent Terms. An intercollegiate course.

For B.Sc., A4, with 203(a):  $\frac{1}{2}$  course unit (third year).

**Recommended reading** H. H. Lamb, *The Changing Climate; Proceedings of the UNESCO-WMO Symposium on Climatic Change in the Arid Zones* (UNESCO, 1962); R. Fairbridge (Ed.), *Solar Variations, Climatic Change and Related Geophysical Phenomena* (New York Academy of Sciences, 1961); A. E. M. Nairn (Ed.), *Problems in Paleoclimatology*.

### 203(a) Climatic Change (Classes)

In conjunction with Course No. 203.

**Note** Teaching for other branches of Meteorology and Climatology will be provided at other colleges of the University and is open to all students. Not all courses will be available in any one session.

## Geography

### 204 Theoretical Aspects of Economic Geography

Mrs Rees. Six lectures, Michaelmas Term.

For B.Sc. (Econ.) Part II: *Economic Geography*, I 3g; III 3c; XIV 3f; XV 2 (second year); B.Sc. A 6, 7 and 8 (second and third years).

**Recommended reading** R. Dorfman, *Prices and Markets*; R. H. T. Smith, E. J. Taaffe and L. J. King, *Readings in Economic Geography*; G. J. Karaska and D. F. Bramhall, *Locational Analysis for Manufacturing*.

### 205 Economic Geography: I

Mrs Rees. Fifteen lectures, Michaelmas and Lent Terms.

For B.Sc. (Econ.) Part II: *Economic Geography*, I 3g; III 3c; XIV 3f (students should take two out of the three courses in Economic Geography); XV 2 (second year), B.Sc. A 6 with 204 and 205(a):  $\frac{1}{2}$  course unit (second or third year).

**Syllabus** The nature of resources. Economic and actual methods of allocating and exploiting scarce resources. Role of government in resource allocation. Natural resources and economic growth. The geography and economics of water resources. The geography of energy and of mineral production. Allocation or conservation?

**Recommended reading** M. Chisholm, *Geography and Economics*; H. Boesch, *A Geography of World Economy*; P. R. Odell, *An Economic Geography of Oil*; P. R. Odell, *Oil and World Power*; E. S. Simpson, *Coal and the Power Industries in Postwar Britain*; G. Manners, *The Geography of Energy*; H. H. McCarty and J. B. Lindberg, *A Preface to Economic Geography*; I. Burton and R. W. Kates, *Readings in Resource Management*; J. Rees, *Industrial Demands for Water*; J. Hirshleifer et al., *Water Supply: Economics, Technology and Policy*; Institution of Civil Engineers, *Conservation of Water Resources in the United Kingdom*; A. V. Kneese and S. C. Smith, *Water Research: Western Resources Conference 1965*; H. L. Amoss and R. K. McNickle (Eds.), *Land and Water*.

### 205(a) Economic Geography: I (Class)

Mrs Rees. Eight classes, Michaelmas and Lent Terms.

For B.Sc. A 6 (second or third year); B.Sc. (Econ.) Part II: *Economic Geography*, XV 2 (second year).

### 205(b) Economic Geography (Class)

Mrs Rees.

For B.Sc. (Econ.) Part II: *Economic Geography*, I 3g; III 3c; XIV 3f (second and third years).

### 206 Economic Geography: II

Mr Sinclair and Professor Morgan. Fifteen lectures, Michaelmas and Lent Terms.

For B.Sc. (Econ.) Part II: *Economic Geography*, I 3g; III 3c; XIV 3f (students should take two out of the three courses in Economic Geography); XV 2 (second year); B.Sc. A 7, with 204 and 206(a):  $\frac{1}{2}$  course unit (second or third year).

**Syllabus** Concepts and methods in the geography of agriculture. The evolution, location and structure of systems of commercial agriculture.

**Recommended reading** L. Symons, *Agricultural Geography*; A. N. Duckham, *The Fabric of Farming*; M. Chisholm, *Rural Settlement and Land Use*; J. W. Alexander, *Economic Geography*; R. Dumont, *Types of Rural Economy*; A. Martin, *Economics and Agriculture*; S. H. Franklin, *The European Peasantry*; K. Dexter and D. Barber, *Farming for Profits*; H. F. Gregor, *Geography of Agriculture: Themes in Research*; E. Isaac, *Geography of Domestication*.

### 206(a) Economic Geography: II (Class)

Eight classes, Michaelmas and Lent Terms.

For B.Sc. A 7 (second or third year).

## Geography

### 207 Economic Geography: III

Dr J. E. Martin, Dr Estall and Dr K. R. Sealy. Fifteen lectures, Michaelmas and Lent Terms.

For B.Sc. (Econ.) Part II: *Economic Geography*, I 3g; III 3c; XIV 3f (students should take two out of the three courses in Economic Geography); XV 2; B.Sc. A 8 with 204 and 207(a):  $\frac{1}{2}$  course unit (third year).

**Syllabus** The location of economic activity. The economic geography of industry. Industrial complexes. The elements of the geography of transport.

**Recommended reading** E. M. Hoover, *The Location of Economic Activity*; R. C. Estall and R. O. Buchanan, *Industrial Activity and Economic Geography*; D. M. Smith, *Industrial Location, An Economic Geographical Analysis*; P. Haggett, *Locational Analysis in Human Geography*; D. W. Fryer, *World Economic Development*; J. W. Alexander, *Economic Geography*; U.S. Department of Commerce, National Resources Planning Board, *Industrial Location and National Resources*; G. Alexandersson, *Geography of Manufacturing*; C. D. Foster, *The Transport Problem; The Transport Needs of Great Britain in the Next Twenty Years* (Hall Report) (H.M.S.O., 1963); British Railways Board, *The Reshaping of British Railways* (Beeching Report); British Railways Board, *The Development of the Major Railway Trunk Routes*, 1965; U.K. Ministry of Transport, *Traffic in Towns* (Buchanan Report); K. R. Sealy *The Geography of Air Transport*; F. E. I. Hamilton, *Yugoslavia*; R. J. Chorley and P. Haggett (Eds.), *Models in Geography* (chaps. 7-12); Ministry of Transport, *Traffic for Industry*.

### 207(a) Economic Geography: III (Class)

Dr J. E. Martin and others. Eight classes, Michaelmas and Lent Terms.

For B.Sc. A 8 (third year).

### 208 Economic Geography: IV

Professor Wise and others. Sessional. An intercollegiate course. At University College.

For B.Sc. (Econ.) Part II: *Economic Geography*, XV 2 (third year); B.Sc. in connection with Economic Geography I, II and III (second or third year).

### 209 Regional Analysis

Mr Spence and Mr Goddard. Twenty-five lectures, Sessional.

For B.Sc. (Econ.) Part II: *Regional Analysis*, XV 7 and 8a; B.Sc. A 26 (third year):  $\frac{1}{2}$  course unit.

**Syllabus** Theoretical and technical aspects of the analysis of regional systems, including intraregional location theories, the activity structure of regions, inter-regional relationships, and the application of these to regional planning.

**Recommended reading** W. Isard et al., *Methods of Regional Analysis: An Introduction to Regional Science*; W. Isard, *Location and Space Economy: A General Theory Relating to Industrial Location, Market Areas, Land Use, Trade and Urban Structure*; P. Haggett, *Locational Analysis in Human Geography*; B. J. L. Berry and D. F. Marble, *Spatial Analysis: A Reader in Statistical Geography*; M. H. Yeates, *An Introduction to Quantitative Analysis in Economic Geography*; R. J. Chorley and P. Haggett (Eds.), *Models in Geography*; J. Friedmann and W. Alonso (Eds.), *Regional Development and Planning: A Reader*; R. H. T. Smith, E. J. Taaffe and L. J. King (Eds.), *Readings in Economic Geography: the Location of Economic Activity*; L. J. King, *Statistical Analysis in Geography*.

### 209(a) Regional Analysis (Classes)

Classes will be arranged if required.

### 210 Social Geography

Professor Jones. Sessional.

For B.Sc. (Econ.) Part II: *Social Geography*, XV 7 and 8c (third year); B.Sc. A 9 (second or third year):  $\frac{1}{2}$  course unit.

## Geography

**Syllabus** A study of the relationships of social groups with their environments and the regional differentiation of such relationships.

**Recommended reading** W. Zellinsky, *Prologue to Population Geography*; J. Beaujeu-Garnier, *Geography of Population*; J. Saville, *Rural Depopulation*; E. R. Wolf, *Peasants*; J. M. Houston, *A Social Geography of Europe*; G. A. Theodorson (Ed.), *Studies in Human Ecology*; A. Hawley, *Human Ecology*; P. W. Burgess and D. J. Bogue, *Contributions to Urban Sociology*; A. J. Reiss and P. K. Hatt, *Cities and Society*.

### 211 Urban Geography

Professor Jones and others.

Sessional. An intercollegiate course.

For B.Sc. (Econ.) Part II: *Urban Geography*, 7 and 8d (third year); B.Sc. A 10 (second or third year):  $\frac{1}{2}$  course unit.

**Syllabus** The history, morphology, economic base and social geography of cities, together with their regional relations.

**Recommended reading** A. E. Smailes, *The Geography of Towns*; E. Jones, *Towns and Cities*; R. E. Dickinson, *City and Region*; L. Mumford, *The City in History*; R. Murphy, *The American City*; G. Sjoberg, *The Pre-Industrial City*; A. B. Gallion and S. Ersner, *The Urban Pattern*; P. Self, *Cities in Flood*; L. Reissmair, *The Urban Process*; A. J. Reiss and P. K. Hatt, *Cities and Society*; Centre for Urban Studies, *London, Aspects of Change*; E. Jones, *A Social Geography of Belfast*; G. A. Theodorson (Ed.), *Studies in Human Ecology*; B. Berry, *Geography of Market Courses and Distribution*; B. J. L. Berry and F. Horton, *Geographical Perspectives on Urban Systems*; J. Johnson, *Urban Geography: An Introductory Analysis*.

### 212 The Urban System

Mr Drewett and Mr K. G. Williams.

Twenty-five lectures, Sessional.

This course will involve practical classes.

For B.Sc. A 11 (third year):  $\frac{1}{2}$  course unit.

**Syllabus** Inter and intra-urban patterns and functional processes will be examined in the context of systems analysis and model building. The basic components of the urban system and their interdependence will be outlined, reviewing the associated theoretical and empirical models in relation to behavioural aspects and decision-making processes.

**Recommended reading** F. Chapin and S. Weiss (Eds.), *Urban Growth Dynamics in a Regional Cluster of Cities*; R. J. Chorley and P. Haggett (Eds.), *Socio-economic Models in Geography*; P. Haggett, *Locational Analysis in Human Geography*; D. Harvey, *Explanation in Geography*; J. B. McLoughlin, *Urban and Regional Planning: A Systems Approach*; H. S. Perloff and L. Wingo (Eds.), *Issues in Urban Economics*; W. R. Thompson, *A Preface to Urban Economics*.

### 213 Geography of Rural Settlement

Twenty-five lectures, Sessional.

An intercollegiate course. At Queen Mary College.

For B.Sc. A 12 (second or third year).

### 214(i) Historical Geography: British Isles

Dr Lambert. Sessional.

For B.Sc. (Econ.) Part II: *Historical Geography*, VI 8i; VII 7 and 8k; XIV 3e; XV 7 and 8b (third year); B.Sc. A13, with 214 (i) (a):  $\frac{1}{2}$  course unit (second or third year).

**Syllabus** A study of the historical geography of the British Isles, with special reference to England.

**Recommended reading** W. G. East, *The Geography behind History*; J. B. Mitchell, *Historical Geography*; H. C. Darby (Ed.), *An Historical Geography of England before 1800*; W. G. Hoskins, *The Making of the English Landscape*.

### 214(i) (a) Historical Geography (Class)

Dr Lambert. Twenty classes, Michaelmas and Lent Terms.

## Geography

### 214(ii) Historical Geography: Western and Central Europe

Dr Lambert. Sessional.

For B.Sc. (Econ.) Part II: *Historical Geography*, XV 7 and 8b (third year); B.Sc. A 14 (second or third year):  $\frac{1}{2}$  course unit.

**Syllabus** A study of the interrelations of man and his environment since prehistoric times with special reference to the part played by man's activities in adapting the landscape to his needs; the geographical significance of political and administrative divisions.

**Recommended reading** W. G. East, *An Historical Geography of Europe*; *The Geography behind History*; C. A. Smith, *Historical Geography of Western Europe*; E. A. Freeman, *The Historical Geography of Europe*; *Cambridge Economic History of Europe*, Vol. I, especially chaps. 1, 2, 3, 6 and 8; *Cambridge Medieval History of Europe*, Vol. I, chap. 13; Vol. V, chap 5; Vol. VI, chaps. 14 and 15; Vol. VII, chaps. 8, 9 and 24; W. L. Thomas (Ed.), *Man's Role in Changing the Face of the Earth*; J. H. Clapham, *The Economic Development of France and Germany*; B. H. Slicher van Bath, *The Agrarian History of Western Europe, A.D. 500-1850*.

### 215 Biogeography: I

Dr Yates and Dr Rose. An intercollegiate course. At King's College.

For B.Sc. A 15 (second year):  $\frac{1}{2}$  course unit.

### 216 Biogeography: II

Dr Yates and Dr Rose. An intercollegiate course. At King's College.

For B.Sc. A 16 (third year):  $\frac{1}{2}$  course unit.

**Note** Attendance at a field class in Plant Geography is a compulsory part of the course.

### 217 Geography and Planning

Mr Diamond. Sessional. An intercollegiate course.

For B.Sc. (Econ.) Part II: *Economic and*

*Regional Geography of the British Isles*, XV 3 (third year); B.Sc. A 17 (third year):  $\frac{1}{2}$  course unit: M.Sc.: *Geographical Aspects of Regional and Urban Planning*, XV 3.

**Syllabus** A study of the way in which, and the extent to which, town and country planning has affected the geography of Britain.

**Recommended reading** J. B. Cullingworth, *Town and Country Planning in England and Wales*; C. D. Buchanan, *Traffic in Towns*; P. J. O. Self, *Cities in Flood*; D. Senior (Ed.), *The Regional City*; J. H. Tetlow and A. Goss, *Homes, Towns and Traffic*; University of Liverpool Department of Civic Design, *Land Use in an Urban Environment*. References to official planning studies and to the periodical literature will be given during the course.

### 218 History of Geographical Science and Discovery: I

An intercollegiate course. At Birkbeck College.

For B.Sc. A 18 (second or third year):  $\frac{1}{2}$  course unit.

**Syllabus** The development of geographical concepts and methods since A.D. 1300 with special emphasis on the interrelation between ideas and discoveries.

### 219 Political Geography: I

Mrs Toledano. Sessional.

For B.Sc. (Econ.) Part II: *Political Geography*, XV 7 and 8e (second year); B.Sc. A 20 (second or third year):  $\frac{1}{2}$  course unit.

**Syllabus** A general study of the interaction between geographical factors and the state, including such aspects as territorial organization and expansion, demographic considerations and strategic factors.

**Recommended reading** N. J. G. Pounds, *Political Geography*; J. R. V. Prescott, *The Geography of State Policies*; H. J. De Blij, *Systematic Political Geography*; C. A. Fisher (Ed.), *Essays in Political Geography*; W. A. D. Jackson, *Politics and Geographic Relationships*.

Periodical and other literature will be suggested during the course.

## Geography

### 220 Political Geography: II The Political Geography of West Africa

Professor Harrison Church.  
Sessional.

For B.Sc. A 21 (third year):  $\frac{1}{2}$  course unit. Open to other students by agreement.

### 221 Regional Development with special reference to Canada

Mr K. G. Williams. Twenty lectures, Sessional.

For B.Sc. A 27 (second or third year) with 221 (a):  $\frac{1}{2}$  course unit.

**Syllabus** Problems in assessing the effectiveness of regional development programmes in Canada and the spatial implication of public finance will be examined. The prospects for a more co-ordinated approach, having specific regional objectives, will be reviewed. The role of the government in the regional economic development of the U.S.A., the U.K. and other European countries will be discussed in seminars.

**Recommended reading** T. N. Brewis, *Regional Economic Policies in Canada*; H. Buckley and E. Tihanyi, *Canadian Policies for Rural Adjustment*; R. J. Chorley and P. Haggett (Eds.), *Socio-Economic Models in Geography*; J. Friedmann and W. Alonso (Eds.), *Regional Development and Planning*; G. McCrone, *Regional Policy in Britain*; I. Sharkansky, *Spending in the American States*.

### 221(a) Regional Development with special reference to Canada (Classes)

Michaelmas and Lent Terms.

For B.Sc. (second or third year).

### 222 Philosophy, Methodology and Explanation in Geography

Mr Drewett and Mr Spence.  
Michaelmas and Lent Terms.

For B.Sc. A 29 (third year):  $\frac{1}{2}$  course unit; graduate students by permission.

**Syllabus** Explanation as a goal of enquiry;

scientific explanation; inductive and deductive viewpoints; structure of scientific hypotheses, theories and laws, observation and measurement; concept of the model; model building; iconic; analogue; statistical and symbolic models in geography; systems analysis; model languages for geographic explanation; geometry; probability theory. Evaluation of methodology and levels of explanation in geography. Elaboration of specific philosophies and methods in geography.

**Recommended reading** H. M. Blalock, *Causal Inferences in Non-Experimental Research*; F. E. Emery (Ed.), *Systems Thinking*; T. S. Kuhn, *The Structure of Scientific Revolutions*; K. R. Popper, *The Logic of Scientific Discovery*; S. Toulmin, *The Philosophy of Science*; R. J. Chorley and P. Haggett (Eds.), *Models in Geography*; R. Hartshorne, *Perspective in the Nature of Geography*; D. Harvey, *Explanation in Geography*; L. J. King, *Statistical Analysis in Geography*.

### 222(a) Classes

In connection with Course No. 222.  
Michaelmas and Lent Terms.

### 223 Transport Geography (Class)

Dr K. R. Sealy. Michaelmas and Lent Terms.

For B.Sc. (Econ.) Part II: *Economics and Geography of Transport*, XV 7 and 8h (third year).

## FOR GRADUATE STUDENTS

Note Courses 228–239, 241 and 244 are intended primarily for students reading Geography for M.Sc. All M.Sc. students should consult their advisers in selecting courses which meet the specific requirements of their degree syllabus.

### 228 Modern Geographical Thought and Practice

Dr Board. Michaelmas and Lent Terms.

Also for M.Sc.: *Geographical Aspects*

## Geography

of *Regional and Urban Planning*, XV 3.  
A course of lectures and discussions in methodology.

### 228(a) Modern Geographical Thought and Practice (Classes)

Michaelmas and Lent Terms.

### 229 Quantitative Methods in Geography

Mr Goddard and Mr Spence.  
Sessional.

Also for M.Phil. and Ph.D. students by permission.

**Syllabus** Spatial probability models, sampling and statistical inference, correlation and regression, factor analytic models, taxonomic procedures, spatial series, canonical models.

**Recommended reading** L. J. King, *Statistical Analysis in Geography*.

### 230 Geography of Industry

Dr J. E. Martin. Lent and Summer Terms.

**Syllabus** Industrial linkage, subcontracting and geographical association of industries; economies of agglomeration. Industrial cities and regions; intrametropolitan location; the economic base and inter-regional flows. Empirical studies of industrial location and movement: methods of research, sources and problems. Location decision making and location theory. Transportation, freight rates and comparative costs in the geography of industry.

### 231 Transport Studies

Dr K. R. Sealy.

Students are advised to take Course No. 52, Economics of Transport, if they have not already done so.

**Syllabus** Characteristics and analysis of transport networks, aspects of market research, transport planning with particular reference to road and air transport. Where possible, practical work will be set in association with this course.

**Recommended reading** General references: C. D. Foster, *The Transport Problem*; K. M. Gwilliam, *Transport and Public Policy*; J. H. Tetlow and A. Goss, *Homes, Towns and Traffic*; D. J. Reynolds, *Economics, Town Planning and Traffic*; J. R. Meyer, J. F. Kain and M. Wohl, *The Urban Transportation Problem*; D. St. J. Thomas, *The Rural Transport Problem*; G. J. Ponsonby, *Transport Policy: Co-ordination through Competition*; K. R. Sealy, *The Geography of Air Transport* (2nd edn.); B. T. Bayliss, *European Transport*; M. Peters, *International Tourism*; K. Kansky, *Structure of Transportation Networks*; Department of Geography, University of Chicago, *Research Paper 54*, 1963; P. Haggett and R. J. Chorley, *Network Analysis in Geography*.

### 232 Resource Management and Utilisation

Mrs Rees. Sessional.

**Syllabus** Economic methods of resource allocation, pricing systems, investment appraisal, cost-benefit analysis. Real world methods used to allocate land, water, fuels and minerals between competing uses. The distribution of resources that results. Conservation *versus* management.

### 233 Urban Geography

Professor Jones. Sessional.

**Syllabus** Urban origins, growth and the process of urbanisation. Theories of differentiation within cities, relating to function and society.

### 234 The Geography of Agriculture

Mr Sinclair. Sessional.

**Syllabus** Environmental studies of subsistence and commercial agriculture. The role and status of agriculture in economic development, and the analysis of changes in the structure of agricultural activity.

### 235 Social Geography of South Africa

Dr Board. Fortnightly, Sessional.

Also for M.A. (Area Studies) Africa.

## Geography

**Syllabus** Cultural, ethnic and political factors in the changing distribution of population in South Africa and neighbouring countries.

### 236 Geography of West Africa

Professor Harrison Church and Professor Morgan. Sessional.

**Syllabus** The economic and social geography of West Africa with particular reference to problems of site and location in selected regions and countries.

### 237 The Spatial Structure of the South African Economy

Dr Board. Michaelmas and Lent Terms.

**Syllabus** Stages of economic development and their spatial manifestation, socio-economic regionalisation, nodal regions and their integration in development regions.

### 238 Regional Problems in the United States

Dr Estall.

**Syllabus** An analysis of the processes of industrial change and of the regional problems arising therefrom. The role of government as an agent of geographic change.

### 239 Concepts and Methods of Geomorphology

Dr Brunsdon and Dr Thornes. Twenty-four lectures and classes.

## M.Sc. REGIONAL AND URBAN PLANNING STUDIES

### 240 Regional and Urban Planning Problems (Seminar)

Professor Day, Professor Self and Mr Diamond. An interdepartmental seminar, Summer Term.

### 241 Geographical Concepts of Regional and Urban Planning (Seminar)

Mr Diamond. Sessional.

For M.Sc.: Geography; *Geographical Aspects of Regional and Urban Planning*, XV 3.

A seminar on the application of locational and spatial concepts to problems of planning.

**Recommended reading** W. Isard *et al.*, *Methods of Regional Analysis: An Introduction to Regional Science*; F. S. Chapin, Jr., *Urban Land Use Planning* (2nd edn.); O. D. Duncan *et al.*, *Metropolis and Region*; P. M. Hauser and L. F. Schnore, *The Study of Urbanization*; J. Friedmann and W. Alonso, *Regional Development and Planning: A Reader*; P. Haggett, *Locational Analysis in Human Geography*; J. P. Gibbs, *Urban Research Methods* (1961); K. Norborg (Ed.), *The I.G.U. Symposium in Urban Geography*; G. Olsson, *Distance and Human Interaction*; J. Gottman, *Megalopolis*; R. J. Chorley and P. Haggett, *Socio-Economic Models in Geography*; J. B. McLaughlin, *Urban and Regional Planning*.

Other references will be given during the course.

### 242 Quantitative Methods in Regional and Urban Planning Studies

Mr Flowerdew. Michaelmas Term.

### 243 Introduction to British Urban and Regional Planning

Mr Diamond. Four lectures, Michaelmas Term.

For M.Sc. *Urban Economics* IV 4(xxi); *Mathematical Methods in Planning* XIV 3(xii).

### 244 Urban Systems (Graduate Course)

Mr Drewett. Six lectures, Michaelmas Term, beginning in the fifth week of the Michaelmas Term.

For M.Sc.: Geography; M.Sc. *Geo-*

## Geography

*graphical Aspects of Regional and Urban Planning*, XV 3; *Mathematical Methods in Planning*, XIV 3(xii); *Urban Economics*, IV 4(xxi).

**Syllabus** Inter and intra-urban patterns and functional processes will be examined in the context of systems analysis and model building. The basic components of the urban system and their interdependence will be outlined reviewing the associated theoretical and empirical models.

**Recommended reading** B. J. L. Berry and F. E. Horton, *Geographic Perspectives on Urban Systems*.

### Members of the Staff of King's College, London, sharing in the work of the Joint School of Geography

D. Brunsdon, B.Sc., Ph.D.; Lecturer in Geography.

Alice M. Coleman, M.A.; Reader in Geography.

C. Embleton, M.A., Ph.D. (Cantab.); Reader in Geography.

Maureen Jones, B.Sc. (Wales), M.Sc., Ph.D.; Lecturer in Geography.

G. R. P. Lawrence, M.Sc.; Lecturer in Geography.

B. S. Morgan, B.Sc., Ph.D. (Exeter); Lecturer in Geography.

W. B. Morgan, M.A. (Oxon.), Ph.D. (Glasgow); Professor of Geography.

J. C. Pugh, M.A. (Cantab.), Ph.D., A.R.I.C.S.; Professor of Geography.

F. Rose, B.Sc., Ph.D.; Senior Lecturer in Biogeography.

K. G. Williams, B.A. (Cantab.), M.A. (Toronto); Lecturer in Geography.

E. M. Yates, M.Sc., Ph.D.; Reader in Geography.



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## Economic History

### 260 The Economic History of Great Britain and the U.S.A., 1850-1939

Mr Baines and Mr Potter.  
Thirty-four lectures, Sessional.

For B.Sc. (Econ.) Part I.

**Syllabus** The course will cover the major aspects of the British and American economies from the mid-nineteenth century until World War II.

**Recommended reading** W. Ashworth, *A Short History of the International Economy since 1850*; J. D. Chambers, *The Workshop of the World*; P. d'A. Jones, *The Consumer Society*; W. A. Lewis, *Economic Survey, 1919-1939*; R. S. Sayers, *A History of Economic Change in England, 1880-1939*; C. C. Spence, *The Sinews of American Capitalism*; W. M. Stern, *Britain Yesterday and Today*.

FOR REFERENCE G. C. Allen, *British Industries and their Organisation* (1959 or 1961 edn.); H. C. Allen and C. P. Hill (Eds.), *British Essays in American History*; W. Ashworth, *An Economic History of England, 1870-1939*; A. C. Bolino, *The Development of the American Economy*; A. K. Cairncross, *Home and Foreign Investment*; T. C. Cochran and W. Miller, *The Age of Enterprise*; W. H. B. Court, *A Concise Economic History of Britain from 1750 to Recent Times*; D. Dillard, *Economic Development of the North Atlantic Community*; J. H. Dunning and C. J. Thomas, *British Industry: Change and Development in the Twentieth Century*; E. J. Hobsbawm, *Industry and Empire*; M. A. Jones, *American Immigration*; The Royal Institute of International Affairs, *The Problem of International Investment*; H. N. Scheiber (Ed.), *United States Economic History: Selected Readings*; P. B. Trescott, *Financing American Enterprise*; H. F. Williamson (Ed.), *The Growth of the American Economy*.

### 260(a) Classes

### 261 Industrialisation and the International Economy since 1830

Professor Fisher, Dr Earle, Mr Baines and Mr Falkus. Sessional.

For B.Sc. (Econ.) Part II: *Economic History*, I 2a; II 4b; III 2; IV 2b; V 1b; VIII 2; IX 3; XIII 3; XIV 3a; XV 5 and 6d (i); XVI 3a (second year); B.Sc. (Geog.) C 101.

**Syllabus** The growth of world population: changes in its occupational and regional distribution; the development of primary production in temperate and tropical zones; the development of mechanised transport by sea and land; the international migration of capital; changes in the volume, direction and content of international trade; the varying experience of industrialisation in Western Europe (including Great Britain), U.S.A., Russia and Japan; the development and organization of capital and labour markets; the breakdown of the international economy in the interwar years; changes in national economic policies; the development of international economic institutions.

**Recommended reading** W. Ashworth, *A Short History of the International Economy since 1850*; W. A. Lewis, *Economic Survey, 1919-1939*; A. Gerschenkron, *Economic Backwardness in Historical Perspective*; W. W. Rostow, *The Stages of Economic Growth*; R. T. Gill, *Economic Development*; S. S. Kuznets, *Six Lectures on Economic Growth*; A. Maddison, *Economic Growth in the West; Economic Growth in Japan and the U.S.S.R.*; D. S. Landes, *The Unbound Prometheus*; M. Postan, *An Economic History of Western Europe, 1945-1964*; E. L. Jones and S. J. Woolf (Eds.), *Agrarian Change and Economic Development*; R. M. Robertson, *History of the American Economy*; G. C. Allen, *A Short Economic History of Modern Japan*; P. Lyashchenko, *History of the National Economy of Russia*; United Nations XIII, *Demography 1953, 3, The Determinants and Consequences of Population Trends*; J. V. Levin, *The Export Economies*; The Royal Institute of International Affairs, *The Problem of International Investment*; League of Nations, II, *Economic and Financial, 1942, A.3*,

## Economic History

*The Network of World Trade*; 1945, A.10, *Industrialization and Foreign Trade*; P. L. Yates, *Forty Years of Foreign Trade*; R. H. Thornton, *British Shipping*; M. Tracy, *Agriculture in Western Europe*; H. J. Habakkuk and M. Postan (Eds.), *The Cambridge Economic History of Europe*, Vol. VI, Pts. I and II; B. E. Supple (Ed.), *The Experience of Economic Growth*.

### 261(a) Classes

#### 262 Introduction to Modern English Economic History

Mr W. M. Stern. Twenty-five lectures, Sessional.

For B.A. History (first year); Dip. Soc. Admin. (first year).

**Syllabus** The subject will be divided into three periods: from the discovery of the New World to the middle of the eighteenth century; the Industrial Revolution and its aftermath; the last hundred years. In each period the development of agriculture, industry, trade and transport will be traced against the background of population changes, economic thought and fluctuations, social organization and policy.

**Recommended reading** J. H. Clapham, *A Concise Economic History of Britain from the Earliest Times to 1750*; G. N. Clark, *The Wealth of England, 1496–1760*; M. D. George, *England in Transition*; T. S. Ashton, *The Industrial Revolution, 1760–1830*; W. H. B. Court, *A Concise Economic History of Britain from 1750 to Recent Times*; R. S. Sayers, *A History of Economic Change in England, 1880–1939*; G. Dangerfield, *The Strange Death of Liberal England, 1910–1914*; W. Johnson, J. Whyman and G. Wykes, *A Short Economic and Social History of Twentieth Century Britain*.

FOR REFERENCE T. S. Ashton, *An Economic History of England: The Eighteenth Century*; W. Ashworth, *An Economic History of England, 1870–1939*; J. H. Clapham, *Economic History of Modern Britain*; N. J. Smelser, *Social Change in the Industrial Revolution*; G. D. H. Cole and R. W. Postgate, *The Common People, 1746–1946*; S. Pollard, *The Development*

*of the British Economy, 1914–1950*. Books on particular subjects will be recommended in the course of the lectures.

#### 263 Economic History of England and Western Europe in the Sixteenth and Seventeenth Centuries

Professor Fisher. Twenty-five lectures, Sessional.

For B.Sc. (Econ.) Part II: *English Economic History, 1485–1760*, VI 3; VII 7 and 8c (second year); B.A. History, optional subject Economic History; M.Sc.: *The Sources and Historiography of the Economic History of England in the Seventeenth Century*, VI 1(ii).

**Syllabus** This course will examine the economy of England in some detail and that of Western Europe in broad outline. Aspects of the English economy to be considered will include: the structure and growth of population, agriculture, industry, trade, finance and the movement of prices, as well as various economic and social problems and the main features of state policy in relation thereto. Economic development in continental Europe will be considered partly for the purpose of comparison with that of England and partly with reference to England's economic relationships overseas.

**Recommended reading** will be given at the beginning of the course.

#### 264 English Economic History in its European Background from 1700 to the Second World War

Professor John, Mr Hunt and Mr W. M. Stern. Thirty lectures, Sessional.

For B.Sc. (Econ.) Part II (second year): *English Economic History, 1485–1760*, VI 3; VII 7 and 8c; *English Economic History from 1760*, VI 4; VII 7 and 8d; B.A. History, optional subject Economic History; B.Sc. (Geog.) C 102; M.Sc.: *The Sources and Historiography of Economic History in either Britain 1783–1850*, VI 1(iii) or *Britain, 1900–1950*, VI 1(iv).

## Economic History

### (i) 1700–1815

Professor John. Ten lectures.

### (ii) 1815 to the 1880s

Mr Hunt. Ten lectures.

### (iii) The 1880s and After

Mr W. M. Stern. Ten lectures.

**Recommended reading** will be given at the beginning of the course.

#### 265 The Social and Political Structure of England in the Late Sixteenth and Early Seventeenth Centuries

Professor Fisher. Ten lectures, Lent Term.

For B.Sc. (Econ.) Part II: special subject Economic History, Modern (second year).

**Syllabus and recommended reading** will be given at the beginning of the course.

#### 266 The Social and Political Structure of England in the Nineteenth Century

Professor John, Dr Brown, Dr Erickson, Mr Baines and others. Twenty-six lectures, Sessional.

For B.Sc. (Econ.) Part II: special subject Economic History, Modern (second year); M.Sc.: *The Sources and Historiography of Economic History in Britain, 1783–1850*, VI 1(iii); *Labour History*, VIII 2(ii).

Optional for B.Sc. (Econ.) Part II: *Social Structure of Modern Britain*, IX 6; B.A./B.Sc. (Soc.) Branch I, 7 and 8a (third year). Michaelmas Term only: for B.A. History (second year).

**Syllabus** The growth of population and its occupational distribution; the major social groups in British society.

The political structure; the growth of education and of the social services; the Irish question; nineteenth-century imperialism.

The press; the growth of science; religion in nineteenth-century England; some of the major schools of political and social thought.

**Recommended reading** R. D. Altick, *The*

*English Common Reader, 1800–1900*; W. Ashworth, *The Genesis of Modern British Town Planning*; J. A. Banks, *Prosperity and Parenthood*; A. Briggs, *The Age of Improvement*; *Victorian Cities*; *Chartist Studies*; H. L. Beales, *The Making of Social Policy*; W. L. Burn, *The Age of Equipoise*; G. Kitson Clark, *The Making of Victorian England*; A. M. Carr-Saunders and P. A. Wilson, *The Professions*; H. Grisewood (Ed.), *Ideas and Beliefs of the Victorians*; B. K. Gray, *Philanthropy and the State*; H. J. Hanham, *Elections and Party Management*; W. E. Houghton, *The Victorian Frame of Mind*; M. Hewitt, *Wives and Mothers in Victorian Industry*; R. Lambert, *Sir John Simon*; A. M. Lowndes, *The Silent Social Revolution*; D. Lockwood, *The Black-coated Worker*; H. M. Pelling, *A History of British Trade Unions*; H. J. Perkin, *The Origins of Modern English Society, 1780–1880*; E. H. Phelps Brown, *The Growth of British Industrial Relations*; J. H. Plumb (Ed.), *Studies in Social History*; B. C. Roberts, *The Trade Union Congress*; D. Roberts, *Victorian Origins of the British Welfare State*; D. Read, *Press and People, 1790–1850*; J. Saville (Ed.), *Democracy and the Labour Movement*; N. Smelser, *Social Change in the Industrial Revolution*; F. M. L. Thompson, *English Landed Society in the Nineteenth Century*; A. F. Weber, *The Growth of Cities in the Nineteenth Century*; G. M. Young, *Victorian England, Portrait of an Age*; M. Wright, *Treasury Control of the Civil Service, 1854–74*.

#### 267 Economic History of the United States of America

##### (i) The Colonial Period, 1607–1790

Professor Fisher and Mr Potter. Ten lectures, Michaelmas Term.

For B.Sc. (Econ.) Part II: *Economic History of the United States of America from 1783*, VI 7; VII 7 and 8g (second year).

**Syllabus** The development of the American economy from the first settlements to nationhood. The nature of the colonial links with Britain. Population growth and distribution.



### Economic History

Economic aspects of the American Revolution and formation of the first federal government.

#### (ii) 1790–1873

Dr Erickson. Ten lectures, Lent Term.

For B.Sc. (Econ.) Part II: *Economic History of the United States of America from 1783*; VI 7; VII 7 and 8g (second year).

**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; banking; promotion and regulation of the economy.

The U.S.A. and the outside world: Atlantic economy; trade and shipping; migration and capital importation; economic fluctuations.

#### (ii)(a) Classes

Ten classes, fortnightly, Lent and Summer Terms.

#### (iii) 1873–1929

Dr Erickson. Ten lectures, Michaelmas Term.

For B.Sc. (Econ.) Part II: *Economic History of the United States of America from 1783*; VI 7; VII 7 and 8g (third year); M.Sc.: *The Sources and Historiography of the Economic History of the U.S.A., 1890–1929*, VI 1(v).

**Syllabus** 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 economic consequences. Economic fluctuations; prosperity and depression.

#### (iii)(a) Classes

Ten classes, fortnightly, Michaelmas and Lent Terms.

#### (iv) The U.S.A. since 1930

Mr Potter, Dr Erickson and others. Ten lectures, Lent Term.

For B.Sc. (Econ.) Part II: *Economic History of the United States of America from 1783*, VI 7; VII 7 and 8g (third year) and other interested third-year and graduate students.

**Syllabus** Economic and other aspects of the New Deal. The American economy since 1945.

**Recommended reading (i)–(iv)** The most suitable work for this course is R. M. Robertson, *History of the American Economy* (2nd edn., 1964). Valuable introductory reading will be found in H. C. Allen and C. P. Hill (Eds.), *British Essays in American History* (1957); E. A. J. Johnson and H. E. Krooss, *The American Economy* (1961); F. Thistlethwaite, *The Great Experiment* (1955). Other useful textbooks include: A. C. Bolino, *The Development of the American Economy* (1966); S. Bruchey, *The Roots of American Economic Growth, 1607–1861*; L. E. Davis and others, *American Economic History* (1961); E. C. Kirkland, *A History of American Economic Life* (4th edn., 1969); H. F. Williamson (Ed.), *The Growth of the American Economy* (1951). Other works: R. Andreano (Ed.), *The Economic Impact*

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of the American Civil War; C. A. Beard, *An Economic Interpretation of the Constitution of the United States*; I. Bernstein, *The Lean Years*; R. T. Berthoff, *British Immigrants in Industrial America, 1790–1950*; A. C. Bogue, *From Prairie to Corn Belt*; A. W. Coates and R. M. Robertson, *Essays in American Economic History*; S. Coben and F. G. Hill, *American Economic History: Essays in Interpretation*; C. Danhof, *Changes in Agriculture in the Northern United States, 1820–70*; Department of American Studies, Amherst College (Eds.), *Problems of American Civilisation: Selected Readings*; F. R. Dulles, *Labor in America*; E. J. Ferguson, *The Power of the Purse*; A. Fishlow, *American Railroads and the Transformation of the Ante-Bellum Economy*; R. W. Fogel, *Railroads and American Economic Growth*; E. Frickey, *Economic Fluctuations in the United States, 1865–1914*; *Production in the United States, 1860–1914*; P. W. Gates, *The Farmer's Age, Agriculture, 1815–1860*; C. L. Goodrich, *Government Promotion of American Canals and Railroads*; B. Hammond, *Banks and Politics in America from the Revolution to the Civil War*; M. L. Hansen, *The Immigrant in American History*; R. Hofstadter, *The Age of Reform*; E. C. Kirkland, *Industry Comes of Age, 1860–1897*; H. B. Lary, *The United States in the World Economy*; W. Leuchtenberg, *F.D.R. and the New Deal, 1932–40*; M. G. Myers, *A Financial History of the United States*; National Bureau of Economic Research, *Trends in the American Economy in the Nineteenth Century and Output, Employment and Productivity in the U.S. after 1800* (Studies in Income and Wealth, Vols. 24 and 30); C. P. Nettels, *The Emergence of a National Economy, 1775–1815*; D. C. North, *The Economic Growth of the United States, 1790–1860*; H. S. Perloff and others, *Regions, Resources and Economic Growth*; U. B. Phillips, *Life and Labor in the Old South*; F. A. Shannon, *The Farmer's Last Frontier*; W. P. Strassman, *Risk and Technological Innovation*; G. R. Taylor, *The Transportation Revolution*; P. Temin, *Iron and Steel in Nineteenth-century America*; *The Jacksonian Economy*; Brinley Thomas, *Migration and Economic Growth*; W. P. Webb, *The Great Plains*.

#### 268 International Economic History, 1850–1945

Mr W. M. Stern. Sixteen lectures, Michaelmas and Lent Terms.

Five classes, Lent Term. This course will not be held unless a sufficient number of students offers the subject.

For B.Sc. (Econ.) Part II: *International Economic History, 1850–1945*, VI 8c; VII 7 and 8f (second or third year); XIV 8b (third year).

**Syllabus** Growth and distribution of world population. Growth of manufacturing industry. Development of agriculture, international trade and investment and the chief influences upon them, including changes in transport, in financial organization and in the commercial policies of the Great Powers. The growth of international economic organizations, both public and private. The changing influence of economic factors on the political and military strength of the Great Powers.

**Recommended reading** P. Ashley, *Modern Tariff History*; W. Ashworth, *A Short History of the International Economy since 1850*; J. B. Condliffe, *The Commerce of Nations*; M. R. Davie, *World Immigration*; H. Feis, *Europe, the World's Banker, 1870–1914*; I. Ferenczi and W. F. Willcox, *International Migrations*; A. G. Ford, "The Truth about Gold" (*Lloyds Bank Review*, July 1965); M. A. Jones, *American Immigration*; D. S. Landes, *The Unbound Prometheus*; League of Nations, II, Economic and Financial, 1942, A.3, *The Network of World Trade*; A.6, *Commercial Policy in the Inter-War Period*; 1945, A.10, *Industrialization and Foreign Trade*; W. A. Lewis, *Economic Survey, 1919–1939*; The Royal Institute of International Affairs, *The Problem of International Investment*; W. M. Scammell, "The Working of the Gold Standard" (*Yorkshire Bulletin of Economic and Social Research*, XVII, 1, 1965); United Nations, 1954, II, E.3, *Growth and Stagnation in the European Economy* (I. Sventnilson); H. J. Habakkuk and M. Postan (Eds.), *The Cambridge Economic History of Europe*, VI: *The Industrial Revolutions and After*; F. H. Hinsley (Ed.), *The New Cambridge Modern*

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History, XI: *Material Progress and World-Wide Problems, 1870-1898*; L. H. Jenks, *The Migration of British Capital to 1875*; D. Thomson (Ed.), *The New Cambridge Modern History*, XII: *The Era of Violence, 1898-1945*; M. Tracy, *Agriculture in Western Europe*.

E. Hexner and A. Walters, *International Cartels*; M. Hill, *The Economic and Financial Organization of the League of Nations*; O. J. Lissitzyn, *International Air Transport and National Policy*; L. L. Lorwin, *The International Labor Movement*; E. S. Mason, *Controlling World Trade*; A. Plummer, *International Combines in Modern Industry*; J. Price, *The International Labour Movement*; J. T. Shotwell (Ed.), *The Origins of the International Labor Organization*; A. Sturmthal, *Unity and Diversity in European Labor*.

W. Y. Carman, *A History of Firearms from Earliest Times to 1914*; W. H. B. Court, "The Communist Doctrines of Empire" and "The Years 1914-1918 in British Economic and Social History" in *Scarcity and Choice in History*; H. C. Engelbrecht and F. C. Hanighen, *Merchants of Death: a Study of the International Armament Industry*; W. K. Hancock and M. M. Gowling, *British War Economy* (History of the Second World War, United Kingdom Civil Series); D. T. Jack, *Studies in Economic Warfare, 1880-1905*; A. S. Milward, *The Economic Effects of the World Wars on Britain*; J. T. W. Newbold, *How Europe Armed for War (1871-1914)*; E. A. Pratt, *The Rise of Rail Power in War and Conquest, 1833-1914*; The Royal Institute of International Affairs, *Survey of International Affairs, 1939-1946*, Vol. I, *The World in March, 1939*, Part II; B. E. Supple (Ed.), *The Experience of Economic Growth*; Y.-L. Wu, *Economic Warfare*.

### 269 Economic History of England from 1216 to 1603

Miss O. P. Coleman. Twenty lectures, Michaelmas and Lent Terms.

For B.Sc. (Econ.) Part I: alternative subject 13, *The Economic History of England, 1216-1603*; B.A. History (second year).

Recommended reading will be given during the course.

### 269(a) Economic History of England from 1216 to 1603 (Classes)

Miss O. P. Coleman and Dr Bridbury.

For B.Sc. (Econ.) Part I: alternative subject 13, *The Economic History of England, 1216-1603*.

### 270 Introduction to the Methods of Econometric History

Mr Potter and Mr Thomas.

Fifteen lectures, Michaelmas and Lent Terms.

For B.Sc. (Econ.) Part II: special subjects Economic History, Modern, Economic History, Mediaeval (third year) and graduate students in Economic History.

Syllabus and recommended reading will be given during the course.

### 271 Mediaeval Economic History (Classes)

Miss O. P. Coleman and Dr Bridbury.

For B.Sc. (Econ.) Part II: special subject Economic History, Mediaeval.

### 272 Economic History, 1575-1642 (Class)

Professor Fisher.

For students taking this special period for B.Sc. (Econ.) Part II.

### 273 Modern Economic History, 1830-1886 (Class)

Professor John and Mr W. M. Stern.

For students taking this special period for B.Sc. (Econ.) Part II.

### 274 Britain and the International Economy, 1929-1936 (Class)

Mr Baines and Mr Falkus.

For students taking this special period for B.Sc. (Econ.) Part II.

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### 275 English Economic History, 1485-1760 (Class)

For B.Sc. (Econ.): *English Economic History, 1485-1760*, VI 3; VII 7 and 8c (second and third years).

### 276 English Economic History from 1760 (Class)

For B.Sc. (Econ.): *English Economic History from 1760*, VI 4; VII 7 and 8d (second and third years).

## FOR GRADUATE STUDENTS

### 277 British Labour History, 1815-1939

Mr Hunt and Mr Baines. Fifteen lectures, Michaelmas and Lent Terms.

For M.Sc.: *British Labour History, 1815-1939*, VI 4(viii); VIII 2(ii).

Syllabus Population growth and its economic and social implications; changes in the geographical distribution of population and the factors underlying mobility; immigration and emigration; the composition of the British labour force; the growth of trades unions: their organization and policy; the relationship between trade unionism and contemporary political movements; the emergence of a system of industrial relations, the state regulation of the conditions of work; the share of wages in the national income and the growth of real incomes; the problem of poverty and unemployment; working class self-help: co-operative distribution and friendly societies; the Poor Law and unemployment insurance; the role of education in the development of a labour force; the development of international labour organizations.

Recommended reading will be given at the beginning of the course.

### 278 The Sources and Historiography of the Economic History of England, 1350-1500 (Seminar)

Miss O. P. Coleman and Dr Bridbury. Fortnightly, Sessional.

### 279 The Sources and Historiography of the Economic History of England in the Seventeenth Century (Seminar)

Professor Fisher. Sessional.

### 280 The Sources and Historiography of British Economic History, 1783-1850 and 1900-1950 (Seminar)

Professor John and Mr W. M. Stern. Weekly, Sessional.

### 281 The Sources and Historiography of the Economic History of the U.S.A., 1890-1929 (Seminar)

Mr Potter and Dr Erickson. Sessional.

### 282 Economic Growth Historically Considered (Seminar)

Professor Fisher, Mr Baines and Mr Falkus. Lent and Summer Terms.

Also for students offering this option for M.Sc.: Demography.

### 283 Economic History of the Sixteenth and Seventeenth Centuries (Seminar)

Professor Fisher. Fortnightly, Michaelmas and Lent Terms.

### 284 Economic History of the Eighteenth and Early Nineteenth Centuries (Seminar)

Professor John. Fortnightly, Michaelmas and Lent Terms. At the Institute of Historical Research.

### 285 American Population from Colonial Times to the Present (Seminar)

Mr Potter. Sessional.

For M.Sc.: *The Population of the U.S.A. from Colonial Times to the Present*, VI 4(ix); M.A. Area Studies and other interested graduate students.

## International History

### 288 Political History, 1763–1939

Dr Anderson, Dr Nish and Mr Robertson. Twenty-five lectures, Michaelmas and Lent Terms.

For B.Sc. (Econ.) Part I.

**Syllabus** The course will provide a general survey of European history in the period, special attention being given to the growth of the modern nation states and their impact on the non-European world.

**Recommended reading** A basic textbook can be chosen from one of the following: E. Barker (Ed.), *The European Inheritance*, Vols. II and III (part of Vol. III, by G. Bruun, is available in the Home University Library series); G. Bruun and W. K. Ferguson, *A Survey of European Civilisation*; C. J. H. Hayes and C. W. Cole, *History of Europe*; T. W. Riker, *A Short History of Modern Europe*. More detailed books on specific periods are: G. Rudé, *Revolutionary Europe, 1783–1815*; D. Thomson, *Europe Since Napoleon*; G. A. Craig, *Europe since 1815*; J. McManners, *Lectures on European History, 1789–1914*; M. Bruce, *The Shaping of the Modern World, 1870–1939*, Vol. I, 1870–1914; C. E. Black and E. C. Helmreich, *Twentieth-Century Europe*; R. F. Leslie, *The Age of Transformation, 1789–1871*; H. Hearder, *Europe in the Nineteenth Century, 1830–1880*; J. R. Western, *The End of European Primacy, 1871–1945*; *New Cambridge Modern History*, Vols. VIII–XII. Guidance on further reading can best be obtained from W. N. Medlicott, *Modern European History, 1789–1945, A Select Bibliography* (published by the Historical Association, *Helps for Students of History*, No. 60). The following volumes in the series *The Rise of Modern Europe*, edited by W. L. Langer, are recommended for more advanced reading: L. Gershoy, *From Despotism to Revolution, 1763–1789*; C. Brinton, *A Decade of Revolution, 1789–1799*; G. Bruun, *Europe and the French Imperium, 1799–1814*; F. B. Artz, *Reaction and Revolution, 1814–1832*; R. C. Binkley, *Realism and Nationalism, 1852–1871*; C. J. H. Hayes, *A Generation*

*of Materialism, 1871–1900*. Of the numerous national and regional histories, the best guides are: A. Cobban, *A History of Modern France*, 2 vols. (Pelican series); E. J. Passant and others, *A Short History of Germany, 1815–1945*; A. Vernadsky, *A History of Russia*; D. Mack Smith, *Italy: a Modern History*; H. M. Vinacke, *A History of the Far East in Modern Times*.

A Historical Atlas, such as Robertson's, Muir's or Seligman's, is useful.

### 288(a) Classes

Fortnightly, Sessional. In connection with Course No. 288.

### 289 Europe and the World, 1760–1939

Dr Anderson, Mr Robertson and Dr Nish, Ten lectures, Michaelmas and Lent Terms.

Optional for B.Sc. (Econ.) Part I.

### 290 Political History

Dr Bourne, Dr Bridge, Mr Grün and Dr McKay. Thirty lectures, Sessional.

For B.Sc. (Econ.) Part II: *Political History*, I 2a; II 4b; III 2; IV 2b; V 1b; VI 8j; VIII 2; IX 3; XIII 3; XV 5 and 6d (ii); XVI 3a (second year).

**Syllabus** The general political relationships of the powers since the sixteenth century; the effect of the Renaissance, the Reformation and the Expansion of Europe upon political life; the rise of the nation states; the absolute monarchies of the sixteenth and seventeenth centuries; the Enlightenment of the eighteenth century; the American Revolution and the break-up of the old colonial Empires; the French Revolution and its Napoleonic aftermath; the reconstruction of Europe, 1813–1822; the subsequent progress of liberal, revolutionary and nationalist movements; the growth of the great modern states; the new imperialism, with special reference to Africa and the Far East; the United States and Japan in world affairs; the first world war and its aftermath.

## International History

**Recommended reading** Among a large number of alternatives C. J. H. Hayes, *A Political and Cultural History of Europe* (2 vols.), is probably the most satisfactory general survey.

Recommended for advanced reading on particular periods is *A General History of Europe*, edited by Denys Hay and published by Longmans. The individual volumes are: Denys Hay, *Europe in the Fourteenth and Fifteenth Centuries*; H. G. Koenigsberger and G. L. Mosse, *Europe in the Sixteenth Century*; D. H. Pennington, *Seventeenth Century Europe*; M. S. Anderson, *Europe in the Eighteenth Century, 1713–1783*; F. L. Ford, *Europe, 1780–1830*; H. Hearder, *Europe in the Nineteenth Century, 1830–1880*; J. M. Roberts, *Europe, 1880–1945*. Very useful for some special topics are the chapters in the volumes of *The New Cambridge Modern History*.

Further reading will be given at the beginning of the lecture course and class teachers will advise on specialisation.

### 290(a) Classes

Fortnightly, Sessional. In connection with Course No. 290.

### 291 International History, 1494–1815

Professor Hatton, Dr Anderson and Dr McKay. Thirty lectures, Sessional.

For B.Sc. (Econ.) Part II: *International History, 1494–1815*, XIV 4 (second year); B.A. History (first and second years); M.A. and M.Sc.: *International History, 1688–1740, 1740–1789, 1789–1815*.

**Syllabus** Political and diplomatic history, mainly of the European Great Powers, with some reference to the evolution of diplomatic practice.

**Recommended reading** G. Butler and S. Maccoby, *The Development of International Law*; D. P. Heatley, *Diplomacy and the Study of International Relations*; G. Mattingly, *Renaissance Diplomacy*; E. M. Satow, *A Guide to Diplomatic Practice*; V. P. Potemkin (Ed.), *Histoire de la Diplomatie, Vol. I*.

G. Zeller, *Les Temps Modernes*, Pts. i and ii (in the series *Histoire des Relations Internationales*, Ed. P. Renouvin); A. Fugier, *La Révolution Française et l'Empire Napoléonien* (in the same series); A. Sorel, *L'Europe et la Révolution Française*, Vol. I, *Les Moeurs et les Traditions*; *New Cambridge Modern History*, relevant chaps. of Vols. I–IX; W. L. Langer (Ed.), *The Rise of Modern Europe*, relevant portions from the volumes covering this period; or from the relevant volumes in the series *Clio: Introduction aux Etudes Historiques*; J. U. Nef, *War and Human Progress*; A. Vagts, *A History of Militarism*; E. M. Earle (Ed.) and others, *Makers of Modern Strategy*. Further reading on particular aspects or periods will be recommended during the course.

### 292 International History, 1815–1914

Professor Joll, Mr Bullen and Dr Bridge. Thirty lectures, Sessional.

For B.Sc. (Econ.) Part II: *International History, 1815–1914*, VI 8b (i); VII 7 and 8e (i); XII 7 and 8f; XIV 5 (second year); B.A. History: optional subject *Diplomatic History 1814–1945* (second year); B.Sc. (Geog.) C 105; M.A. and M.Sc., *International History, 1815–1870, 1870–1914*.

**Syllabus** The history of international relations with special reference to the policies of the Great Powers and to the factors affecting them.

**Recommended reading** H. Hearder, *Europe in the Nineteenth Century*; J. M. Roberts, *Europe 1880–1945*; R. Albrecht-Carrié, *A Diplomatic History of Europe since the Congress of Vienna*; R. W. Seton-Watson, *Britain in Europe, 1789–1914*; J. Joll (Ed.), *Britain and Europe from Pitt to Churchill*; M. S. Anderson, *The Eastern Question*; F. H. Hinsley, *Power and the Pursuit of Peace*; A. J. P. Taylor, *The Struggle for Mastery in Europe*; H. Feis, *Europe, the World's Banker*; G. F. Hudson, *The Far East in World Politics*; L. Lafore, *The Long Fuse*. See also W. N. Medlicott, *Modern European History, 1789–1945, A Select Bibliography*; and A. L. C. Bullock and A. J. P. Taylor, *Books on European History, 1815–1914*.

### International History

Further reading on particular aspects will be recommended during the course.

#### 293 International History since 1914

Mr Grün and Mr Watt. Forty-six lectures, Sessional.

For B.Sc. (Econ.) Part II: *International History since 1914*, VI 8b (ii); VII 7 and 8e (ii); XII 3; XIV 6 (second year); B.A. History: optional subject *Diplomatic History, 1814-1845* (second year); B.Sc. (Geog.) C 106; M.A. and M.Sc.: *International History, 1914-1946*.

**Syllabus** The political and diplomatic history of the period, with due attention to both European and non-European developments.

**Recommended reading** G. M. Gathorne-Hardy, *A Short History of International Affairs, 1920-1939* (4th edn.); F. P. Walters, *A History of the League of Nations*; A. Wolfers, *Britain and France between Two Wars*; W. N. Medlicott, *The Coming of War in 1939* (Historical Association pamphlet, No. G52); G. M. Carter, *The British Commonwealth and International Security*; H. I. Nelson, *Land and Power*; A. L. C. Bullock, *Hitler: A Study in Tyranny*; E. Wiskemann, *The Rome-Berlin Axis; Europe of the Dictators, 1919-1945*; M. Beloff, *The Foreign Policy of Soviet Russia, 1929-1941*; J. T. Pratt, *War and Politics in China*; H. Feis, *The Road to Pearl Harbor*; Churchill, *Roosevelt, Stalin: Between War and Peace*; *The Potsdam Conference*; Llewellyn Woodward, *British Foreign Policy in the Second World War*; C. A. Macartney and A. W. Palmer, *Independent Eastern Europe, 1914-1945*; L. E. Kochan, *The Struggle for Germany, 1914-1945*; G. Hilger and A. Meyer, *The Incompatible Allies*; R. C. North, *Moscow and the Chinese Communists*; F. C. Jones, *Japan's New Order in Asia*; J. L. Snell, *Allied Wartime Diplomacy*; J. W. Spanier, *American Foreign Policy since World War II*; H. Seton-Watson, *Neither War Nor Peace*.

Further reading will be suggested in the course of the lectures.

#### 294 The Mediterranean in International Politics, 1815-1914

Miss Lee. Ten lectures, Michaelmas Term.

For B.Sc. (Econ.) Part II: *The Mediterranean in International Politics, 1815-1914*, XIV 8d (third year) and other interested students.

**Syllabus** A study of political, strategic and economic developments in the Mediterranean region as a factor in international relations, 1815-1914.

**Recommended reading** J. E. Swain, *Struggle for the Control of the Mediterranean Prior to 1848*; R. Robinson and J. Gallagher, "The Imperialism of Free Trade" (*The Economic History Review*, 2nd series, VI, 1953); F. R. Flournoy, *British Policy towards Morocco in the Age of Palmerston*; J. Marlowe, *Anglo-Egyptian Relations, 1800-1953*; H. L. Hoskins, *British Routes to India*; C. W. Hallberg, *The Suez Canal*; R. Robinson and J. Gallagher, *Africa and the Victorians* (chaps. 4 and 5 for the Egyptian Question, 1882); M. M. Safwat, *Tunis and the Great Powers, 1878-1881*; W. L. Langer, "The European Powers and the French Occupation of Tunis" (*The American Historical Review*, XXXI, 1925-26); L. Salvatorelli, *La Triplice Alleanza*; G. Salvemini, *La Politica estera dell' Italia, 1871-1914*; W. N. Medlicott, "The Mediterranean Agreements of 1887" (*Slavonic Review*, V, 1926-27); C. J. Lowe, *Salisbury and the Mediterranean, 1886-1896*; J. A. S. Grenville, "Goluchowski, Salisbury and the Mediterranean Agreements" (*Slavonic Review*, 1958); J. D. Hargreaves, "Entente Manquée" (*Cambridge Historical Journal*, 1953); E. Walters, "Lord Salisbury's Refusal to Revise and Renew the Mediterranean Agreements" (*Slavonic Review*, 1950, 1951); E. F. Cruickshank, *Morocco at the Parting of the Ways*; E. N. Anderson, *The First Moroccan Crisis, 1904-6*; N. Rich, *Friedrich von Holstein*; I. M. Barlow, *The Agadir Crisis*; A. J. Marder, *The Anatomy of British Sea Power, 1880-1905*; J. Tramond and A. Reussner, *Eléments d'Histoire Maritime et Coloniale*; R. Pinon, *L'Empire de la Méditerranée*.

### International History

#### 294(a) Classes

In connection with Course No. 294.

#### 295 British-American-Russian Relations, 1815-1914

Dr Anderson, Dr Bourne and Dr Nish. Twenty-five lectures, Michaelmas and Lent Terms.

For B.Sc. (Econ.) Part II: *British-American-Russian Relations, 1815-1914*, XIV 8c (third year) and other students interested.

**Syllabus** Diplomatic relations of the three powers during the period, with due attention to the geographical, economic and strategic factors which shaped their foreign policies in the areas of contact and tension.

**Recommended reading** H. C. Allen, *Great Britain and the United States*; T. A. Bailey, *A Diplomatic History of the American People* (7th edn., 1964); B. Perkins, *Castlereagh and Adams: England and the United States, 1812-1823*; W. D. Jones, *Lord Aberdeen and the Americas*; E. D. Adams, *Great Britain and the American Civil War*; F. Merk, *The Oregon Question*; W. A. Williams, *American-Russian Relations, 1781-1947*; D. Perkins, *Hands Off: A History of the Monroe Doctrine*; K. Bourne, *Britain and the Balance of Power in North America, 1815-1908*; W. C. Costin, *Great Britain and China, 1833-1860*; H.-P. Chang, *Commissioner Lin and the Opium War*; J. K. Fairbank, *Trade and Diplomacy on the China Coast*; M. Banno, *China and the West, 1858-1861*; W. Habberton, *Anglo-Russian Relations Concerning Afghanistan, 1837-1907*; W. G. Beasley, *Great Britain and the Opening of Japan*; A. Malozemoff, *Russian Far Eastern Policy, 1881-1904*; G. A. Lensen, *The Russian Push Towards Japan: Russo-Japanese Relations, 1697-1875*; A. J. Marder, *British Naval Policy, 1880-1905*; F. H. Michael and G. E. Taylor, *The Far East in the Modern World*; W. L. Langer, *The Diplomacy of Imperialism*; A. W. Griswold, *The Far Eastern Policy of the United States*; E. H. Zabriskie, *American-Russian Rivalry in the Far East, 1895-1914*; L. M. Gelber, *The Rise of Anglo-American Friendship, 1898-1906*; A. E.

Campbell, *Great Britain and the United States, 1895-1903*; C. S. Campbell, *Anglo-American Understanding, 1899-1903*; G. W. Monger, *The End of Isolation: British Foreign Policy, 1900-1907*; G. T. Alder, *British India's Northern Frontier, 1865-1895*; J. A. S. Grenville, *Lord Salisbury and Foreign Policy*; I. C. Y. Hsü, *The Ili Crisis*; I. H. Nish, *The Anglo-Japanese Alliance, 1894-1907*; J. A. White, *The Diplomacy of the Russo-Japanese War*; R. A. Esthus, *Theodore Roosevelt and Japan*.

#### 296 The Baltic in International Politics since 1815

Professor Hatton. Ten lectures, Michaelmas Term.

For B.Sc. (Econ.) Part II: *The Baltic in International Politics since 1815*, XIV 8e (third year) and other students interested.

**Syllabus** The changes of 1814-1815 within the Northern balance; the Scandinavian Union movement 1830-1860; the Crimean War; the Sleswig-Holstein crisis 1860-1864; the nationalist era 1870-1918 and the independence movements in Norway, Finland, the east Baltic states and Iceland; Scandinavia and the League of Nations; Scandinavia and World War II; Scandinavia and the post-war period.

**Recommended reading** The national histories by J. H. Birch, L. Krabbe, K. Larsen, I. Andersson, S. P. Oakley, and E. Jutikkala; L. D. Steefel, *The Schleswig-Holstein Question*; R. M. Hatton, 'Palmerston and Scandinavian Union' in K. Bourne and D. C. Watt (Eds.), *Studies in International History*; E. F. Heckscher (Ed.), *Sweden, Norway, Denmark and Iceland in the World War*; W. F. Reddaway, *Problems of the Baltic*; S. S. Jones, *The Scandinavian States and the League of Nations*; H. Tingsten, *The Debate on the Foreign Policy of Sweden, 1918-1939*; F. D. Scott, *The United States and Scandinavia*; R. E. Lindgren, *Norway-Sweden, Union, Disunion and Scandinavian Integration*; F. Lindberg, *Scandinavia in Great Power Politics, 1905-1908*; N. Ørvik, *The Decline of Neutrality, 1914-1941*; O. A. Rustow, *The Politics of Compromise*; F. la Roche, *La neutralité de la Suède*;

### International History

H. Friis (Ed.), *Scandinavia between East and West*.

#### 296(a) Classes

In connection with Course No. 296 in the Lent Term.

#### 297 International Socialism and the Problem of War, 1870-1914

Professor Joll. Ten lectures, Michaelmas Term.

For B.Sc. (Econ.) Part II: *International Socialism and the Problem of War, 1870-1914*, XII 7 and 8g(i); XIV 8f (third year) and other interested students.

**Syllabus** A study of the development of socialist thought about war, national defence, nationalism and colonialism, and of the attempts at international socialist action to prevent war, including the discussions in the Second International and in the major socialist parties of Europe.

**Recommended reading** G. D. H. Cole, *A History of Socialist Thought*, Vol. III; J. Braunthal, *History of the International, 1864-1914*; J. Joll, *The Second International*; M. M. Drachkovitch, *Les socialismes français et allemands et le problème de la guerre*; H. R. Weinstein, *Jean Jaurès: A Study of Patriotism in the French Socialist Movement*; J. P. Nettl, *Rosa Luxemburg*; V. I. Lenin, *Socialism and War*; V. I. Lenin *Imperialism: the Highest Stage of Capitalism*.

#### 297(a) Classes

In connection with Course No. 297 in the Lent Term.

#### 298 The Great Powers and the Near and Middle East, 1898-1956

Mr Watt. Ten lectures, Michaelmas Term.

For B.Sc. (Econ.) Part II: *The Great Powers and the Near and Middle East 1898-1956*, XIV 8g (third year) and other interested students.

**Syllabus** An examination of the diplomacy of the great powers in relation to Turkey, Persia, Afghanistan, Syria, Iraq, Palestine,

Israel, Saudi Arabia, The Gulf, the Red Sea, Egypt, the Sudan and the Nile Valley and the reactions of the powers of the area to great power diplomacy in the years 1897-1956.

**Recommended reading** E. Kedourie, *Great Britain and the Middle East*; H. L. Howard, *The Partition of the Turkish Empire*; F. Kazemzadeh, *The Struggle for the Caucasus*; C. H. Samra, *India and Anglo-Soviet Relations*; J. Marlowe, *Anglo-Egyptian Relations 1900-1953*; L. Stein, *The Balfour Declaration*; Lord Kinross, *Atatürk*; J. C. Hurewitz, *Diplomacy in the Near and Middle East*; X. J. Eudin and R. C. North, *Soviet Russia and the East, 1920-1927*; G. Lenczowski, *Russia and the West in Iran*; J. T. Shottwell and F. Deak, *Turkey at the Straits*; B. Schwadran, *The Middle East, Oil and the Great Powers*; L. Hirszowitz, *The Third Reich and the Arab East*; M. A. Fitzsimons, *Empire by Treaty*; C. W. Hostler, *Turkism and the Soviets*; Ann Williams, *Britain and France in the Middle East and North Africa*; E. Monroe, *Britain's Moment in the Middle East, 1914-1956*; Hugh Thomas, *The Suez Affair*.

#### 298(a) Classes

In connection with Course No. 298 in the Michaelmas Term.

#### 299 William III and Louis XIV, 1698-1702

Professor Hatton. Twenty classes, Michaelmas and Lent Terms.

For B.Sc. (Econ.) Part II: *William III and Louis XIV, 1698-1702*, XIV 7a (third year).

**Syllabus** A study in detail of the attempt, through co-operation by William III and Louis XIV, to solve the problem of the Spanish succession issue. The course will be based on selected documents from the following authorities: P. Grimblot (Ed.), *Letters of William III, Louis XIV and of their Ministers 1697-1700*, I and II; P. Vaucher (Ed.), *Recueil des Instructions données aux Ambassadeurs et Ministres de France*, (XIV 2, Angleterre, Vol. 3, 1689-1791); L. G. Wickham Legg, *British Diplomatic*

### International History

*Instructions (II, France, 1689-1721)*; F. G. Davenport (Ed.), *European Treaties bearing on the History of the United States and its Dependencies, (III) 1689-1715*; A. Legrelle (Ed.), *La diplomatie française et la succession d'Espagne*, appendices.

#### 300 The Great Powers and Egypt, 1882-1888

Miss Lee. Twenty classes, Michaelmas and Lent Terms.

For B.Sc. (Econ.) Part II: *The Great Powers and Egypt, 1882-1888*, XIV 7b (third year).

**Syllabus** The international development of the Egyptian question, with special reference to the Suez Canal, based on the following authorities: *British and Foreign State Papers, 1882-1883* (Vol. lxxiv); *1887-1888* (Vol. lxxix); C. de Freycinet, *La Question d'Egypte* (1905); Lord Cromer, *Modern Egypt* (1908).

#### 301 The Great Powers and the Balkans, 1908-1914

Dr Bridge. Twenty classes, Michaelmas and Lent Terms.

For B.Sc. (Econ.) Part II: *The Great Powers and the Balkans, 1908-1914* XIV 7c (third year).

**Syllabus** The Macedonian Question in 1908 and the collapse of the Austro-Russian entente. The Bosnian crisis and its aftermath. The Great Powers and European Turkey, 1910-1912—Albania and Crete. The Great Powers, the Balkan League and the Balkan Wars. The intensification of the Great Power struggle for influence in Turkey and the Balkan states 1913-14. Sarajevo, the July crisis, and the outbreak of war.

The course will be based upon selected documents from the following authorities: G. P. Gooch and H. W. V. Temperley (Eds.), *British Documents on the Origins of the War*, Vols. V, IX, X; B. von Siebert, *Entente Diplomacy and the World War*.

#### 302 Great Britain and the Paris Peace Conference of 1919

Mr Grün. Twenty classes, Michaelmas and Lent Terms.

For B.Sc. (Econ.) Part II: *Great Britain and the Paris Peace Conference of 1919*, XII 7 and 8g(ii); XIV 7d (third year).

**Syllabus** A detailed study of British policy in relation to the organization of the peace conference and of the negotiations which led to the signing of the Treaty of Versailles, based on the following authorities: *Papers Relating to the Foreign Relations of the United States, 1919*; *The Paris Peace Conference*, Vols. III-VI; P. Mantoux, *Paris Peace Conference, 1919*; *Proceedings of Council of Four* (Geneva, 1964); D. Lloyd George, *The Truth about the Peace Treaties* (1938).

#### 303 The Manchurian Crisis, 1931-1933

Dr Nish. Twenty classes, Michaelmas and Lent Terms.

For B.Sc. (Econ.) Part II: *The Manchurian Crisis, 1931-1933*, XII 7 and 8g (iii); XIV 7e (third year).

**Syllabus** A detailed survey, based on the study of available original sources, of the international implications of the Sino-Japanese conflict from the time of the Mukden incident (September, 1931) to the conclusion of the Tangku truce (May, 1933). The policies of the Great Powers as well as the role played by the League of Nations will be examined, and the significance of the crisis will be placed in the context of the development of international relations in the interwar years, based on selected extracts from the following authorities: *Papers Relating to the Foreign Relations of the United States, Japan: 1931-1941*, Vol. 1; *League of Nations: Appeal by the Chinese Government, Report of the Commission of Inquiry; Documents on British Foreign Policy, 1919-1939*, 2nd Series, Vols. VIII and IX.

#### 304 The League of Nations in Decline 1933-1937

Mr Robertson. Twenty classes, Michaelmas and Lent Terms.

For B.Sc. (Econ.) Part II: *The League of*

### *International History*

*Nations in Decline 1933-37*, XII 7 and 8g (iv); XIV 7f (third year) and other interested students.

**Syllabus** A study of the relative strength and weakness of the League after the exit of Japan in March 1933. Hitler's attitude to the League and the reasons for Germany's withdrawal in October 1933. Italian proposals for reform 1933-1934. The conflict between Italy and the League over Ethiopia. Failure of the League to take action against Japan as a result of the "China incident". Italy's withdrawal from the League at the end of 1937 and her adhesion to the Anti-Comintern Pact. The course will be based on selected documents from the following: F. P. Walters, *A History of the League of Nations*, Vol. I, chap. 1, the text of the Covenant; Aloisi's *Journal, 1932-1936*; *Documents on British Foreign Policy*, 2nd. series, Vol. VI; *Documents on German Foreign Policy* Series C, Vols. I, II, III and Series D, Vol. I; Ciano's Papers and Diaries.

#### **305 International History, 1494-1815 (Class)**

Professor Hatton, Dr Anderson and Dr McKay. Fortnightly, Sessional.

For B.Sc. (Econ.) Part II: special subject International History.

#### **306 International History, 1815-1914 (Class)**

Dr Nish and Miss Lee. Fortnightly, Sessional.

For B.Sc. (Econ.) Part II: special subject International History.

#### **307 International History since 1914 (Class)**

Mr Watt and Mr Grün. Fortnightly, Sessional.

For B.Sc. (Econ.) Part II: special subject International History.

#### **308 International History, 1815-1914 (Class)**

Mr Robertson and Dr Polonsky. Fortnightly, Sessional.

For B.Sc. (Econ.) Part II students other than International History specialists.

#### **309 International History since 1914 (Class)**

Mr Robertson and Dr Polonsky. Fortnightly, Sessional.

For B.Sc. (Econ.) Part II students other than International History specialists.

### **FOR GRADUATE STUDENTS**

#### **312 International History in the Eighteenth Century (Seminar)**

Professor Hatton. Fortnightly, Sessional. At the Institute of Historical Research. Admission by permission of Professor Hatton.

#### **313 International History, 1660-1789 (Introductory Course)**

Dr McKay. Michaelmas Term.

For beginners in research on the sources and methods of research in modern diplomatic history.

#### **314 International History, 1815-1939 (Introductory Course)**

Dr Anderson. Michaelmas Term. At the Institute of Historical Research.

For beginners in research on the sources and methods of research in modern diplomatic history.

#### **315 International History, 1814-1919 (Seminar)**

Professor Joll and Dr Bourne. Fortnightly, Sessional. At the Institute of Historical Research.

Admission by permission of Professor Joll or Dr Bourne.

### *International History*

#### **316 International History since 1919 (Seminar)**

Professor Joll, Mr Grün, Mr Watt and Mr Robertson. Fortnightly, Sessional. Admission by permission of Professor Joll or Mr Watt.

#### **317 Scandinavian History, 1815 to the Present Day (Seminar)**

Professor Hatton. Fortnightly, Sessional. Admission by permission of Professor Hatton.

#### **318 Diplomatic Theory and Practice, 1500-1815**

Professor Hatton. Sessional. For M.A. and M.Sc. only.

#### **319 The Military Policy and Organization of the Powers since 1815 (Seminar)**

Professor Martin, Mr Bond and Mr Watt. Sessional. At the Institute of Historical Research.

#### **320 Diplomatic Theory and Practice, 1815-1919**

Dr Anderson. Sessional. For M.A. and M.Sc. only.

#### **321 Diplomatic Theory and Practice 1919-1946**

Mr Watt. Sessional. For M.A. and M.Sc. only.

Further classes and seminars for M.A. and M.Sc. students will be arranged as required.

## General and Special Courses for B.A. Honours in History

### 325 English History before 1530

Mr Gillingham. Forty lectures in two sessions.

For B.A. History (first and second years). Recommended reading will be given during the course.

### 326 Mediaeval English History (Classes)

Mr Gillingham and Professor Waley. Sessional.

For B.A. History.

### 327 English History, 1530–1760

Mrs. Carter. Thirty lectures, Michaelmas and Lent Terms.

For B.A. History (first year); B.Sc. (Geog.) C 103.

Recommended reading will be given during the course.

### 328 English History from 1530 to 1760 (Classes)

Mrs Carter. Classes and tutorials, Sessional.

For B.A. History; B.Sc. (Geog.) C 103.

### 329 Later Modern British History

Dr Brown and Professor Waley. Thirty lectures, Sessional.

For B.A. History; B.Sc. (Geog.) C 104. Recommended reading will be given during the course.

### 330 English History, 1760 to the Present Day (Classes)

Dr Brown and Professor Waley. Classes and tutorials, Sessional.

For B.A. History; B.Sc. (Geog.) C 104.

### 331 European History, 1200–1500

Professor Waley. Five lectures, Michaelmas Term.

For B.A. History (first and second years). Recommended reading will be given during the course.

### 332 Mediaeval European History (Classes)

Mr Gillingham and Professor Waley. Sessional.

For B.A. History.

### 333 European History since 1800 (Classes)

Miss Lee, Dr Bridge and Mr Bullen. Sessional.

For B.A. History.

### 334 European History 1500–1800 (Classes)

This course will not be given in the session 1971–72; it will be given in the session 1972–73.

### 335 The History of Ancient and Mediaeval Political Thought

Dr Morrall. Twenty lectures, Michaelmas and Lent Terms.

For B.A. History (first year).

Recommended reading will be given during the course.

### 336 The History of Political Thought (Class)

Michaelmas and Lent Terms.

For B.A. History (first year) fortnightly, (third year) weekly.

### 337 English Constitutional History from c. 1530 to 1914 (Class)

Dr Brown. Fortnightly, Sessional.

For B.A. History, optional subject English Constitutional History c. 1530–1914 (second and third years).

## General and Special Courses for B.A. Honours in History

English Constitutional History from the middle of the eighteenth century. The other part of the course will be given by Mrs Carter in the session 1972–73.

### 338 English Economic History (Classes)

Dr Bridbury and others. Sessional.

For B.A. History, optional subject English Economic History.

### 339 Diplomatic History, 1814–1945 (Classes)

Mr Bullen.

For B.A. History, optional subject Diplomatic History, 1814–1945.

### 340 The Economy of England: 1350–1500 (Intercollegiate Classes)

Miss O. P. Coleman and Dr Bridbury, Michaelmas and Lent Terms, at L.S.E. Mr Hodggett, Summer Term, at King's College.

For B.A. History, special subject The Economy of England, 1350–1500.

### 341 The Near Eastern Question, 1875–1881 (Intercollegiate Seminar)

Dr Bourne and Mr Parry. Michaelmas and Lent Terms for 1972 finalists, Summer Term for 1973 finalists.

For B.A. History, special subject The Near Eastern Question, 1875–1881.

Note Intercollegiate lecture courses covering the field of Mediaeval European History from 400–1500 and Modern European History from 1500 to the present day are given at the Senate House on Monday mornings throughout the session.

*Reference should also be made to the following courses:*

No. 262: **Introduction to Modern English Economic History**

No. 291: **International History, 1494–1815**

No. 292: **International History, 1815–1914**

No. 293: **International History since 1914**

No. 511: **Three Key Mediaeval Political Thinkers**

No. 512: **Political Thought from Hobbes to Burke**





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## Industrial Relations

### 345 (i) Industrial Relations

Professor Roberts and others.

Twenty seminars, Michaelmas and Lent Terms.

For M.Sc. students.

**Syllabus** An analysis of the ideology, organization and behaviour of the parties in the British system of industrial relations: management, trade unions and the State; the evolution of collective bargaining and workplace industrial relations. An examination of the contribution of economics, sociology, history and law in identifying and understanding contemporary industrial relations problems and issues. Analysis of current research and the problems of developing an integrated multidisciplinary approach.

**Recommended reading** S. and B. Webb, *A History of Trade Unionism*; S. and B. Webb, *Industrial Democracy*; E. H. Phelps Brown, *The Growth of British Industrial Relations*; J. Lovell and B. C. Roberts, *A Short History of the T.U.C.*; J. Dunlop, *Industrial Relations Systems*; H. A. Clegg, *The System of Industrial Relations in Great Britain*; Report of the Royal Commission on Trade Unions and Employers' Associations 1965-1968 (Cmnd. 3623); Research Papers published by the Royal Commission, Nos. 1-11; The Industrial Relations Act, 1971; B. C. Roberts, *Trade Union Government and Administration in Great Britain*; H. A. Turner, *Trade Union Growth, Structure and Policy*; A. Flanders, *Management and Unions*; B. C. Roberts (Ed.), *Industrial Relations, Contemporary Problems and Perspectives*; G. S. Bain, *The Growth of White Collar Unionism*; A. Flanders (Ed.), *Collective Bargaining*; R. E. Walton and R. B. McKersie, *A Behavioral Theory of Labor Negotiations*; V. L. Allen, *Power in Trade Unions*; V. L. Allen, *Militant Trade Unionism*; K. W. Wedderburn, *The Worker and the Law* (2nd edn.); K. W. Wedderburn and P. L. Davies, *Employment Grievances and Dispute Procedures in Britain*; B. Aaron (Ed), *Dispute Settlement Procedures in Five Western European*

*Countries*; A. Fox, *A Sociology of Work in Industry*; T. Burns (Ed), *Industrial Man*; E. Schneider, *Industrial Sociology*; J. Goldthorpe et al, *The Affluent Worker: Industrial Attitudes and Behaviour*; J. Goldthorpe et al, *The Affluent Worker in the Class Structure*; L. C. Hunter and D. J. Robertson, *Economics of Labour and Wages*; D. J. Robertson and L. C. Hunter, *Labour Market Issues of the 1970s*; B. J. McCormick and E. Owen-Smith, *The Labour Market*; Annual Reports of the Trades Union Congress; *The British Journal of Industrial Relations*.

### 345 (ii) Industrial Relations

Professor Roberts. Twenty lectures, Michaelmas and Lent Terms.

For Trades Union Studies course; Dip. Personnel Management; B.A./B.Sc. (Soc.) Branch I, 9 and 10g; Branch III, 7e; B.Sc. (Econ.) Part II: *Industrial Sociology*, IX 8f (third year).

**Syllabus** Analysis of the structure of the British system of industrial relations. The growth, organization and ideology of the trade unions. Factors determining the pattern of industrial relations at the level of the enterprise. The dynamics of collective bargaining. The role of management and employers' associations. Relations at the national level between trades unions, employers and the Government. Functions of the Ministry of Labour and statutory bodies. Theories of Industrial Relations. *Depth Enrichment*

**Recommended reading** S. and B. Webb, *A History of Trade Unionism*; S. and B. Webb, *Industrial Democracy*; E. H. Phelps Brown, *The Growth of British Industrial Relations*; H. A. Clegg, *The System of Industrial Relations in Great Britain*; B. C. Roberts (Ed.), *Industrial Relations: Contemporary Problems and Perspectives*; H. A. Turner, *Trade Union Growth, Structure and Policy*; A. Flanders, *Industrial Relations: What is Wrong with the System?*; *Trade Unions*; United Kingdom Ministry of Labour, *Industrial Relations Handbook*; G. D. H. Cole, *A Short History of the British Working-Class Movement*; B. C. Roberts, *Trade Union Government and Administration in Great Britain*; J. Lovell

## Industrial Relations

and B. C. Roberts, *A Short History of the T.U.C.*; J. Dunlop, *Industrial Relations Systems*; Report of the Royal Commission on Trade Unions and Employers' Associations 1965-1968 (Cmnd. 3623); Research Papers published by the Royal Commission, Nos. 1-11; *In Place of Strife—A Policy for Industrial Relations* (Cmnd. 3888, 1969); E. Schneider, *Industrial Sociology*; W. McCarthy, *The Closed Shop in Britain*; V. L. Allen, *Trade Unions and the Government*; A. Flanders, "The Internal Social Responsibilities of Industry" (*British Journal of Industrial Relations*, Vol. IV, No. 1, March 1966); W. H. Scott *et al.*, *Technical Change and Industrial Relations*; A. Sturmthal, *Contemporary Collective Bargaining*; M. Fogarty, *The Just Wage*; F. J. Bayliss, *British Wages Councils*; A. Flanders (Ed.), *Collective Bargaining*.

### 345(a) Industrial Relations (Class)

Professor Roberts and others.  
Sessional.

For M.Sc. students.

### 345(b) Industrial Relations (Class)

Sessional.

For the Trades Union Studies course.

### 346 Trades Unions in Britain:

#### a Political History

Professor Roberts. Ten lectures,  
Michaelmas Term.

For the Trades Union Studies course;  
Dip. Personnel Management; graduate  
students.

**Syllabus** The course will cover selected  
aspects of trades union developments from  
the foundation of the T.U.C. to the  
present day.

**Recommended reading** B. C. Roberts, *The Trades Union Congress, 1868-1921*; J. Lovell and B. C. Roberts, *A Short History of the T.U.C.*; W. J. Davis, *History and Recollections of the T.U.C.* (2 Vols.); S. and B. Webb, *A History of Trade Unionism*; H. A. Clegg, A. Fox and A. F. Thompson, *A History of British Trade Unions since 1889* (Vol. I, 1889-1910); R. Postgate, *The Builders' History*;

G. D. H. Cole, *Short History of the Working Class; History of the Labour Party*; H. M. Pelling, *The Origins of the Labour Party, 1880-1900*; W. H. Crook, *The General Strike*; R. C. K. Ensor, *England, 1870-1914*; E. Halévy, *A History of the English People—Epilogue*, Vol. I, 1895-1905, Vol. II, 1905-1915; J. B. Jefferys, *The Story of the Engineers*; *Annual Reports of the Trades Union Congress*; F. Bealey and H. M. Pelling, *Labour and Politics, 1900-1906*; Martin Harrison, *Trade Unions and the Labour Party since 1945*; V. L. Allen, *Trade Unions and the Government*; E. P. Thompson, *The Making of the English Working Class*; R. Harrison, *Before the Socialists: Studies in Labour and Politics, 1861-1881*; A. J. P. Taylor, *English History, 1914-1945*.

### 347 Theories in Industrial Relations

Mr Loveridge. Ten lectures,  
Lent Term.

For graduate students.

**Syllabus** The course will cover the theories  
of the Webbs, Hoxie, Perlman, Tannen-  
baum, Dunlop, Kerr, Lester, Flanders  
etc.

**Recommended reading** J. T. Dunlop, *Industrial Relations Systems*; S. and B. Webb, *Industrial Democracy*; R. F. Hoxie, *Trade Unionism in the United States*; S. Perlman, *Theory of the Labor Movement*; F. Tannenbaum, *A Philosophy of Labor*; C. Kerr *et al.*, *Industrialism and Industrial Man*; R. A. Lester, *As Unions Mature*; A. Flanders, *Industrial Relations: What is Wrong with the System?*; A. Flanders, "Collective Bargaining: A Theoretical Analysis" (*British Journal of Industrial Relations*, Vol. VI, No. 1, March 1968); H. Behrend, "The Field of Industrial Relations" (*British Journal of Industrial Relations*, Vol. I, No. 3, October 1963); R. E. Walton and R. B. McKersie, *A Behavioral Theory of Labor Negotiations*.

### 347(a) Theories in Industrial Relations (Class)

Ten Classes, Lent Term.

For graduate students.

## Industrial Relations

### 348 Comparative Industrial Relations

Professor Roberts. Ten lectures,  
Lent Term.

For graduate students; suitable for the  
Trades Union Studies course and Dip.  
Personnel Management.

**Syllabus** Some aspects of the development  
of industrial relations in the U.S.S.R.,  
U.S.A. and Europe. The development of  
trades union organization, functions and  
methods of collective bargaining. The role  
of the state with reference to wage  
determination and the settlement of  
industrial conflicts. The pattern of  
industrial relations at the plant level.

**Recommended reading** I. Deutscher, *Soviet Trade Unions*; G. R. Barker, *Some Problems of Incentives and Labour Productivity in Soviet Industry*; F. R. Dulles, *Labor in America*; H. W. Davey, *Contemporary Collective Bargaining*; D. H. Wollett and B. Aaron, *Labor Relations and the Law*; A. E. C. Hare, *Report on Industrial Relations in New Zealand*; W. Galenson (Ed.), *Comparative Labor Movements*; International Labour Office, 1950, *Labour-Management Cooperation in France*; H. J. Spiro, *The Politics of German Co-determination*; K. F. Walker, *Industrial Relations in Australia*; B. C. Roberts, *Labour in the Tropical Territories of the Commonwealth*; A. F. Sturmthal, *Contemporary Collective Bargaining in Seven Countries*; B. C. Roberts (Ed.), *Industrial Relations: Contemporary Issues*; *British Journal of Industrial Relations* (Special Issue on Incomes Policy, Nov. 1964, Vol. II, No. 3; Special Issue on Japan, July 1965, Vol. III, No. 2); F. Harbison and C. Myers, *Management in the Industrial World*; A. F. Sturmthal, *Workers' Councils*.

### 349 Labour Problems

Professor Roberts, Mr Thurley  
and members of the department.  
Sessional.

An interdisciplinary seminar on the  
problems of industrial relations. Open to  
graduates taking labour economics, labour  
law, industrial sociology, industrial  
relations and related subjects.

### 350 Industrial Sociology

Mr Thurley and Mr S. R. Hill.  
Twenty-five lectures, Sessional.

For graduate students with previous  
sociological training.

**Syllabus** Basic concepts used in the theory  
of work behaviour. Formal and informal  
work organization. Role, status and  
"political" systems. Authority systems  
and managerial ideologies. Theory of the  
primary work group. Control of output  
by workers and financial incentive  
schemes. Leadership and theories of  
supervision. Classical and "human  
relations" theories of management  
behaviour. Theory of bureaucracy and  
models of organizational conflict.  
Relationship between technology, role  
systems and work behaviour. Social and  
cultural factors affecting industrialisation,  
innovation and the speed of technical  
change. Sociology of the labour market  
and of the occupational system.

**Recommended reading** J. C. Abegglen, *The Japanese Factory*; C. M. Arensberg *et al.*, *Research in Industrial Human Relations*; R. Bendix, *Work and Authority in Industry*; P. Blau, *Dynamics of Bureaucracy*; E. F. L. Brech, *Organisation: The Framework of Management*; Wilfred Brown, *Exploration in Management*; T. Burns, *Sociology of Industry*; T. Burns and G. M. Stalker, *The Management of Innovation*; M. Crozier, *The Bureaucratic Phenomena*; R. Dubin, *The World of Work: Industrial Society and Human Relations*; Etzioni, *Complex Organizations*; European Productivity Agency, *Report of Rome Conference on Human Relations, 1956*; G. Friedman, *The Anatomy of Work*; A. Gouldner, *Patterns of Industrial Bureaucracy*; E. Jaques, *The Changing Culture of a Factory*; C. Kerr *et al.*, *Industrialisation and Industrial Man*; R. L. Kahn *et al.*, *Organisational Stress*; James W. Kuhn, *Bargaining in Grievance Settlement*; S. B. Levine, *Industrial Relations in Post-War Japan*; R. Likert, *New Patterns of Management*; S. M. Lipset and R. Bendix, *Social Mobility in Industrial Society*; T. Lupton, *On the Shop Floor*; D. McGregor, *The Human Side of the Enterprise*; J. G. March, *Handbook of Organisation*; S. Pollard, *The Genesis of Modern Manage-*

## Industrial Relations

ment; L. R. Sayles, *Behaviour of Industrial Work Groups*; W. H. Scott et al., *Technical Change and Industrial Relations*; H. A. Simon, *Administrative Behaviour*; J. H. Smith, *The University Teaching of Social Sciences: Industrial Sociology*; E. L. Trist, G. W. Higgin, H. Murray and A. B. Pollock, *Organisational Choice*; K. E. Thurley and A. C. Hamblin, *The Supervisor and his Job*; C. R. Walker, R. H. Guest and A. N. Turner, *The Foreman on the Assembly Line*; J. Woodward, *Industrial Organisation*; J. H. Goldthorpe and D. Lockwood, *The Affluent Worker: Industrial Attitudes and Behaviour*; D. Silverman, *The Theory of Organisations*.

### 350(a) Industrial Sociology

Weekly seminar groups in connection with course No. 350.

### 351 Introduction to Industrial Sociology

Mr S. R. Hill. Ten lectures, Michaelmas Term.

For Dip. Personnel Management; Trades Union Studies course; graduate students in Industrial Relations and in Management Studies; M.Sc.: Industrial Sociology XIV 3(xi).

**Syllabus** An introduction to the sociology of work behaviour. Administrative and industrial relations problems discussed with this perspective.

**Recommended reading** S. R. Parker, R. K. Brown, J. Child and M. A. Smith, *The Sociology of Industry*; R. Dubin, *The World of Work*; E. V. Schneider, *Industrial Sociology*; T. Caplow, *The Sociology of Work*.

### 351(a) Sociology of Management (Class)

Mr Graves. Ten meetings, Lent Term.

For Dip. Personnel Management and graduate students in Management Studies.

### 351(b) Organization Theory (Seminar)

Mr Thurley, Mr S. R. Hill and others. Six meetings, Summer Term.

For Dip. Personnel Management and graduate students in Management Studies; M.Sc.: *Industrial Sociology*, XIV 3(xi).

### 351(c) Sociology of Industrial Relations (Class)

Mr Thurley. Fifteen classes, Lent and Summer Terms.

For Trades Union Studies students.

### 352 Trades Union Problems (Seminar)

Mr Gennard and guest speakers. Lent and Summer Terms.

Admission is strictly limited to the Trades Union Studies course.

### 353 Industrial Relations (Case Study Seminars)

Mr R. M. Lewis and Mr Winchester. Lent and Summer Terms.

For Trades Union Studies course; graduate students.

### 354 Labour Statistics

Mr Bosanquet. Eight lectures, Michaelmas Term.

For Dip. Personnel Management; Trades Union Studies course; M.Sc.: *Labour Statistics*, VIII 2 vi; XIII option n.

**Syllabus** Statistics of employment and unemployment, wages, earnings and cost of living. Special problems such as absenteeism, labour turnover, short-time and overtime working, manpower forecasting.

### 355 Industrial Relations and Personnel Management for Non-Specialists

Professor Roberts, Baroness Seear and others. Sessional.

For M.Sc.: *Industrial Relations and*

## Industrial Relations

*Personnel Management for Non-Specialists*, XIII option g.

### 356 Economics for Students of Industrial Relations

Mr Gennard. Twenty-five lectures, Sessional.

For Trades Union Studies and graduate students with no previous training in Economics taking M.Sc.: *Manpower Planning*, VIII 2vi; *Industrial Relations and Personnel Management for Non-Specialists*, XIII option g.

**Syllabus** The nature and scope of economics; the laws of demand; the theory of the firm, perfect competition, monopoly, monopolistic and oligopolistic types of competition. The theory of factor pricing; marginal productivity theory; the supply of labour; extensions of the marginal productivity theory; relative wages and labour mobility. Trades unions and economic theory; sources of union power; trades union wage policy; trades union growth theory; collective bargaining (the Webb-Flanders controversy); the economics of strikes, costs and benefits of strikes. Keynesian theory of employment and contemporary problems of employment, wages and full employment; demand pull approach and cost push approach to inflation; policy measures to combat inflation and an assessment of the effectiveness of these measures. The influence of product and labour markets on industrial relations systems with reference to the construction, printing and professional football industry.

**Recommended reading** R. G. Lipsey, *An Introduction to Positive Economics*; P. A. Samuelson, *Economics, An Introduction*; A. M. Cartter, *Theory of Wages and Employment*; L. C. Hunter and D. J. Robertson, *Economics of Wages and Labour*; B. J. McCormick, *Wages*; B. J. McCormick and E. Owen-Smith, *The Labour Market*; A. R. Rees, *The Economics of Trade Unions*; S. and B. Webb, *Industrial Democracy*; C. G. Williams, *Labour Economics*; R. E. Caves, *Britain's Economic Prospects*.

### 356(a) Economics for Students of Industrial Relations (Class)

Mr Gennard. Twenty-five classes, Sessional.

For Trades Union Studies course.

### 357 Labour Law

Professor Wedderburn and Mr R. M. Lewis. Sessional.

For M.Sc.: *Labour Law*, VIII 2iii; XIII option k and other graduate students.

**Syllabus** (a) *General themes*: the role of the law in industrial relations. The impact of legal rules, sanctions and institutions on collective bargaining and industrial conflict. Current legal policy issues in industrial relations. (b) *The law of collective bargaining*: the legal enforceability of collective agreements. Relationship of collective negotiations to the contract of employment. Drafting of collective agreements. The legal regulation of trades union recognition, membership and the closed shop. Disclosure of information. (c) *The law of industrial conflict*: legal liabilities for direct industrial action. The industrial relations implications of legal sanctions. Statutory prices and incomes policies. Disputes procedures including special procedures for dismissals, discipline, redundancy and racial discrimination. The law and procedural negotiations. Conciliation, arbitration and inquiry. Voluntary and statutory machinery. The Commission on Industrial Relations, the Industrial Tribunals and other bodies. National emergency procedures. (d) *Trades union law*: the legal framework for trades union government, democracy and inter-union relations. Legislative policies and trades union administration; the drafting of rule books and the conduct by unions of collective bargaining, industrial conflict and internal politics.

**Recommended reading** K. W. Wedderburn, *The Worker and the Law* (2nd edn.); *Cases and Materials on Labour Law*; K. W. Wedderburn and P. L. Davies, *Employment Grievances and Dispute Procedures in Britain*; B. Aaron (Ed.), *Dispute Settlement Procedures in Five Western European Countries*; G. Clark, *Remedies*

## Industrial Relations

for *Unjust Dismissal*; Conservative Party, *Fair Deal at Work*; C. Grunfeld, *Modern Trade Union Law*; R. Y. Hedges and A. Winterbottom, *Legal History of Trade Unionism*; B. Hepple, *Race, Jobs and the Law in Britain*; *In Place of Strife*, (Cmnd. 3888, 1969); C. Jenkins and J. Mortimer, *The Kind of Laws the Unions Ought to Want*; C. W. Guillebaud, *The Role of the Arbitrator in Industrial Wage Disputes*; O. Kahn-Freund (Ed.), *Labour Relations and the Law*; O. Kahn-Freund, *Labour Law: Old Traditions and New Developments*; W. E. J. McCarthy, *The Closed Shop in Britain*; F. Meyers, *Ownership of Jobs: A Comparative Study*; *Report of the Royal Commission on Trade Unions and Employers' Associations 1965-1968* (Cmnd. 3623); Royal Commission Research Papers No. 2, Part 1, *Disputes Procedures in British Industry*; Part 2, *Disputes Procedures in Britain*; No. 8, *Three Studies in Collective Bargaining*; B. L. Adell, *Legal Status of Collective Agreements in England, U.S.A. and Canada*.

### 357(a) Labour Law (Class)

Mr R. M. Lewis. Sessional.  
For Trades Union Studies course.

### 358 Industrial Relations and Labour Law (Class)

Mr R. M. Lewis. Michaelmas and Lent Terms.  
For Dip. Personnel Management.

### Course in Trades Union Studies

Lectures and classes will be provided in the following subjects: Economics; Contemporary Trades Unionism and Industrial Relations; British Economic and Social History with special reference to the growth of labour movements; Law, with special reference to trades unionism; Political Organization in Great Britain; Industrial Sociology and Psychology; Elementary Statistics and Business Finance.

### 359 Manpower Studies (Seminar)

Mr Gennard. Sessional.

For M.Sc. *Manpower Planning*, VIII 2vi.

**Syllabus** Industrial, occupational and regional distribution of the manpower stock; employment trends and manpower reserves; forecasting of manpower requirements, participation rates, labour mobility, economics of training; income as a means of equating manpower supply and demand, manpower utilisation. Information in the labour market, government manpower programmes, manpower planning and national economic objectives; manpower planning at the firm; the brain drain.

**Recommended reading** G. G. C. Routh, *Occupations and Pay in Great Britain. 1906-1960*; Manpower Research Unit, *Manpower Studies 1-9* (H.M.S.O.); *Manpower Policy in the U.K.* (O.E.C.D.); B. C. Roberts and J. H. Smith (Eds.), *Manpower Policy and Employment Trends*; M. Blaug (Ed.), *Economics of Education Vols. 1 and 2*; M. Blaug, *Economics of Education*; G. S. Becker, *Human Capital*; Manpower Paper No. 1, *Company Manpower Planning*. Students taking this course are also referred to Courses No. 101 Economics of Education and Human Capital; No. 102 Workshop in the Economics of Education.

Students are also referred to the following courses:

No. 40 **Labour Economics**  
No. 73 **Labour Economics**  
No. 447 **Elements of Labour Law**  
No. 781 **Industrial Psychology**

## International Studies

Many of the subjects in which instruction is given at the School are relevant to the student of international affairs, who will find amongst the courses of study listed under the heads, for example, of Anthropology, Geography and Government several that will be of interest to him. There should, however, be singled out for special mention the courses of instruction listed under the heads of:

**International Economics:** Courses 49, 67-70

**International History:** Courses 288-321

**International Law:** Course 430

and, particularly,

**International Relations:** Courses 580-630

International Studies

Many of the subjects in which the student is given a choice of study are those in which the student of international studies will find the most interest. The student of international studies will find the most interest in the study of the student of international studies. The student of international studies will find the most interest in the study of the student of international studies.

International Studies courses are available in the following subjects: Economics; Contemporary Trade, Industrial and International Relations; British Economic and Social History; with special reference to the growth of labour movements; Law, with special reference to trade unions; Political Organization in Great Britain; Industrial Sociology and Psychology; Elementary Statistics and Business Finance.

Students are also referred to the following courses:  
 No. 40 Labour Economics  
 No. 77 Labour Economics  
 No. 447 Elements of Labour Law  
 No. 73 Industrial Psychology

Courses in Trade Union Studies  
 Lectures and courses will be provided in the following subjects: Economics; Contemporary Trade, Industrial and International Relations; British Economic and Social History; with special reference to the growth of labour movements; Law, with special reference to trade unions; Political Organization in Great Britain; Industrial Sociology and Psychology; Elementary Statistics and Business Finance.

Language Studies

(English, French, German, Italian, Russian, Spanish, General Linguistics and Phonetics)  
 All new students wishing to study a language must register with the Secretary of the Department in the first week of the session. Students who, having already taken a language in Part I of the B.Sc. (Hons.) will be required to take Part II. Students wishing to take a language should consult the Secretary in the first week of the session.

Language Studies

365 Introduction to General Linguistics  
 Mrs. Atkinson, Fortnightly, Second.  
 For B.A. French/Latin, Ger./Lat., Nordic Lang. (3rd year)

366 Introduction to General Phonetics  
 Dr. Denison, Fortnightly, Second.  
 For B.A. French/Latin, Ger./Lat., Nordic Lang. (3rd year)

367 Introduction to General Linguistics (Class)  
 Mrs. Atkinson, Fortnightly, Second.  
 For B.A. French/Latin, Ger./Lat., Nordic Lang. (3rd year)

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375	Linguistics (General)
376	French
378	Spanish
379	German
380	Italian
380	Russian
381	English

N.B. Language Laboratory: Language tapes at various levels (including beginners) are available for self-instruction and for use in connection with regular classes. Enquiries to the Language Laboratory Assistant, 7th floor, Clare Market Building.

## Language Studies

(English, French, German, Italian, Russian, Spanish, General Linguistics and Phonetics)

All new students wishing to study a language must register with the Secretary of the Department in the first week of the session. Students who, having already taken a language at Part I of the B.Sc. (Econ.), wish to continue with it at Part II, should consult their supervisor in the language concerned.

### GENERAL

#### 360 Introduction to General Linguistics

Miss Aitchison. Twenty-five lectures, Sessional.

Whole Course: for all B.A. degrees in Language Studies (first year); B.Sc. (Soc. Psych.), with Course No. 360(c):  $\frac{1}{2}$  course unit; Dip. Anth. (second year). First fifteen lectures: for B.Sc. (Soc. Anth.) Part III: 3b (i).

**Syllabus** Scope of general linguistics. Language as structured symbolic vocal activity. Descriptive linguistics: phonology, morphology, syntax. Transformational-generative grammar. Language change: classification and causation. Comparative historical linguistics. Analytical, structural and contextual approaches to meaning.

**Recommended reading** R. W. Langacker, *Language and its Structure*; H. A. Gleason, *Introduction to Descriptive Linguistics* (2nd edn.); R. H. Robins, *General Linguistics: an Introductory Survey*; J. Lyons, *Introduction to Theoretical Linguistics*; C. F. Hockett, *A Course in Modern Linguistics*; A. Martinet, *Elements of General Linguistics*; F. de Saussure, *Course in General Linguistics*; E. Sapir, *Language*; L. Bloomfield, *Language*.

#### 360(a) Introduction to General Linguistics (Class)

Miss Aitchison. Fortnightly, Sessional.

For B.A. French/Ling.; Ger./Ling.; Russian/Ling. (first year).

#### 360(b) Introduction to General Linguistics (Class)

Michaelmas Term.

For B.Sc. (Soc. Anth.) Part III, 3b (i).

#### 360(c) Introduction to General Linguistics (Class)

Lent Term.

For B.Sc. (Soc. Psych.).

#### 361 Introduction to General Phonetics

Dr Denison and others. Sessional.

For all B.A. degrees in Language Studies (first year).

**Syllabus** Elementary articulatory and acoustic phonetics.

**Recommended reading** K. L. Pike, *Phonetics*; D. Jones, *The Phoneme*; L. E. Armstrong, *The Phonetics of French*; L. E. Armstrong and I. C. Ward, *A Handbook of English Intonation*; I. C. Ward, *The Phonetics of English*; B. Malmberg, *La Phonétique* (No. 637 in 'Que sais-je?' series); D. Jones, *An Outline of English Phonetics* (9th edn.); P. Ladefoged, *Elements of Acoustic Phonetics*; D. A. Abercrombie, *Elements of General Phonetics*; A. C. Gimson, *An Introduction to the Pronunciation of English*.

#### 361(a) Introduction to General Phonetics (Class)

Dr Denison. Fortnightly, Sessional.

For B.A. French/Ling.; Ger./Ling.; Russian/Ling. (first year).

Language Studies

**361(b) Phonetics (Class)**

Mr Durkin. Sessional.

For B.A. French/Ling.; Ger./Ling., Russian/Ling. (second year).

**362 Grammatical Theory**

Mr Durkin. Sessional.

For B.A. French/Ling.; Ger./Ling.; Russian/Ling. (second year).

Syllabus and reading list to be announced.

**363 Linguistic Theory**

Mr Durkin. Sessional.

For B.A. French/Ling.; Ger./Ling.; Russian/Ling. (fourth year).

**364 Psycholinguistics**

Miss Aitchison and others.

Twenty-two lectures, Sessional.

For B.A. French/Ling., 4 and 5d; Ger./Ling., 9; Russian/Ling. (second and fourth years).

Syllabus and Recommended reading to be announced.

**365 Linguistics and Language Teaching**

Dr Denison. Twelve lectures, Michaelmas and Lent Terms.

For B.A. French/Ling., 4 and 5b; Ger./Ling., 7; Russian/Ling. (second and fourth years).

**366 Semantics**

Miss Aitchison. Six lectures, Summer Term.

For B.A. French/Ling.; Ger./Ling.; Russian/Ling. (second year).

Syllabus and Recommended reading to be announced.

**367 General Linguistics (Seminar)**

Dr Denison, Miss Aitchison and Mr Durkin. Summer Term.

For B.A. French/Ling.; Ger./Ling.; Russian/Ling. (second year).

**368 Language and Literature**

Mr Chapman. Lent Term.

For all B.A. degrees in Language Studies second year).

Syllabus The application of linguistics to the study of literature and of literary criticism to the study of linguistics.

Recommended reading D. Crystal, *Investigating English Style*; R. Fowler, *Essays on Style and Language*; G. Hough, *Style and Stylistics*; J. Spencer, *Linguistics and Style*.

**369 Language and Society (Seminar)**

Miss Aitchison, Mr Hotopf and Dr Woodburn. Summer Term.

For graduate students.

FRENCH

**370(i) The History of the French Language, I**

Dr George. Twenty-five lectures, Sessional.

For B.A. French/Ling.; French/Spanish; Ger./French; French/Russian (first year).

Recommended reading A. Ewert, *The French Language*; J. Chaurand, *Histoire de la langue française (Que sais-je?, 167)*; J. Fox and R. Wood, *A Concise History of the French Language*.

**370(ii) The History of the French Language, II**

Dr George. Sessional.

For B.A. French/Ling.; French/Spanish; Ger./French; French/Russian (second year).

**370(iii) History of the French Language (Revision Class)**

Dr George. Fortnightly, Sessional.

**371 An Outline of Nineteenth and Twentieth Century French Literature**

Dr George. Sessional.

For B.A. French/Ling.; French/Spanish; Ger./French; French/Russian (first year).

Language Studies

**372 Selected Topics from Twentieth Century French Literature**

Mrs Scott-James. Sessional.

For B.A. French/Ling.; French/Spanish; Ger./French; French/Russian (second year).

Recommended reading A. Lagarde *et al.*, *XX<sup>e</sup> Siècle*.

**372(a) Twentieth Century French Literature (Class)**

Mrs Scott-James. Sessional.

For B.A. French/Ling.; French/Spanish; Ger./French; French/Russian (second year).

**373 Nineteenth and Twentieth Century French Literature (Seminar)**

Dr Tint and Dr George.

Michaelmas and Lent Terms.

For B.A. French/Ling.; French/Spanish; Ger./French; French/Russian (fourth year).

**373(a) Nineteenth and Twentieth Century French Literature (Revision Class)**

Mrs Scott-James.

For B.A. French/Ling.; French/Spanish; Ger./French; French/Russian (fourth year).

**374(i) French Essay and Translation (Classes)**

Dr Tint. Sessional.

For B.A. French/Ling.; French/Spanish; Ger./French; French/Russian (first year).

**374(ii) Oral French (Classes)**

Dr George. Sessional.

For B.A. French/Ling.; French/Spanish; Ger./French; French/Russian (first year).

**375(i) French Essay and Translation (Classes)**

Mrs Scott-James. Sessional.

For B.A. French/Ling.; French/Spanish; Ger./French; French/Russian (second and fourth years, Group I).

**375(ii) French Essay and Translation (Classes)**

Mrs Scott-James. Sessional.

For B.A. French/Ling.; French/Spanish; Ger./French; French/Russian (second and fourth years, Group II).

**375(iii) Oral French (Classes)**

Sessional.

For B.A. French/Ling.; French/Spanish; Ger./French; French/Russian (fourth year).

**376(i) French Essay and Translation (Classes)**

Dr Tint. Sessional.

For B.Sc. (Econ.) Part II: *An Approved Modern Foreign Language: French*, I 3c; III 3d; VI 8d; VII 7 and 8i; VIII 3f; XII 7 and 8h; XIV 3d; XV 5 and 6c (second year).

**376(ii) French Essay and Translation (Classes)**

Dr Tint. Sessional.

For B.Sc. (Econ.) Part II: *An Approved Modern Foreign Language: French*, I 3c; III 3d; VI 8d; VII 7 and 8i; VIII 3f; XII 7 and 8h; XIV 3d; XV 5 and 6c (third year).

**377 French Contemporary Texts, Translation and Discussion (Class)**

Sessional.

For B.Sc. (Econ.) Part I: alternative subject 11, *An Approved Modern Foreign Language: French*.

**378(i) French Political and Social Texts from 1815 (Class)**

Dr Tint. Sessional.

For B.Sc. (Econ.) Part II: *An Approved Modern Foreign Language: French*, I 3c; III 3d; VI 8d; VII 7 and 8i; VIII 3f; XII 7 and 8h; XIV 3d; XV 5 and 6c (second year).

**378(ii) French Political and Social Texts from 1815 (Class)**

Dr Tint. Sessional.

For B.Sc. (Econ.) Part II: *An Approved*

### Language Studies

*Modern Foreign Language: French*, I 3c; III 3d; VI 8d; VII 7 and 8i; VIII 3f; XII 7 and 8h; XIV 3d; XV 5 and 6c (third year).

#### 379 History of France since 1870 Dr Tint. Sessional.

For B.A. French/Ling.; French/Spanish; Ger./French; French/Russian (first and second years); B.Sc. (Econ.) Part II: *An Approved Modern Foreign Language: French*, I 3c; III 3d; VI 8d; VII 7 and 8i; VIII 3f; XII 7 and 8h; XIV 3d; XV 5 and 6c (second and third years).

#### 380 French Special Subjects Sessional.

For B.A. French/Ling.; French/Spanish; Ger./French; French/Russian (second and fourth years).

#### 381 Beginners' French

Beginners' French language classes will be arranged for undergraduates, graduates and staff on an extracurricular basis, but requiring regular attendance. Early registration with the Secretary of the department is essential.

### SPANISH

#### 382(i) The History of the Spanish Language, I

Mr Gooch. Sessional.

For B.A. French/Spanish; Ger./Spanish (first and second years).

Recommended preliminary reading W. J. Entwistle, *The Spanish Language*; R. K. Spaulding, *How Spanish Grew*; R. Lapesa, *Historia de la lengua española*.

#### 382(ii) The History of the Spanish Language, II

Mr Gooch. Sessional. This course will not be given in the session 1971-72; it will be given in the session 1972-73.

For B.A. French/Spanish; Ger./Spanish (first and second years).

#### 383 Spanish Translation I (Class)

Mr Gooch. Sessional.

For B.A. French/Spanish; Ger./Spanish (first year); B.Sc. (Econ.) Part I: alternative subject 11, *An Approved Modern Foreign Language: Spanish*.

#### 384 Spanish Contemporary Texts and Discussion (Class)

Mr Gooch. Sessional.

For B.A. French/Spanish; Ger./Spanish (first year); B.Sc. (Econ.) Part I: alternative subject 11, *An Approved Modern Foreign Language: Spanish*.

Recommended preliminary reading C. H. Stevenson, *The Spanish Language Today*; G. Torrente Ballester, *Panorama de la literatura española contemporánea*; W. C. Atkinson, *A History of Spain and Portugal*; F. Eguíagaray, *Historia contemporánea de España*.

#### 385(i) Spanish Essay and Translation (Classes)

Mr Gooch. Sessional. These classes will not be given in the session 1971-72.

For B.A. French/Spanish; Ger./Spanish (second year).

#### 385(ii) Spanish Essay and Translation (Classes)

Mr Gooch. Sessional.

For B.A. French/Spanish; Ger./Spanish (fourth year).

#### 386(i) Spanish Essay and Translation (Classes)

Mr Gooch. Sessional.

For B.Sc. (Econ.) Part II: *An Approved Modern Foreign Language: Spanish*, I 3c; III 3d; VI 8d; VII 7 and 8i; VIII 3f; XII 7 and 8h; XIV 3d; XV 5 and 6c (second year).

#### 386(ii) Spanish Essay and Translation (Classes)

Mr Gooch. Sessional.

For B.Sc. (Econ.) Part II: *An Approved*

### Language Studies

*Modern Foreign Language: Spanish*, I 3c; III 3d; VI 8d; VII 7 and 8i; VIII 3f; XII 7 and 8h; XIV 3d; XV 5 and 6c (third year).

#### 387 Selected Nineteenth and Twentieth Century Spanish Authors Mr Gooch. Sessional.

For B.A. French/Spanish; Ger./Spanish (first year); B.Sc. (Econ.) Part II: *An Approved Modern Foreign Language: Spanish*, I 3c; III 3d; VI 8d; VII 7 and 8i; VIII 3f; XII 7 and 8h; XIV 3d; XV 5 and 6c (second year).

Recommended preliminary reading G. Brenan, *The Literature of the Spanish People*; J. García López, *Historia de la literatura española*; A. Valbuena Prat, *Historia de la literatura española*.

Students who wish to study Spanish outside the framework of courses for examination should consult Mr Gooch as early as possible in the session.

### GERMAN

#### 388(i) The History of the German Language, I

Dr Denison. Sessional.

For B.A. Ger./Ling.; Ger./French; Ger./Spanish; Ger./Russian (first year).

#### 388(ii) The History of the German Language, II

Mr Durkin. Sessional.

For B.A. Ger./Ling.; Ger./French; Ger./Spanish; Ger./Russian (second year).

#### 389 German Translation I (Class)

Mrs Hay. Sessional.

For B.A. Ger./Ling.; Ger./French; Ger./Spanish; Ger./Russian (first year); B.Sc. (Econ.) Part I: alternative subject 11, *An Approved Modern Foreign Language: German*.

#### 390 German Contemporary Texts and Discussion (Classes)

Mrs Hay. Sessional.

(i) For B.A. Ger./Ling.; Ger./French; Ger./Spanish; Ger./Russian (first year); B.Sc. (Econ.) Part I: alternative subject 11, *An Approved Modern Foreign Language: German*.

(ii) For B.A. Ger./Ling.; Ger./French; Ger./Spanish; Ger./Russian; B.Sc. (Econ.) Part II: *An Approved Modern Foreign Language: German*, I 3c; III 3d; VI 8d; VII 7 and 8i; VIII 3f; XII 7 and 8h; XIV 3d; XV 5 and 6c (second year).

(iii) For B.Sc. (Econ.) Part II: *An Approved Modern Foreign Language: German*, I 3c; III 3d; VI 8d; VII 7 and 8i; VIII 3f; XII 7 and 8h; XIV 3d; XV 5 and 6c (third year).

#### 391(i) German Essay and Translation (Classes)

Mrs Hay. Sessional.

For B.A. Ger./Ling.; Ger./French; Ger./Spanish; Ger./Russian (second year).

#### 391(ii) German (Classes)

Mrs Hay. Sessional.

For B.A. Ger./Ling.; Ger./French; Ger./Spanish; Ger./Russian (fourth year).

#### 391(iii) German Essay (Classes)

Mrs Hay. Sessional.

For B.A. Ger./Ling.; Ger./French; Ger./Spanish; Ger./Russian (fourth year).

#### 392(i) German Essay and Translation (Classes)

Mrs Hay. Sessional.

For B.Sc. (Econ.) Part II: *An Approved Modern Foreign Language: German*, I 3c; III 3d; VI 8d; VII 7 and 8i; VIII 3f; XII 7 and 8h; XIV 3d; XV 5 and 6c (second year).

#### 392(ii) German Essay and Translation (Classes)

Mrs Hay. Sessional.

For B.Sc. (Econ.) Part II: *An Approved*



## Language Studies

*Modern Foreign Language: German*, I 3c; III 3d; VI 8d; VII 7 and 8i; VIII 3f; XII 7 and 8h; XIV 3d; XV 5 and 6c (third year).

### 393 Selected Nineteenth and Twentieth Century German Authors

Mrs Hay. Sessional.

For B.A. Ger./Ling.; Ger./French; Ger./Spanish; Ger./Russian (first and second years).

### 394 The Development of the Social Drama

Mrs Hay. Twenty lectures, Michaelmas and Lent Terms.

For B.A. Ger./Ling.; Ger./French; Ger./Spanish; Ger./Russian (fourth year).

Students (including beginners) who wish to study German at any level outside the framework of courses for examination, should consult the Secretary of the department as early as possible in the session.

## ITALIAN

### 395(i) Italian Translation I (Class)

Sessional.

For B.Sc. (Econ.) Part I: alternative subject 11, *An Approved Modern Foreign Language: Italian*.

### 395(ii) Italian Contemporary Texts and Discussion (Class)

Sessional.

For B.Sc. (Econ.) Part I: alternative subject 11, *An Approved Modern Foreign Language: Italian*.

**Recommended reading** There are no prescribed texts, but students will find the following books helpful: D. Mack Smith, *Italy, a Modern History*; M. Grindrod, *The Rebuilding of Italy*; D. S. Walker, *A Geography of Italy*; S. Clough, *The Economic History of Modern Italy*; V. Lutz, *Italy, A Study in Economic Development*; F. Chabod, *L'Italia*

*Contemporanea*; G. Procacci, *Storia degli Italiani*.

### 396(i) Italian Essay and Translation (Classes)

Sessional.

For B.Sc. (Econ.) Part II: *An Approved Modern Foreign Language: Italian*, I 3c; III 3d; VI 8d; VII 7 and 8i; VIII 3f; XII 7 and 8h; XIV 3d; XV 5 and 6c (second year).

### 396(ii) Italian Essay and Translation (Classes)

Sessional.

For B.Sc. (Econ.) Part II: *An Approved Modern Foreign Language: Italian*, I 3c; III 3d; VI 8d; VII 7 and 8i; VIII 3f; XII 7 and 8h; XIV 3d; XV 5 and 6c (third year).

### 397 Selected Nineteenth and Twentieth Century Italian Authors

Sessional.

For B.Sc. (Econ.) Part II: *An Approved Modern Foreign Language: Italian*, I 3c; III 3d; VI 8d; VII 7 and 8i; VIII 3f; XII 7 and 8h; XIV 3d; XV 5 and 6c (second and third years).

Students (including beginners) who wish to study Italian at any level outside the framework of courses for examination, should consult the Secretary of the department as early as possible in the session.

## RUSSIAN

### 398 History of the Russian Language (Class)

Dr Johnson. Sessional.

For B.A. French/Russian; Ger./Russian; Russian/Ling. (second year).

### 399(i) The Nineteenth Century Russian Novel I (Class)

Mrs Gottlieb. Sessional.

For B.A. French/Russian; Ger./Russian; Russian/Ling. (first year).

## Language Studies

### 399(ii) The Nineteenth Century Russian Novel II (Class)

Mrs Gottlieb. Sessional.

For B.A. French/Russian; Ger./Russian; Russian/Ling. (second year).

### 399(iii) The Twentieth Century Russian Novel (Class)

Dr Johnson. Sessional.

For B.A. French/Russian; Ger./Russian; Russian/Ling. (first year).

### 400 Nineteenth and Twentieth Century Russian Poetry (Class)

Dr Johnson. Sessional.

For B.A. French/Russian; Ger./Russian; Russian/Ling. (second year).

### 401(i) Translation and Oral Practice (Class)

Mrs Gottlieb. Sessional.

For B.A. French/Russian; Ger./Russian; Russian/Ling. (first year); B.Sc. (Econ.) Part I: alternative subject 11, *An Approved Modern Foreign Language: Russian*.

### 401(ii) Translation and Oral Practice (Class)

Mrs Gottlieb. Sessional.

For B.A. French/Russian; Ger./Russian; Russian/Ling. (second year); B.Sc. (Econ.) Part II: *An Approved Modern Foreign Language: Russian*, I 3c; III 3d; VI 8d; VII 7 and 8i; VIII 3f; XII 7 and 8h; XIV 3d; XV 5 and 6c (second year).

### 402(i) Russian Composition (Class)

Dr Johnson. Sessional.

For B.A. French/Russian; Ger./Russian; Russian/Ling. (first year); B.Sc. (Econ.) Part I: alternative subject 11, *An Approved Modern Foreign Language: Russian*.

### 402(ii) Russian Composition (Class)

Dr Johnson. Sessional.

For B.A. French/Russian; Ger./Russian; Russian/Ling. (second year); B.Sc. (Econ.)

Part II: *An Approved Modern Foreign Language: Russian*, I 3c; III 3d; VI 8d; VII 7 and 8i; VIII 3f; XII 7 and 8h; XIV 3d; XV 5 and 6c (second year).

Students (including beginners) who wish to study Russian at any level outside the framework of courses for examination, should consult the Secretary of the department as early as possible in the session.

## ENGLISH

### 403 English as a Foreign Language

Mr Chapman. Twenty-four lectures, Sessional.

For students whose native language is not English.

**Syllabus** The sentence. Nouns; articles and other modifiers of nouns. Pronouns. The verb; questions and negative statements; use of the tenses; auxiliaries; subject and object. Direct and reported speech. Position of adverbs. Prepositions. Clauses of purpose, result and condition. Number. Word-order. Punctuation. Figures of speech. Changes of meaning. Methods of word-formation.

**Recommended reading** V. H. Collins, *A Book of English Idioms, with Explanations*; O. Jespersen, *Essentials of English Grammar*; C. L. Wrenn, *The English Language*; S. Potter, *Our Language*; H. W. Fowler, *Modern English Usage*; *The Concise Oxford Dictionary*; G. H. Vallins, *The Pattern of English*; C. Barber, *Linguistic Change in Present-Day English*.

### 403(a) English as a Foreign Language (Class)

Mr Chapman. In connection with Course No. 403.

For the discussion of written work and problems of contemporary usage. Admission will be by permission of Mr Chapman.

Language Studies

404 English Speech

Mr Chapman. Five lectures, Michaelmas Term.

For students whose native language is not English, though this course may be of value to other students.

**Syllabus** Speech-mechanism. The basic sounds of English speech. Accent, stress and intonation. Elision and weak forms. Dialect. Modern tendencies.

**Recommended reading** J. R. Firth, *Speech*; D. Jones, *An English Pronouncing Dictionary*; 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*.

405 Written English

Mr Chapman. Eight lectures, Lent Term.

Open to all students. Recommended for candidates for Civil Service and similar public examinations.

**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*.

406 History of English Style (Class)

Mr Chapman. Sessional.

For students of English as a foreign language.

**Syllabus** Comparative study of prose style from the seventeenth century, with particular attention to modern writing, including scientific, technical and political texts. Students will be expected to buy a copy of *English Essays*, edited by W. E. Williams (Penguin Books).

Law

## Law

### COURSES INTENDED PRIMARILY FOR LL.B. STUDENTS

#### 416 English Legal System

Mr Zander, Mr Jacob and Professor Milsom. Thirty-eight lectures, Sessional.

For LL.B. Intermediate.

**Syllabus I.** *Learning the law* (five lectures in the first week):

The nature of the legal process; case and statute law and the courts; law reports and the library.

**Recommended reading** G. L. Williams, *Learning the Law*.

**Syllabus II.**

(a) *Making the law*: sources of law; custom; precedent; statutes and statutory interpretation.

(b) *Changing the law*: the machinery of law reform; codification.

(c) *Historical development of the English legal system*: origins of common law; general outline of the forms of action; development of equity; nineteenth-century reforms.

(d) *The Courts*: their structure, organization, jurisdiction.

(e) *Pre-trial*:

(1) Civil: interlocutory proceedings, pleadings.

(2) Criminal: investigation of crime by the police; the Judges' Rules; police powers of search; arrest; bail.

(f) *The Trial*:

Proceedings before the magistrates, including preliminary hearings; procedure in civil and criminal trials; rules of evidence. The jury.

Remedies; enforcement of judgments.

The appeal process. The costs of litigation; legal aid; right to counsel.

(g) *The legal profession*: judges, barristers and solicitors.

**PRESCRIBED TEXTBOOK**: R. M. Jackson, *The Machinery of Justice in England*.

**Recommended reading** C. K. Allen, *Law in the Making*; O. Hood Phillips, *A First Book of English Law*; G. L.

Williams, *Proof of Guilt*; P. A. Devlin, *The Criminal Prosecution in England*; *Trial by Jury*; W. R. Cornish, *The Jury*; P. Archer, *The Queen's Courts*; S. Bedford, *Faces of Justice*; *The Best We Can Do*; R. E. Megarry *The Lawyer and Litigant in England*; B. Abel-Smith and R. B. Stevens, *In Search of Justice*; M. Zander, *Lawyers and the Public Interest*; S. Dell, *Silent in Court*.

Students should consult the latest editions of these books.

#### 417 Public Law I: Elements of Government

Professor Griffith, Mr Christie and Mr Thornberry. Twenty-four lectures, Sessional.

For LL.B. Intermediate; B.A., B.Sc. (Soc.) Branch III, 2 (first year). Optional for Dip. Soc. Admin. (first year and one-year).

**Syllabus (1)** *The special characteristics of public law in England*.

(2) *The institutions of government*:

(a) The Prime Minister, the Cabinet, the central government departments. The civil service. Political parties.

(b) Local authorities: their staff.

(c) Public corporations: their staff.

(d) Parliament: its composition, functions and privileges. Ministerial responsibility. Elections.

(e) The Judiciary: its constitutional position.

(3) *The processes of government*:

The administrative process: its characteristics. The working of government. The functional relations between the institutions of government. The royal prerogative.

The legislative process: its characteristics, pre-parliamentary and parliamentary.

Subordinate legislation. Private Bills.

The judicial process: its characteristics.

The impact of the courts on the processes of government. Administrative tribunals.

**Recommended reading** O. Hood Phillips, *Constitutional and Administrative Law*; A. H. Hanson and M. Walles, *Governing Britain*; G. Wilson, *Cases and Materials on Constitutional and Administrative Law*.

**FURTHER READING AND**

**REFERENCE**: J. A. G. Griffith and H.

Street, *Principles of Administrative Law* (4th edn.); R. F. V. Heuston, *Essays in Constitutional Law*; W. I. Jennings, *The Law and the Constitution* (5th edn.); J. D. B. Mitchell, *Constitutional Law* (2nd edn.); G. Marshall and G. C. Moodie, *Some Problems of the Constitution*; B. R. Crick, *The Reform of Parliament*; R. T. McKenzie, *British Political Parties* (2nd edn.); L. S. Amery, *Thoughts on the Constitution*.  
Students should consult the latest editions of these books.

#### 418 Law of Contract

Professor Grunfeld and Mr Pickering. Forty lectures, Michaelmas and Lent Terms.

For LL.B. Intermediate.

**Syllabus** Functions of contract. Background and modern problems of the English Law. Formation of valid contracts; intention to create legal relations; offer and acceptance; certainty; consideration; capacity; form. Content: terms of the contract; interpretation of terms; express and implied terms; legal basis of standard contracts; judicial and legislative control of contract; oral, written and collateral contracts. Misrepresentation; mistake; duress and undue influence. Illegality and public policy. Privity of contract and its problems. (Note Assignment and agency are as such excluded.) Performance: agreed variation and abrogation; discharge by breach and frustration. Remedies for breach. Limitation of action.

**Recommended reading** TEXTBOOKS: G. C. Cheshire and C. H. S. Fifoot, *The Law of Contract*; J. C. Smith and J. A. C. Thomas, *A Casebook on Contract*; R. Sutton and N. P. Shannon, *On Contract* (Ed. A. L. Diamond et al.); G. H. Treitel, *The Law of Contract*; W. R. Anson, *Principles of the English Law of Contract* (Ed. A. G. Guest).  
FURTHER READING AND REFERENCE: P. S. Atiyah, *An Introduction to the Law of Contract*; J. Chitty, *On Contracts* (Vol. I, Ed. J. Morris); J. W. Salmond and J. Williams, *Principles of the Law*

*of Contract*; C. H. S. Fifoot, *History and Sources of Common Law*; A. Diamond and G. Borrie, *The Consumer, Society and the Law*.

Students should consult the latest editions of these books.

#### 419 Law of Property I

Professor Milsom. Twenty-four lectures of one-and-a-half hours, Sessional.

For LL.B. Intermediate.

**Syllabus** General introduction: purposes of property law; types of property and of property right; nature and historical origin of equitable interests.

Chattels: basis of title; finding; bailment; gift; sale. Trespass to chattels, detinue and conversion.

Land: tenure; estates; uses and trusts; outline of future interests before 1925; easements, covenants etc.; effects in outline of 1925 legislation; conveyance and estate contract.

Choses in action: types; assignment of debts; negotiable instruments (in outline); transfer of shares; assignment of equitable interests.

Devolution on death, including family provision (in outline).

Property as security: pledge; hire purchase etc. (in outline); mortgage.

**Recommended reading** TEXTBOOKS: G. C. Cheshire, *Modern Law of Real Property*; R. E. Megarry, *Manual of Real Property*; J. Crossley Vaines, *Personal Property*.  
FURTHER REFERENCE: F. H. Lawson, *The Law of Property*; A. D. Hargreaves, *Introduction to the Principles of Land Law*; G. W. Paton, *Bailment in Common Law*; O. R. Marshall, *Assignment of Choses in Action*.

Students should consult the latest editions of these books.

#### 420 Criminal Law

Mr Hall Williams and Miss Temkin. Forty-six lectures, Sessional.

For LL.B. Part I.

**Syllabus** A. *General Principles of Responsibility*.

The need for a principle of responsibility and the growth of strict responsibility.

Objective and subjective tests of liability. The meaning of *Actus Reus* and *Mens Rea*. Acts and omissions. Voluntary and involuntary conduct. Causation. Intention, recklessness and negligence. Principles of construction of penal legislation. Attempts, conspiracy and degrees of participation. General defences.

*Specific Problems of Responsibility*.

Mental disorder: insanity, diminished responsibility and the treatment of the mentally ill. Infancy. Corporations and group responsibility. Vicarious liability.

B. *Specific Crimes: Legal Definition and Social Pathology*.

The more important criminal offences against person and property will be considered against the context of behavioural patterns in society and the use of the criminal law as a means of social control.

C. *Introduction to Criminology*.

Causal factors in crime. Crime prevention. Theory and purposes of punishment. The sentencing process and the function of the Courts; principles of sentencing policy. Treatment of offenders.

**Recommended reading** BASIC TEXTBOOKS:

J. C. Smith and B. Hogan, *Criminal Law*; R. Cross and P. A. Jones, *Introduction to Criminal Law*; C. S. Kenny, *Outlines of Criminal Law*; J. W. C. Turner and A. L. Armitage, *Cases on Criminal Law*; D. W. Elliott and J. C. Wood, *A Casebook on Criminal Law*.

FURTHER READING: W. O. Russell, *Crime* (Ed. J. W. C. Turner); G. L. Williams, *Criminal Law: The General Part; The Mental Element in Crime*; N. R. Morris and C. Howard, *Studies in Criminal Law*; J. Ll. J. Edwards, *Mens Rea in Statutory Offences*; C. Howard, *Strict Responsibility*; A. Goldstein, *The Insanity Defense*; B. Wootton, *Crime and the Criminal Law*; N. Walker, *Crime and Punishment in Britain; Sentencing in a Rational Society*; D. A. Thomas, *Principles of Sentencing*; J. E. Hall Williams, *The English Penal System in Transition*; Report of the Royal Commission on Capital Punishment, 1953 (Cmd. 8932); Report of the Interdepartmental Committee on the Business of the Criminal Courts (Streatfeild Committee) (Cmd. 1289); Criminal Law Revision Committee, Eighth

Report, *Theft and Related Offences*, 1966 (Cmd. 2977).

Students should consult the latest editions of these books.

**Note** The lecturer will give guidance at the commencement of the course on the books to be selected for basic reading. Students are accordingly advised to defer final selection until they have consulted the lecturer or their tutors.

#### 421 Sentencing and the Treatment of Offenders

Mr Hall Williams. Five lectures, Lent Term.

Optional for LL.B. Part I; B.A./B.Sc. (Soc.) Branch I, 9 and 10d (second year); B.Sc. (Econ.) Part II: *Criminology*, IX 8c (second year); LL.M.

**Syllabus** The aims of punishment for crime. The sentencing process. A brief account of current trends in the treatment of offenders.

**Recommended reading** N. Walker, *Crime and Punishment in Britain; Sentencing in a Rational Society*; J. E. Hall Williams, *The English Penal System in Transition*, R. Hood, *Sentencing in Magistrates' Courts*; B. Wootton, *Crime and the Criminal Law*; H. L. A. Hart, *Punishment and Responsibility*; Report of the Interdepartmental Committee on the Business of the Criminal Courts (Streatfeild Committee) (Cmd. 1289); H.M.S.O., *The Sentence of the Court*, 1969; *People in Prison*, 1969.

#### 422(i) Law of Contract and Tort II

Professor Wedderburn, Mr Dean and Mrs Reid. Twenty-five lectures, Sessional.

For LL.B. Part I.

**Syllabus** *Contract*.

I. Remedies in the modern law; problems of certain types of contract (e.g. penalties and hire purchase). See *Tort III*.

II. Agency (in outline); the problems of "the third party" reconsidered. See *Tort II (c)*.

III. Misrepresentation, collateral contracts and tort liability; the innocent statement

## Law

in modern English law and society. See *Tort IV* (a).

IV. Contractual and other obligations; the future of "free contract" in types of commercial and industrial relations; "status" and "contract"; the relationship with "quasi-contract" or "restitution"; the impact of insurance. See *Tort IV* (d).

### Syllabus Tort.

I. Defamation and injurious falsehood.

II. Economic Tort etc.: (a) Employer's duty of care to workmen; (b) Servants and independent contractors etc.; (c) Breach of statutory duty; (d) Legal position of Trades Unions; (e) Conspiracy interference with contract and intimidation.

III. Remedies in Tort: particular attention will be paid to: (a) Damages; (b) Effect of death; (c) Limitation.

IV. A closer study of certain contract-tort relationships (this, in particular, will be closely linked with aspects of the Contract course).

(a) Effect of statements in contract and tort. Negligent misstatements, collateral contracts, deceit etc. See *Contract III*.

(b) Business interests in contract and tort.

(c) Remoteness of damage in contract and tort. See *Contract I*.

(d) A study of the nature of civil liability in modern society. Negligence; strict liability; insurance; state schemes; any foreign schemes worthy of analysis for comparative purposes.

(e) Gaps and defects in the field of contract and tort.

**Recommended reading** As in 418 together with the following: **TEXTBOOKS:** J. W. Salmond, *The Law of Torts*; H. Street, *The Law of Torts*; P. H. Winfield, *Textbook on the Law of Tort*; J. G. Fleming, *Introduction to the Law of Torts*. **FURTHER READING:** C. A. Wright, *Cases on the Law of Torts*; J. F. Clerk and W. H. B. Lindsell, *The Law of Torts*; S. Chapman, *Statutes on the Law of Torts*; J. G. Fleming, *The Law of Torts*; W. L. Prosser, *Handbook of the Law of Torts*. Students should consult the latest editions of these books.

### 422(ii) Law of Tort

Mr Dean and Mr Rickford.

Forty-five lectures, Sessional. This course will not be given in the session 1971-72; it will be given in the session 1972-73.

#### Syllabus Introduction

General observations: a brief examination of the various interests protected by the law of tort and the mental element involved in tort generally.

#### Intentional torts to person and property

(a) Trespass to the person. This should cover assault, battery and false imprisonment and *Wilkinson v. Downton*. In addition, however, it is appropriate here to consider and compare malicious prosecution.

(b) Trespass to land.

(c) General defences to intentional torts to persons and property.

#### Negligent invasions of interests in persons and property

(a) Negligence generally (including *res ipsa loquitur*) and causation and remoteness.

(b) Particular examples of duty to take care:

(i) Chattel liability

(ii) Negligence in relation to premises

(iii) Employer's duty of care to workmen

(iv) Animals

(v) Statement

#### General Topics

Vicarious liability. Action for breach of statutory duty. Damages. Fatal claims. Joint torts. Limitation.

*Invasion of interests in persons and property where intentional or negligent conduct need not always be proved*

(a) Nuisance.

(b) *Rylands v. Fletcher*.

#### Interference with Trading and Economic Interests

(a) Interference with contract.

(b) Conspiracy.

(c) Intimidation.

(d) Defamation.

Students will be expected to show knowledge of the related parts of the Law of Contract and Property.

**Recommended reading** **TEXTBOOKS:** J. W. Salmond, *The Law of Torts*; H. Street,

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*The Law of Torts*; P. H. Winfield, *Textbook on the Law of Tort*; J. G. Fleming, *Introduction to the Law of Torts*.

**FURTHER READING:** C. A. Wright, *Cases on the Law of Torts*; J. F. Clerk and W. H. B. Lindsell, *The Law of Torts*; S. Chapman, *Statutes on the Law of Torts*; J. G. Fleming, *The Law of Torts*; W. L. Prosser, *Handbook of the Law of Torts*. Students should consult the latest editions of these books.

### 423 Law of Property II

Dr Valentine and Mr Evans.

Fifty lectures, Sessional.

For LL.B. Part I.

**Syllabus** Formation of private trusts; settlements and trusts for sale of land; concurrent interests; perpetuities and accumulations.

Modern functions of the trust; the impact of taxation; charitable trusts.

Freedom of use of property: rights and duties of proprietors; easements, covenants and public rights over property; governmental control; planning; compulsory purchase.

Letting property; hiring personalty; leaseholds; rent control, security of tenure and other limits.

Land titles; private conveyancing; registration of encumbrances; registration of title; the systems compared.

Remedies; actions protecting interests in chattels, land; breach of trust.

**Recommended reading** **TEXTBOOKS:** G. C. Cheshire, *Modern Law of Real Property*; R. E. Megarry, *Manual of Real Property*; J. Crossley Vaines, *Personal Property*; Marshall and Nathan, *Equity through the Cases* (5th edn); D. B. Parker and A. R. Mellows, *The Modern Law of Trusts* (2nd edn.); Hanbury, *Modern Equity* (9th edn. by R. H. Maudsley).

**FURTHER REFERENCE:** R. E. Megarry and H. W. R. Wade, *Law of Real Property*;

P. H. Pettit, *Equity and the Law of Trusts*; J. H. C. Morris and W. B. Leach, *The Rule against Perpetuities*; F. H. Lawson, *The Law of Property*; K. De Schweinitz, *England's Road to Social Security*; W. H. Beveridge, *Voluntary Action*; A. E. Telling, *Planning Law and Procedure*; G. W. Keeton, *Social Change in the Law of*

*Trusts*; G. H. Curtiss and T. B. F. Ruoff, *Registered Conveyancing*.

Students should consult the latest editions of these books.

### 424 Public Law II

Dr Leigh and Mr Evans. Thirty-seven lectures. Sessional.

For LL.B. Part I.

**Syllabus** Jurisprudential problems of public law. The concepts of parliamentary sovereignty and the rule of law. The nature of conventions. The categories of power: legislative, judicial, administrative. Judicial review of administrative action. Legal liability of the Crown and other public authorities.

Civil liberties. Constitutional position of police. Extradition, deportation and the status of aliens and Commonwealth citizens. Emergency powers.

Legal and conventional aspects of Commonwealth relations.

**Recommended reading** As for 417 Public Law I, with the addition of the following for **FURTHER READING AND REFERENCE:** J. D. B. Mitchell, *Constitutional Law*; H. Street, *Freedom, the Individual and the Law*; Justice in the Welfare State; D. Williams, *Not in the Public Interest*; *Keeping the Peace*; S. A. de Smith, *Judicial Review of Administrative Action*; *The New Commonwealth and its Constitutions* (chap. 1); H. W. R. Wade, *Administrative Law*; J. F. Garner, *Administrative Law*; D. C. M. Yardley, *A Source Book of English Administrative Law*; I. Zamir, *The Declaratory Judgment*; A. Rubinstein, *Jurisdiction and Illegality*; K. C. Wheare, *Constitutional Structure of the Commonwealth*; G. Marshall, *Police and Government*.

Students should consult the latest editions of these books.

### 425 Law and Social Policy

Various lecturers. Twenty lectures, Michaelmas and Lent Terms.

For LL.B. Part I. Optional for B.A./B.Sc. (Soc.) Branch III, 4 (third year); Dip. Soc. Admin. (second year).

**Syllabus** Some aspects of the relationship

between law and its social context, including the law and: race relations, privacy, computers, poverty, and police discretion.

**Note** The content of the course may be changed from time to time.

#### 426 Jurisprudence

Mr J. W. Harris, Mrs Reid, Mr Rickford and Dr Lapenna. Fifty lectures, Sessional.

For LL.B. Part II.

**Syllabus** 1. Natural Law. Classical and modern theories: law and morals, utilitarianism, the social contract. 2. Imperative theories of law. Positivism: will, sanction, duty, sovereignty. 3. Marxist theories of law. Theories of state and revolution, development of communist law. 4. Rule theories of law. The pure theory and the science of law; the basic norm and the rule of recognition; primary and secondary rules; normative language. 5. Rights and duties—legal terminology. 6. The enforcement of morality. 7. Theories of punishment. 8. Sociological jurisprudence. Theories of interests, the judicial process.

**Recommended reading** will be given during the course.

#### 427 Law of Evidence

Mr Dean. Fifty lectures, Sessional.

For LL.B. Part II.

**Syllabus** 1. Form of trial at Common Law: influence of relationship of judge and jury and adversary system on rules of evidence; decline of jury. 2. What may be proved: (i) facts in issue; (ii) facts probative of facts in issue; (iii) facts relevant to reliability and credibility; (iv) facts conditioning admissibility. 3. Rational basis of proof: direct and inferential proof; validity and limitations of circumstantial proof; non-permissible inferences; prejudice; evidence of character of parties and similar facts; *res gestae*. 4. Incidence of proof: burdens; presumptions and standard of proof. 5. Form of evidence: (i) oral testimony:

validity and sources of error; attendance of witnesses; competence and compellability; examination in court; techniques developed to test reliability and credibility, especially cross-examination; self-serving and inconsistent statements; character and credit of witnesses; position of accused under the Criminal Evidence Act, 1898; corroboration. (ii) documentary evidence: public, judicial and private documents; discovery; proof of contents and execution, extrinsic evidence. (iii) real evidence. (iv) new scientific and technical forms of proof: tape recorders, lie detectors, medical tests and photographs etc. Importance of the expert witness. 6. Exclusion of unreliable evidence: (i) best evidence rule; (ii) opinion; (iii) hearsay and its exceptions, including further consideration of *res gestae*. 7. Exclusion of evidence on grounds other than reliability: (i) privilege; (ii) state interest; (iii) judicial control of police investigation; confessions and the Judges' Rules; illegally obtained evidence; (iv) identification evidence.

8. Facts which need not be proved: (i) judicial notice; (ii) formal admissions. 9. Facts which cannot be proved: estoppels, by record, deed and in pais.

**Recommended reading** TEXTBOOKS: R. Cross, *Evidence*; G. D. Nokes, *An Introduction to Evidence*, may be used in order to become acquainted with the subject; E. Cockle, *Cases and Statutes on Evidence*.

**FURTHER READING:** J. Bentham, "The Rationale of Judicial Evidence" (*The Works of Jeremy Bentham*, Ed. J. Bowring); Z. Cowen and P. B. Carter, *Essays on the Law of Evidence*; E. M. Morgan, *Some Problems of Proof under the Anglo-American System of Litigation*; J. F. Stephen, *A Digest of the Law of Evidence*; J. B. Thayer, *A Preliminary Treatise on Evidence at the Common Law*; J. H. Wigmore, *Science of Judicial Proof*; G. L. Williams, *The Proof of Guilt*.

**FOR REFERENCE:** J. F. Archbold, *Pleading Evidence and Practice in Criminal Cases*; S. L. Phipson, *The Law of Evidence*; J. P. Taylor, *A Treatise on the Law of Evidence*; J. H. Wigmore, *A Treatise of the Anglo-American System of Evidence*. Students should consult the latest editions of these books.

#### 428 Administrative Law with special reference to Local Government

Professor Griffith. Ten lectures of two hours, Michaelmas Term.

For LL.B. Part II.

**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*.

**Recommended reading** BASIC TEXTBOOKS: W. O. Hart, *Introduction to the Law of Local Government and Administration* (8th edn.); J. A. G. Griffith and H. Street, *Principles of Administrative Law* (4th edn.) and *A Casebook of Administrative Law*. ADDITIONAL READING: W. I. Jennings, *Principles of Local Government Law* (4th edn.); S. A. de Smith, *Judicial Review of Administration Action* (2nd edn.); R. M. Jackson, *The Machinery of Local Government* (2nd edn.); C. A. Cross, *Principles of Local Government Law* (3rd edn.); J. A. G. Griffith, *Central Departments and Local Authorities*; W. A. Robson, *Local Government in Crisis*; H. W. R. Wade, *Administrative Law* (2nd edn.); J. F. Garner, *Administrative Law* (3rd edn.). GOVERNMENT PUBLICATIONS: Report of Committee on the Management of Local Government (1967); Report of Committee on the Staffing of Local Government (1967); Report of Royal Commission on Local Government in England (1969); Report of Committee on Administrative Tribunals and Enquiries (Cmnd. 218, 1957); Local Government in Wales (Cmnd. 3340, 4310); White Paper, Cmnd. 4276.

#### 429 History of English Law

Professor Milsom. Twenty-two lectures, Sessional.

For LL.B. Part II.

**Syllabus** The history of the following matters from the Conquest to the Judicature Acts; legal institutions and procedures; the profession and legal literature; property, contract, tort and crime.

**Recommended reading** S. F. C. Milsom, *Historical Foundations of the Common Law*; T. F. T. Plucknett, *Concise History of the Common Law*; G. R. Y. Radcliffe and G. Cross, *The English Legal System*; C. H. S. Fifoot, *History and Sources of the Common Law (Contract and Tort)*; A. W. B. Simpson, *Introduction to the History of the Land Law*.

**FOR REFERENCE:** F. Pollock and F. W. Maitland, *History of English Law*; W. S. Holdsworth, *History of English Law*; T. F. T. Plucknett, *Early English Legal Literature*. Students should consult the latest editions of these books.

#### 430 Public International Law

Dr Valentine and Mr Thornberry. Forty lectures, Michaelmas and Lent Terms.

For LL.B. Part II.

**Syllabus** *International Law in Perspective:* Definition and distinctions; historical, sociological and ethical perspectives; doctrinal controversies; the expansion of international society; the expanding scope of international law. *Foundations of International Law:* Formation of International Law; law-creating processes and law-determining agencies; sources and evidences; principles, rules and standards; international law and municipal law. *International Personality:* Subjects of International Law; sovereignty and state equality; recognition; international representation; heads of state; foreign offices; diplomatic relations; consular relations; continuity and discontinuity of international personality. *State Jurisdiction:* Territorial jurisdiction;

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personal jurisdiction; other bases of jurisdiction; limitations of state jurisdiction.

**Objects of International Law:** Territory; land frontiers; maritime frontiers; the high seas; air space; outer space; individuals and the movement towards a wider recognition of human rights; business enterprises; ships; aircraft; spacecraft.

**International Transactions:** Treaties and other international agreements; unilateral acts; international responsibility.

**International Order and Organization:** Pacific settlement of international disputes; legal and illegal uses of force; regulation of armed conflicts; war and neutrality; legal organization of international society; patterns for the development of international law.

**Recommended reading** PRELIMINARY READING: J. L. Brierly, *The Law of Nations* (6th edn. by H. Waldock). TEXTBOOKS: I. Brownlie, *Principles of International Law*; D. W. Greig, *International Law as Applied by International Courts and Tribunals*; J. G. Starke, *Introduction to International Law*. CASEBOOKS AND MATERIALS: H. W. Briggs, *The Law of Nations* (2nd edn.); L. C. Green, *International Law through the Cases* (3rd edn.); I. Brownlie, *Basic Documents in International Law*. FURTHER READING: W. Friedmann, *The Changing Structure of International Law*; H. Lauterpacht, *The Development of International Law by the International Court*; D. P. O'Connell, *International Law*, 2 Vols.; C. Parry, *The Sources and Evidences of International Law*; G. Schwarzenberger, *The Frontiers of International Law*; D. W. Bowett, *The Law of the Sea*; R. V. Jennings, *The Acquisition of Territory*; D. H. N. Johnson, *Rights in Air Space*; F. Vallat, *International Law and the Practitioner*.

Students should consult the latest editions of these books.

PERIODICALS: *The American Journal of International Law*; *The British Year Book of International Law*; *The International and Comparative Law Quarterly*; *International Organisation*; *Recueil des Cours, Académie de Droit International*

*de la Haye; The Year Book of World Affairs.*

### 431 Conflict of Laws

Mr Hartley and Mr Karsten. Fifty Seminars, Michaelmas and Lent Terms.

For LL.B. Part II.

#### Syllabus

**General:** Introduction; domicile; jurisdiction; foreign judgments; theories of choice of law; procedure and proof of foreign law; characterization; renvoi; the incidental question; public policy. **Contract:** Proper law doctrine; essential validity, interpretation, effects and discharge of contracts.

**Torts:** Choice of law; proper law; American doctrines; place of commission of a tort.

**Family Law:** Formal and essential validity of marriage; polygamy; divorce jurisdiction; recognition of foreign divorces; nullity jurisdiction; recognition of foreign nullity decrees.

**Property:** movables and immovables; assignment of movables; matrimonial property.

**Succession:** Intestate succession; formal and essential validity of wills; construction; administration of estates.

**Recommended reading** G. C. Cheshire *Private International Law*; J. H. C. Morris, *Conflict of Laws*; J. H. C. Morris, *Cases on Private International Law*; REFERENCE: A. V. Dicey and J. H. C. Morris, *Conflict of Laws*; Students should consult the latest editions of these books.

### 432 The Administration of Estates and Trusts

Dr Stone and Mr Nock. Thirty-five lectures, Michaelmas and Lent Terms.

For LL.B. Part II.

**Syllabus** The nature and purpose of the office of personal representative and his powers and duties: the administration of assets of solvent and insolvent estates. The nature and purpose of the office of trustee and his powers and duties; the administration of the assets of a trust

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and methods of variation of the terms of a trust.

The capacity, appointment, retirement, renewal, remuneration and reimbursement of personal representatives and trustees and the control of the court over them.

The remedies of a beneficiary for breach of duty by a personal representative or trustee.

An outline of the law of estate duty, income tax and capital gains tax affecting estates and trusts.

**Recommended reading** A. R. Mellows, *The Law of Succession*; Sweet and Maxwell's *Property Statutes*; D. B. Parker and A. R. Mellows, *The Modern Law of Trusts*; or Hanbury, *Modern Equity*; Nathan and Marshall, *A Casebook on Trusts*; *Snell's Principles of Equity* (Part II, chaps. 6-9 Part III); B. Pinson, *Revenue Law* or C. N. Beattie, *Elements of the Law of Income Tax and Capital Gains Taxation* (chaps. 1, 5, 8 and 17); and C. N. Beattie, *The Elements of Estate Duty* and G. S. A. Wheatcroft (Ed.), *Guide to the Estate Duty Statutes*; D. C. Potter and H. H. Monroe, *Tax Planning*.

FURTHER READING: *Williams on Executors and Administrators*; J. Philip Lawton, *Tax Planning for the Family Solicitor*. Students should consult the latest editions of all books.

### 433 Mercantile Law: Agency and Sales and Other Dispositions of Goods

Mr Pickering, Mr Dean and Mrs Reid. Forty lectures, Michaelmas and Lent Terms.

For LL.B. Part II.

**Syllabus** *Agency.* The nature of the principal-agent relationship and the rights and duties of the parties *inter se* and *vis-à-vis* third parties. The scope of the agent's authority. The effect of the Factors Act, 1889, and the termination of agency.

*Sales and other dispositions of goods.* The nature and special rules relating to sale of goods and hire purchase contracts. C.i.f., f.o.b., and other special forms of international sales. Bills of sale, pledges,

bailments, gifts *inter vivos* and *donationes mortis causa*. The effects of bankruptcy and liquidation.

**Recommended reading** PRELIMINARY: chapters on agency in G. C. Cheshire and C. H. S. Fifoot, *Law of Contract*; chapters on sale of goods, hire purchase, bailments and bankruptcy in T. M. Stevens, *Elements of Mercantile Law* and J. Charlesworth, *Principles of Mercantile Law*; G. Borrie and A. L. Diamond, *The Consumer, Society and the Law*. TEXTBOOKS: P. S. Atiyah, *The Sale of Goods*; A. L. Diamond, *Introduction to Hire Purchase Law*; G. H. L. Fridman, *Sale of Goods*; E. R. H. Ivamy, *Casebook on the Sale of Goods*; *Casebook on Mercantile Law*; C. M. Schmitthoff, *The Sale of Goods; Legal Aspects of Export Sales* (Institute of Export publication); J. C. Vaines, *Personal Property*; R. Powell *The Law of Agency*; G. H. L. Fridman, *Law of Agency*; S. J. Stoljar, *The Law of Agency*.

REFERENCE: W. Bowstead, *The Law of Agency*; M. D. E. S. Chalmers, *Sale of Goods Act, 1893; Final Report of the Committee on Consumer Protection, 1962*, parts I and IV (Cmnd. 1781); R. M. Goode, *Hire-purchase Law and Practice*; A. G. Guest, *The Law of Hire Purchase*; G. W. Paton, *Bailment in the Common Law*; C. M. Schmitthoff, *The Export Trade*.

Students should consult the latest editions of these books.

Copies of the Sale of Goods Act, 1893, the Factors Act, 1889, the Bills of Sale Acts, 1878 and 1882, and the Hire Purchase Acts, 1964 and 1965, will be provided in the examination room.

### 434 Labour Law

Professor Wedderburn, Professor Grunfeld and Mrs Reid. Thirty lectures, Michaelmas and Lent Terms.

For LL.B. Part II.

**Syllabus** The scope and sources of Labour Law. "Servant", "employee", "workman", "employed person", "worker", "independent contractor", "self-employed person". The contract of employment: formation;

effect; obligations of employer and employees, express and implied. Termination of the contract and remedies for breach. Public policy and restraint of trade.

Statutes affecting employment: for example in regard to written particulars of terms; payment of wages; minimum remuneration and holidays; notice to terminate; hours of work; special groups of workers such as children, young persons and women; redundancy payments. Outline of the law relating to social security: sickness, unemployment and industrial injuries and disablement benefit.

Collective agreements and their legal framework: their relationship with the contract of employment. Legislation connected with collective bargaining. Disclosure of information to workers' representatives. Fair wages clauses. Legislation affecting the structure and outcome of collective bargaining; unfair industrial practices. Bargaining Units; Agency Shops and the Closed Shop. The master's responsibility for the safety of his servant. Negligence and breach of statutory duty. Health, safety and welfare and other conditions of work in factories, shops, mines and transport. The central and local authorities responsible for enforcement. Methods of inspection. Compensation for injured employees. Trades unions: legal structure; government and administration (including expulsion); inter-union relations; political activities.

The legal aspects of industrial disputes; strikes and lock-outs. Criminal and civil liability for acts done in connection with industrial conflict. The effect of statute. The impact on trade disputes of social security law. Emergencies and the law. Conciliation, arbitration, committees and courts of inquiry. Voluntary and statutory machinery. The place of the Department of Employment. The influence of the International Labour Office on the development of British labour law.

**Recommended reading** K. W. Wedderburn, *The Worker and the Law* and *Cases and Material on Labour Law*; C. Grunfeld, *Modern Trade Union Law*; The Industrial Relations Act 1971; The Code of Industrial Relations Practice; C. Drake,

*Labour Law*; O. L. Aikin and J. M. Reid, *Labour Law*, Vol. I, *Employment Welfare and Safety at Work*. W. Mansfield Cooper and J. Wood, *Outlines of Industrial Law*; Report of Royal Commission on Trade Unions and Employers' Associations; U.K. Ministry of Labour, *Evidence to Royal Commission on Trade Unions*, 1965; U.K. Department of Employment and Productivity, *Industrial Relations Handbook*; H. A. Clegg, *The System of Industrial Relations in Great Britain*; O. Kahn-Freund, *Labour Law: Old Traditions and New Developments*; A. Flanders, *Trade Unions* (1968 edn.); J. H. Munkman, *Employers' Liability at Common Law*. A. Redgrave, *Factories, Truck and Shop Acts*; N. Citrine, *Trade Union Law*; O. Kahn-Freund (Ed.), *Labour Relations and the Law*; F. R. Batt, *The Law of Master and Servant*; D. C. L. Potter and D. H. Stansfield, *National Insurance; The National Insurance (Industrial Injuries) Act, 1946*; H. Vester and H. A. Cartwright, *Industrial Injuries*, Vols. I and II; E. Jenkins (Ed.), *Digest of Decisions of the Commissioner under the National Insurance Acts*; I. G. Sharp, *Industrial Conciliation and Arbitration in Great Britain*; K. W. Wedderburn and P. L. Davies, *Employment Grievances and Disputes Procedures in Britain*; G. W. Guillebaud, *The Wages Councils System in Great Britain*; E. H. Phelps Brown, *The Growth of British Industrial Relations*; O. Kahn-Freund, "Labour Law" in M. Ginsberg (Ed.), *Law and Opinion in England in the Twentieth Century*; A. Flanders, *Management and Unions*; G. H. L. Fridman, *Modern Law of Employment*.

Students should consult the latest editions of these books.

### 435 Domestic Relations

Dr Stone and Mr S. A. Roberts. Forty lectures, Michaelmas and Lent Terms.

For LL.B. Part II.

**Syllabus** (a) MARRIAGE. Requirements of a valid marriage. Form of marriage (in outline only). Grounds for nullity. The distinction between void and voidable marriages. Capacity and consent of

parties and third persons; consanguinity and affinity. Polygamous marriages.

(b) THE EFFECT OF MARRIAGE ON PROPERTY RIGHTS. Common law, equity and statute. Title to and possessory rights in property. Liability in contract and tort. The powers of the Court in respect of alimony, maintenance, periodical payments and variation of settlements. Matrimonial proceedings in the magistrates' courts. Maintenance and consortium. Rights and liabilities of spouses in relation to third parties.

(c) PARENT AND CHILD. The relation of parent and child, including legitimacy, legitimation and adoption. Custody and guardianship; the rights and obligations of parents at common law, in equity and by statute. Rights and obligations in respect of illegitimate children. The intervention of courts and of local authorities under the Children and Young Persons Acts and the Children Acts.

(d) SEPARATION. (i) by agreement; (ii) by order of the court.

(e) DIVORCE. Grounds for divorce. Candidates will not be required to display any knowledge of the details of court procedure.

**Recommended reading** The latest editions of all books should be used.

PRELIMINARY READING: F. Pollock and F. W. Maitland, *History of English Law before the Time of Edward I*, Vol. II, chaps. 6 and 7; A. V. Dicey, *Lectures on the Relation between Law and Public Opinion in England during the Nineteenth Century*, chap. 11; *Report of the Royal Commission on Marriage and Divorce* (Morton Commission) (Cmd. 9678, 1956); Law Commission reports. TEXTBOOKS: P. M. Bromley, *Family Law*; Sweet and Maxwell's *Family Law Statutes* (1970); J. Jackson, *The Law Relating to the Formation and Annulment of Marriage*; W. Clarke Hall and A. C. L. Morrison, *Law Relating to Children and Young Persons*.

Students should also read articles on recent statutes and court decisions in *The Modern Law Review*, *The Law Quarterly Review* and *The Conveyancer*. REFERENCE BOOKS: W. Rayden, *Practice and Law in the Divorce Division of the High Court and on Appeal Therefrom*;

C. Foote, R. J. Levy and F. E. A. Sander, *Cases and Materials on Family Law*.

### 436 The Law of Business

#### Associations

Mr Nock, Mr Bretten and Mr Pickering. Thirty lectures, Michaelmas and Lent Terms.

For LL.B. Part II.

**Syllabus** Historical development of the trading association: social and legal reasons for the rise of the modern registered company with limited liability. Partnerships: the dominant features of partnership law.

Statutory demands for incorporation, and other modern unincorporated commercial groups: the unit trust. The modern registered company: a) Constitution; administration; corporate personality; types of company and their function; capacity and *ultra vires*. (b) Flotation; shares and debentures (in outline); protection of investors, creditors and depositors. (c) Shareholders as members; protection of the minority. (d) Directors and management: as agents and "alter ego"; fiduciary and statutory duties; the auditor. (e) Maintenance of capital; reconstructions, mergers and problems of take-overs. Other topics of company law will be touched on only lightly, e.g. details on transfer of securities and priorities; accounts; winding-up.

Other business associations (in outline), e.g. industrial and provident societies; friendly societies; public corporations. Functions of different kinds of commercial associations and comparison of their problems, e.g. control of management; relations with employees; impact of the "public interest", state shareholding etc. **Note** Company Law will not normally account for more than two-thirds of this course. Copies of the Companies Acts, 1948 and 1967 will be provided in the examination room.

**Recommended reading** L. C. B. Gower, *Modern Company Law*; M. A. Weinberg, *Take-Overs and Amalgamations*; H. A. J. Ford, *Unincorporated Non-Profit Associations*; N. B. Lindley, *Law of Partnership*; or P. F. P. Higgins, *Law of Partnership*;



H. R. Hahlo and M. J. Trebilcock, *A Casebook on Company Law* (London, 1970); Halsbury, *Laws of England* (on associations not otherwise covered). Further reading will be recommended during the course. Students should consult the latest editions of these books.

#### 437 International Protection of Human Rights

Mr Thornberry. Twenty meetings, Michaelmas and Lent Terms.

For LL.B. Part II.

**Syllabus 1.** The evolution, institutional framework and fundamental assumptions of international law. The sources and subjects of international law. The role of nationality. The local remedies rule.

**2.** The history of humanitarian intervention. Slavery. The protection of minorities and the League of Nations. War crimes, the Genocide Convention, 1948, and the Geneva Conventions, 1949. The Red Cross. The International Labour Organization. Mandates and trust territories. Self-determination.

**3.** The protection of human rights through the United Nations and specialised agencies. Refugees and stateless persons.

**4.** Protection of human rights on a regional basis, with particular reference to the Council of Europe and the application of the European Convention for the Protection of Human Rights and Fundamental Freedom.

**Recommended Reading** A. GENERAL WORKS ON INTERNATIONAL LAW J. L. Brierly, *The Law of Nations* (espec. chap. 6); I. Brownlie, *Principles of Public International Law* (espec. chap. 22); J. E. S. Fawcett, *The Law of Nations* (espec. part 4); D. W. Greig, *International Law* (espec. chap. 14); C. W. Jenks, *A New World of Law?* (espec. chap. 6); G. Schwarzenberger, *A Manual of International Law* (espec. chap. 4 and Study Outlines on 'Human Rights'); J. G. Starke, *Introduction to International Law* (espec. chap. 11).

B. SPECIALIST WORKS ON THE LAW OF HUMAN RIGHTS I. Brownlie (Ed.), *Basic Documentation on Human Rights*; J. E. S. Fawcett, *The Application of*

*the European Convention on Human Rights*; C. W. Jenks, *Human Rights and International Labour Standards*; H. Lauterpacht, *International Law and Human Rights*; A. H. Robertson; *Human Rights in Europe*; A. H. Robertson (Ed.) *Human Rights in National and International Law*; E. Schwelb, *Human Rights and the International Community*.

#### 438 Basic Principles of Soviet and Yugoslav Legal Systems

Dr Lapenna. Thirty lectures, Sessional.

For LL.B. Part II.

**Syllabus I. Introduction.** Marxist concept of state and law as ideological foundation of the state organization and the legal system. Impact of Roman Law and influences of pre-revolutionary "bourgeois" law as reflected in some legal notions. The role of legal traditions and local customs. System: legal branches and institutions; codes, statutes and other sources; legislative machinery; the question of hierarchy of legal acts and the concepts of "socialist legality".

II. *Main Features of the Constitutional Structure.* State ("social") property as basis of the economic organization; unity of power; legal status of the Communist Party; Soviets, councils and the Yugoslav commune; national and state sovereignty; federalism; human rights in theory and practice; constitutional courts in Yugoslavia.

III. *Legal Aspects of Economic Relations.* Forms of ownership (state, "social", co-operative, *kolkhoz*, by social organizations, personal, private); legal personality, the role of juristic persons; contracts and torts; planning; state economic plan as opposed to the Yugoslav "social" plan.

IV. *Fundamentals of Criminal Legislation.* Crime as a social phenomenon; the system of the codes; material and formal definition of crime; criminal liability; juvenile delinquency; types of crime, especially crimes against the state, official crimes and economic crimes; rights of the accused in criminal proceedings; system of punishments; correction of offenders:

educational measures, social pressure; administrative penalties.

V. *Settling Disputes.* Courts, state and departmental *arbitrazh*, economic courts (in Yugoslavia), arbitration courts, comrades' courts, proceedings in labour disputes; the legal profession: judges, procurators, public prosecutors (in Yugoslavia), advocates, notaries, jurists-consults, state attorneys (Yugoslavia).

**Recommended reading** H. J. Berman, *Justice in the U.S.S.R.*; A. G. Chloros, *Yugoslav Civil Law*; J. N. Hazard, *Communists and Their Law*; E. L. Johnson, *An Introduction to the Soviet Legal System*; I. Kovacs, *New Elements in the Evolution of Socialist Constitution*; I. Lapenna, *State and Law: Soviet and Yugoslav Theory; Soviet Penal Policy*; P. S. Romashkin, *Fundamentals of Soviet Law*.

Further reading will be given during the course.

#### 439 The Law Relating to Civil Liberties in England and Wales

Mr Evans and Dr Leigh. Ten meetings, Michaelmas Term.

For LL.B. Part II.

**Syllabus** (1) Freedom of expression; public meetings, public order; state security; obscenity.

(2) Pre-trial criminal procedure; arrest; search and seizure; bail.

**Recommended reading** O. Hood Phillips, *Constitutional and Administrative Law* (4th edn.); H. Street, *Freedom, the Individual and the Law*; I. Brownlie, *Law Relating to Public Order*; D. G. T. Williams, *Keeping the Peace*; Emersen, Haber and Dorsen, *Cases and Materials in Civil Liberties*, Vol. I.

Further reading will be given during the course.

#### 440 The Law Relating to Housing in England and Wales

Professor Griffith. Ten meetings, Lent Term.

For LL.B. Part II.

**Syllabus** Local housing authorities and the Department of the Environment.

The treatment of unfit houses. The individual house. Groups of unfit houses. Clearance and compulsory purchase. The improvement of houses. Provision of housing accommodation by local authorities. Finance of local authority housing.

**Recommended reading** Housing Acts, 1957, 1964 and 1969; Race Relations Act, 1968; Housing Subsidies Act, 1967; Acquisition of Land (Authorisation Procedure) Act, 1946; Compulsory Purchase Act, 1965; Housing (Slum Clearance Compensation) Act, 1965; Rent (Control of Increases) Act, 1969; Chronically Sick and Disabled Persons Act, 1970; W. O. Hart, *Introduction to the Law of Local Government and Administration* (8th edn., esp. chap. 20); C. A. Cross, *Principles of Local Government Law* (3rd edn.); Evelyn Sharp, *The Ministry of Housing and Local Government*; J. B. Cullingworth, *Housing and Local Government; Housing in Transition*; D. V. Donnison, *The Government of Housing; Housing Policy since the War*; J. A. G. Griffith, *Central Departments and Local Authorities*, chap. 4.

#### 441 Law and the "Underprivileged"

Mr Zander. Ten meetings, Lent Term.

For LL.B. Part II.

**Syllabus** (1) The low-income tenant: (a) private tenants: security of tenure; harassment; rent fixing; repairs and improvements; slum clearance from the slum tenants' point of view; overcrowding. (b) local authority tenants: allocation; rents and rent rebates; eviction. (2) Consumer credit and the indigent. (3) Social security: the legal position of the recipient of social security; entitlement *versus* discretion; challenges to wrongful decisions. (4) Procedure: judicial review; the class or representative action; the role of *amicus curiae* and written briefs; the legal profession; and the rules of professional etiquette on legal services for the poor.

**Recommended reading** Rent Act, 1968; Rent Act, 1965, Part III; Housing Act, 1957; Report of the Milner Holland Committee on *Housing in Greater London* (Cmnd. 2605, 1965); Report of the

Cullingworth Committee on *Council Housing Purposes Procedures and Priorities*, 1969; E. Burney, *Housing on Trial*; H. Rose, *The Housing Problem*; Report of the Francis Committee on the Rent Acts 1971 (Cmnd. 4609, 1971; Cmnd. 4596); Report of the Crowther Committee on Consumer Credit (when published) together with memoranda to the Committee from *inter alia*, the Consumer Council, the Consumers' Association, the Hire Purchase Trade Association, and the Finance Houses Association; D. Caplovitz, *The Poor Pay More*; Social Security Act, 1966; J. Stein, *Protecting the Right to Supplementary Benefits* (when published); D. Marsden, *Mothers Alone*; A. Delafield Smith, *The Right to Life*; S. A. de Smith, *Judicial Review of Administrative Action* (2nd edn.); W. W. Boulton, *Conduct and Etiquette at the Bar* (4th edn.); T. Lund, *The Professional Conduct and Etiquette of Solicitors*.

BACKGROUND READING: P. Townsend, "On Poverty" (*The British Journal of Sociology*, 1956); P. Townsend, *The Last Refuge* (chaps. 4, 12 and 17); A. Harvey, *Casualties of the Welfare State* (Fabian Tract); R. M. Titmuss, *Commitment to Welfare*; A. B. Atkinson, *Poverty in Britain and the Reform of Social Policy*; J. H. Marshall, *Social Policy*.

#### COURSES INTENDED PRIMARILY FOR B.Sc. (Econ.) STUDENTS

##### 442 English Legal Institutions

Mr Zander and Mr Jacob.  
Twenty-two lectures, Sessional.

For B.Sc. (Econ.) Part I: alternative subject 5, *English Legal Institutions*; B.Sc. Geog., C 501.

**Syllabus** Sources of law; case law and the theory of binding precedent; legislation and statutory interpretation; custom. Reform of the law and codification. The organization of the courts: their jurisdiction and the types of cases with which they deal. Administrative tribunals. Arbitration. Civil and criminal cases, including an outline of pre-trial pro-

ceedings; evidence and procedure. The personnel of the law including judges, magistrates, juries, barristers and solicitors. Legal aid and advice. Appeals. Students are not expected to have any knowledge of the substantive rules of law in contract, tort, criminal law or in the other branches of the law.

**Recommended reading** PRELIMINARY READING: G. L. Williams, *Learning the Law*; P. Archer, *The Queen's Courts*. TEXTBOOKS: R. M. Jackson, *The Machinery of Justice in England*.

FURTHER READING: C. K. Allen, *Law in the Making*; P. A. Devlin, *The Criminal Prosecution in England*; *Trial by Jury*; *Samples of Lawmaking*; G. L. Williams, *The Proof of Guilt*; R. E. Megarry, *Lawyer and Litigant in England*; B. Abel-Smith and R. B. Stevens, *In Search of Justice*; M. Zander, *Lawyers and the Public Interest*.

Students should consult the latest editions of these books.

##### 443 Elements of Commercial Law

###### A: Contract

Mr J. W. Harris. Ten lectures, Michaelmas Term.

For B.Sc. (Econ.) Part II: *Commercial Law*, I 3f; III 3f; IV 6, 7 and 8f; V 5; *Labour Law*, IV 6, 7 and 8j (second year).

###### Syllabus

1. Formation of a valid contract: intention to create legal relations, offer and acceptance, legal basis of standard contracts, consideration, capacity, form, misrepresentation, mistake, duress, undue influence, illegality (restraint of trade).
2. Content: implied term, control of exemption clauses.
3. Privity: exceptions to the doctrine.
4. Discharge: performance, variation, breach, frustration.
5. Remedies for breach of contract: repudiation, damages, specific performance, injunction. Limitation of action.

**Note** Candidates will be supplied in the examination room with copies of the Misrepresentation Act, 1967.

**Recommended reading** Relevant chapters in J. Charlesworth, *The Principles of Mercantile Law*; or T. M. Stevens,

*Elements of Mercantile Law*; P. S. Atiyah, *Introduction to the Law of Contract*.

FOR REFERENCE: J. C. Smith and J. A. C. Thomas, *A Casebook on Contract*; G. C. Cheshire and C. H. S. Fifoot, *The Law of Contract*.

Students should use the latest editions of the above books.

##### 444 Elements of Commercial Law

###### B: Partnership and Company Law

Mr Nock. Ten lectures, Lent Term.

For B.Sc. (Econ.) Part II: *Commercial Law*, I 3f; III 3f; IV 6, 7 and 8f; V 5 (second year).

**Syllabus** The nature and advantages of corporate personality and the distinction between companies incorporated under the Companies Act, and partnerships, and limited partnerships. The law as codified in the Partnership Act, 1890. Proceedings against partners and proof of partnership and separate debts in bankruptcy.

Companies registered under the Companies Act, 1948. Formation and flotation. *Ultra vires*. Raising and maintenance of capital and dividends. Agents and organs of the company and the rule in *Royal British Bank v. Turquand*. Shares and debentures. Charges on the company's property. Publicity; annual returns, accounts, and audit. Meetings and resolutions. The duties of directors and problems of enforcement. Protection of the minority and their remedies. Reconstructions, amalgamations and winding-up (in outline only).

**Note** Candidates will be supplied in the examination room with copies of the Partnership Act, 1890 and the Companies Acts, 1948 and 1967.

**Recommended reading** A. Underhill, *Principles of the Law of Partnership*; F. Pollock, *A Digest of the Law of Partnership*; J. A. Hornby, *An Introduction to Company Law*; J. Charlesworth, *Company Law*; Leigh and Northey, *Company Law*.

FOR REFERENCE: L. C. B. Gower, *The Principles of Modern Company Law*; R. R. Pennington, *The Principles of Company Law*. Students should consult the latest editions of these books.

##### 445 Elements of Commercial Law

###### C: Consumer Protection

Mr Rickford. Ten lectures, Michaelmas Term.

For B.Sc. (Econ.) Part II: *Commercial Law*, IV 6, 7 and 8f; optional for I 3f; III 3f (third year). (Students specialising in Economics, Analytical and Descriptive or in Monetary Economics should take either this course or Course No. 446.)

**Syllabus** The nature of contracts for the sale of goods and hire-purchase and special rules relating to such contracts. The exclusion of terms implied by legislation. The remedies of parties involved in sale and hire-purchase transactions, and restrictions upon their exercise. An outline of the law relating to weights and measures, merchandise marks, manufacturers' liabilities, advertising and sales practices.

**Note** Candidates will be supplied in the examination room with copies of the Sale of Goods Act, 1893 and the Hire Purchase Acts of 1964 and 1965.

**Recommended reading** R. Lowe, *Sale of Goods and Hire-purchase*; G. J. Borrie and A. L. Diamond, *The Consumer, Society and the Law*; P. S. Atiyah, *The Sale of Goods*; A. L. Diamond, *Introduction to Hire-Purchase Law*; T. M. Stevens, *Elements of Mercantile Law*; J. Charlesworth, *Principles of Mercantile Law*; G. J. Borrie, *A Source Book of Commercial Law*.

FOR REFERENCE: Final Report of the Committee on Consumer Protection 1962 (Cmnd. 1781); E. R. H. Ivamy, *Casebook on the Sale of Goods*; *Casebook on Mercantile Law*; C. M. Schmitthoff, *The Sale of Goods*; G. H. L. Fridman, *Sale of Goods*.

Students should consult the latest editions of these books.

##### 446 Elements of Commercial Law

###### D: Income and Capital Taxation of Individuals and Corporations

Mrs Manduke Curtis. Twelve lectures, Michaelmas and Lent Terms.

For B.Sc. (Econ.) Part II: *Commercial*

## Law

Law, V 5. Optional for I 3f; III 3f (third year). Students specialising in Economics, Analytical and Descriptive or in Monetary Economics should take *either* this course or Course No. 445.

**Syllabus** General outline of Income Tax and Surtax, Corporation Tax and Capital Gains Tax; the basis of taxation of individuals and of companies; the Schedules and their effect with particular reference to Cases I and II of Schedule D and Schedules E and F.

**Recommended reading** will be given during the course.

### 447 Elements of Labour Law

Professor Grunfeld and Mr R. M. Lewis. Thirty lectures, Michaelmas and Lent Terms.

For B.Sc. (Econ.) Part II: *Labour Law*, IV 6, 7 and 8j (third year); Dip. Personnel Management; Trades Union Studies course.

**Syllabus 1. Collective labour relations:**

*a* Trade unions: legal structure; government and administration (including expulsion); inter-union relations; political activities.

*b* Collective bargaining: strikes and other forms of industrial action; traditional role of Government (conciliation, arbitration, fact-finding); legal effect and enforcement of collective agreements; extension of representative collective agreements (Fair Wages Resolution, fair wages legislation, Terms and Conditions of Employment Act, 1959); substitute machinery for collective bargaining (minimum wages legislation). Legal regulation of bargaining units and agents and of the closed shop. Role of the Commission on Industrial Relations and other agencies.

*c* The effect of the Industrial Relations Act 1971.

**2. Individual labour relations:**

*a* Nature of the contract of employment: structure; employment, a voluntary relationship; servant and independent contractor, employed and self-employed persons.

*b* Wages: Factories Act "Particulars"; checkweighing; non-disciplinary deductions.

*c* Hours and holidays with pay: women and young persons, children and adult male workers.

*d* Sickness: common law rights; sickness benefits and sick pay schemes.

*e* Disciplinary powers of management: common law duties of employees; employers' sanctions; negotiated procedures.

*f* Termination of employment: the new law of redundancy; unemployment benefit; "unfair" dismissals.

*g* Safety and health:

(i) common law duties; common law action for damages;

(ii) principal statutory duties; criminal and administrative sanctions; common law action for damages;

(iii) industrial injury and disablement benefit.

*h* Prohibition of discrimination on grounds of race and sex: Race Relations Act, 1968, Equal Pay Act, 1970.

**Recommended reading** O. L. Aikin and J. M. Reid, *Labour Law*, Vol. I, *Employment, Welfare and Safety at Work*; C. Drake, *Labour Law*; C. Grunfeld, *Modern Trade Union Law*; K. W. Wedderburn, *The Worker and the Law; Cases and Materials on Labour Law*; Report of Royal Commission on Trade Unions and Employers' Associations; D.E., *Guide to Redundancy Payments Act 1965* (revised edn.), O. Kahn-Freund, "Legal Framework" in A. Flanders and H. A. Clegg (Eds.), *The System of Industrial Relations in Great Britain*; O. Kahn-Freund, "Labour Law" in M. Ginsberg (Ed.), *Law and Opinion in England in the Twentieth Century*; O. Kahn-Freund, *Labour Law: Old Traditions and New Developments*; H.M.S.O., *Industrial Relations Handbook and Research Papers of the Royal Commission on Trade Unions and Employers' Associations*.

**FOR REFERENCE:** W. Mansfield Cooper, *Outlines of Industrial Law*; N. Citrine, *Trade Union Law*; H. Samuels, *Trade Union Law*; F. R. Batt, *The Law of Master and Servant*; A. Redgrave, *Factories, Truck and Shops Acts*; J. H. Munkman, *Employers' Liability at Common Law*; O. Kahn-Freund (Ed.), *Labour Relations and the Law*; D. C. L.

## Law

Potter and D. H. Stansfield, *National Insurance* (Introduction) and *National Insurance (Industrial Injuries) Act* (Introduction); *Written and Oral Evidence to the Royal Commission of C.B.I. and T.U.C.*; B. Hepple, *Race, Jobs and the Law in Britain*.

Students should consult the latest editions of these books.

### 448 Constitutional and Administrative Law

Mr Hartley. Thirty lectures, Sessional.

For B.Sc. (Econ.) Part II: *Constitutional and Administrative Law*, III 3e; VIII 3b (second year).

**Syllabus** The nature of constitutional law. Sources and characteristics of British constitutional law. Parliamentary sovereignty. Constitutional conventions. The rule of law.

Parliament: its position, functions and powers. Parliamentary privilege and procedure. Control over national finance. The monarchy. The royal prerogative. The Privy Council and the Cabinet. Ministerial responsibility. The civil service. The constitutional position of the judges. The nature of administrative law. The legislative, executive and judicial powers of the Administration. Delegated legislation. Administrative adjudication. Judicial and other controls over the powers of the Administration. The principles of Crown liability.

The structure and financing of local government. The liability of local authorities.

The nature and constitution of public corporations. Relations with Ministers and Parliament. Powers, duties, liabilities and privileges. Consumer bodies. The liberties of the subject. Emergency powers. Military and martial law.

**Recommended reading** TEXTBOOKS:

S. A. de Smith, *Constitutional and Administrative Law*; O. Hood Phillips, *Constitutional and Administrative Law* or E. C. S. Wade and G. G. Phillips, *Constitutional Law*; J. A. G. Griffith and H. Street, *Principles of Administrative Law*; W. I. Jennings, *The Law and the Constitution*; W. I. Jennings, *Principles of*

*Local Government Law*; D. L. Keir and F. H. Lawson, *Cases in Constitutional Law*; O. Hood Phillips, *Leading Cases in Constitutional Law*; G. Wilson, *Cases and Materials on Constitutional and Administrative Law*.

**FURTHER READING AND REFERENCE:**

R. F. V. Heuston, *Essays in Constitutional Law*; A. V. Dicey, *Introduction to the Study of the Law of the Constitution*; W. I. Jennings, *Cabinet Government*; H. W. R. Wade, *Administrative Law*; J. F. Garner, *Administrative Law*; D. C. M. Yardley, *A Source Book of English Administrative Law*; W. I. Jennings, *Parliament*; W. A. Robson, *Justice and Administrative Law*; S. A. de Smith, *Judicial Review of Administrative Action*; C. K. Allen, *Law and Orders*; C. K. Allen, *Administrative Jurisdiction*; C. T. Carr, *Concerning English Administrative Law*; G. Marshall and G. C. Moodie, *Some Problems of the Constitution*; G. L. Williams, *Crown Proceedings*; H. Street, *Governmental Liability*; W. O. Hart, *Introduction to the Law of Local Government and Administration*; C. A. Cross, *Principles of Local Government Law*; C. J. Hamson, *Executive Discretion and Judicial Control*; I. Zamir, *The Declaratory Judgment*; A. Rubinstein, *Jurisdiction and Illegality*; D. G. T. Williams, *Keeping the Peace*; H. Street, *Freedom, the Individual and the Law*; J. D. B. Mitchell, *Constitutional Law*; J. A. G. Griffith and H. Street, *A Casebook of Administrative Law*; H. Street, *Justice in the Welfare State*; Report of the Committee on Ministers' Powers (Cmd. 4060, 1932); Report of the Committee on Administrative Tribunals and Enquiries (Cmnd. 218, 1957).

Students should consult the latest editions of these books.

**PERIODICALS:** Articles relevant to this subject appear regularly in *Public Law* and from time to time in *The Modern Law Review* and other legal periodicals.

### 449 International Law

Dr Nelson. Twenty lectures, Michaelmas and Lent Terms.

For B.Sc. (Econ.) Part I: alternative subject 14, *International Law*; B.Sc. (Econ.) Part II: *International Law*, XII 6

Law

and 7e; XIV 3c (third year); B.Sc. Geog., C 502.

Syllabus *International Law in Perspective*: definition and distinctions; historical, sociological and ethical perspectives; doctrinal controversies; the expansion of international society; the expanding scope of international law.

*Foundations of International Law*: formation of international law; law-creating processes and law-determining agencies; sources and evidences; principles, rules and standards; international law and municipal law.

*International Personality*: subjects of international law; sovereignty and state equality; recognition; international representation; heads of state; foreign offices; diplomatic relations; consular relations; continuity and discontinuity of international personality.

*State Jurisdiction*: territorial jurisdiction; personal jurisdiction; other bases of jurisdiction; limitations of state jurisdiction.

*Objects of International Law*: territory; land frontiers; maritime frontiers; the high seas; airspace; outer space; individuals and the movement towards a wider recognition of human rights; business enterprises; ships; aircraft; spacecraft.

*International Transactions*: treaties and other international agreements; unilateral acts; international responsibility.

*International Order and Organization*: pacific settlement of international disputes; legal and illegal uses of force; regulation of armed conflicts; war and neutrality; legal organization of international society; patterns for the development of international law.

Recommended reading TEXTBOOKS: M. Akehurst, *A Modern Introduction to International Law*; J. L. Brierly, *The Law of Nations* (6th edn.); G. Schwarzenberger, *A Manual of International Law* (5th edn.).

BOOKS OF MATERIALS: L. Brownlie, *Basic Documents in International Law*; L. C. Green, *International Law through the Cases* (3rd edn.).

FURTHER READING: W. Friedmann, *The Changing Structure of International Law*; D. W. Greig, *International Law*; L. Henkin, *How Nations Behave*; C. W. Jenks, *A New World of Law?*; J. G.

Starke, *Introduction to International Law* (6th edn.).

PERIODICALS: *The American Journal of International Law*; *The British Year Book of International Law*; *The International and Comparative Law Quarterly*; *International Organisation*; *International Relations*; *The Year Book of World Affairs*.

450 Soviet Law

Dr Lapenna. Ten lectures, Lent Term.

For B.Sc. (Econ.) Part II: *The Politics and Government of a Foreign or Commonwealth Country*, VIII 8c (third year); graduate students of Law and others interested.

Syllabus Soviet interpretations of the Marxist doctrine of state and law. Unity of the legal system and the position of public international law. Fundamental notions of civil law. Family law. Inheritance. Criminal law. "Socialist" legality. Organs of the judiciary. Criminal procedure. Civil procedure.

Recommended reading TEXTBOOKS: H. J. Berman, *Soviet Criminal Law and Procedure*; V. Gsovski and K. Grzybovski, *Government, Law and Courts in the Soviet Union and Eastern Europe*, Parts II-V; K. Grzybovski, *Soviet Legal Institutions*; J. N. Hazard, *Communists and Their Law* (re parts); *Settling Disputes in Soviet Society*; E. L. Johnson, *An Introduction to the Soviet Legal System*; H. Kelsen, *The Communist Theory of Law*; A. Kiralfy, *The Russian Civil Code*; I. Lapenna, *State and Law: Soviet and Yugoslav Theory*; I. Lapenna, *Soviet Penal Policy*; P. S. Romashkin, *Fundamentals of Soviet Law*; Z. Szirmai (Ed.), *Law in Eastern Europe*, Nos. 1, 3 and 9. CASEBOOKS: J. N. Hazard and M. L. Weisberg, *Cases and Readings on Soviet Law*; H. J. Berman and W. E. Butler (Eds.), *Soviet Statutes and Decisions*.

Students should consult the latest editions of these books.

Further reading will be given at the beginning of the course.

Law

451 Introduction to Comparative Law

Mr Lazar. Ten lectures, Lent Term.

For LL.B. Part II and for graduate law students. Others will be admitted only by permission of Mr Lazar.

Syllabus A discussion of some of the problems arising from the comparison of "common law" and of "civil law" systems. Although there will be occasional references to other legal systems the course will be mainly concerned with English, American, French and German law. It will include the following topics: the purpose and method of studying "comparative law". Sources of international misunderstandings between lawyers. Meaning of the antithesis of "common" and "civil" law. Significance of Roman law. Codified law versus case law. Systematic versus casuistic thinking. University-made law versus "guild law". The contrast of public and private law and its fundamental importance. "Separation of powers" and "séparation des pouvoirs". The role of the courts in law-making. Statutory interpretation. Principle of precedent. Constitutional review. "General clauses" and Equity. "Freedom of contract" versus protection of workers and consumers. Influence of technical development on delictual liability. Publicity of property transactions. The meaning of "commercial law".

Recommended reading H. C. Gutteridge, *Comparative Law* (2nd edn.); R. B. Schlesinger, *Comparative Law, Cases and*

*Materials* (2nd edn.); R. C. K. Ensor, *Courts and Judges in France, Germany and England*; R. David, *Traité Élémentaire de Droit Civil Comparé*; R. David and H. P. de Vries, *The French Legal System*; *Manual of German Law* edited by British Foreign Office (2 Vols.); C. J. Hamson and T. F. T. Plucknett, *The English Trial and Comparative Law*; C. J. Hamson, *Executive Discretion and Judicial Control: an Aspect of the French Conseil d'Etat*; F. H. Lawson, *A Common Lawyer Looks at the Civil Law*; F. W. Maitland, "Trust and Corporation" and "The Corporation Sole" in *Selected Essays*; A. T. Von Mehren, *The Civil Law System, Cases and Materials*.

FOR REFERENCE: P. Arminjon, B. Nolde and M. Wolff, *Traité de Droit Comparé* (3 Vols.); W. W. Buckland and A. D. McNair, *Roman Law and Common Law* (2nd edn.); S. Galeotti, *The Judicial Control of Public Authorities in England and in Italy*; F. H. Lawson, *Negligence in the Civil Law*; D. Lloyd, *Public Policy*; M. Rheinstein (Ed.), *Max Weber on Law in Economy and Society*; J. D. B. Mitchell, *The Contracts of Public Authorities*; K. Renner, *The Institutions of Private Law and their Social Functions*; B. Schwartz (Ed.), *The Code Napoléon and the Common-law World*; M. A. Sieghart, *Government by Decree*; H. Street, *Government Liability, A Comparative Study*; C. Szladits, *Guide to Foreign Legal Materials (French, German, Swiss)*. Students should consult *The International and Comparative Law Quarterly* and *The American Journal of Comparative Law*.

The following classes will be held for LL.B. and B.Sc. (Econ.) students of the School only.

Subject

- 416(a) English Legal System
- 417(a) Public Law I
- 418(a) Law of Contract I
- 419(a) Law of Property I
- 420(a) Criminal Law
- 422(i)(a) Law of Contract and Tort II
- 423(a) Law of Property II

Degrees for which classes are intended

- LL.B. Intermediate
- LL.B. Intermediate
- LL.B. Intermediate
- LL.B. Intermediate
- LL.B. Part I
- LL.B. Part I
- LL.B. Part I

Law

Subject

	Degrees for which classes are intended
424(a) Public Law II	LL.B. Part I
426(a) Jurisprudence	LL.B. Part II
427(a) Law of Evidence	LL.B. Part II
428(a) Administrative Law with special reference to Local Government	LL.B. Part II
429(a) History of English Law	LL.B. Part II
430(a) Public International Law	LL.B. Part II
431(a) Conflict of Laws	LL.B. Part II
432(a) The Administration of Estates and Trusts	LL.B. Part II
433(a) Mercantile Law	LL.B. Part II
434(a) Labour Law	LL.B. Part II
435(a) Domestic Relations	LL.B. Part II
436(a) Law of Business Associations	LL.B. Part II
437(a) International Protection of Human Rights	LL.B. Part II
438(a) Basic Principles of Soviet and Yugoslav Legal Systems	LL.B. Part II
442(a) English Legal Institutions	B.Sc. (Econ.) Part I
443(a) Elements of Commercial Law: Contract	B.Sc. (Econ.) Part II
444(a) Elements of Commercial Law: Partnership and Company Law	B.Sc. (Econ.) Part II
445(a) Elements of Commercial Law: Consumer Protection	B.Sc. (Econ.) Part II
446(a) Elements of Commercial Law: Taxation	B.Sc. (Econ.) Part II
447(a) Elements of Labour Law	B.Sc. (Econ.) Part II
448(a) Constitutional and Administrative Law	B.Sc. (Econ.) Part II
449(a) International Law	B.Sc. (Econ.) Parts I and II
452 African Law	LL.B. Part II

**SEMINARS FOR THE LL.M. DEGREE, GIVEN WHOLLY OR PARTLY BY TEACHERS OF THE SCHOOL**

**453 Legal History**

Professor Milsom and Mr Birks (U.C.).

**Syllabus** English legal history generally (as in the LL.B. examination) with special reference to its bearing upon the following topics in the prescribed period. The period prescribed until further notice is 1216-1327.

The main movements of legal thought. Characteristics of mediaeval law.

Influence of civil, canon and mercantile law. Legislation. Case law, local customs. Principal sources of legal history (records, year books, treatises).

The courts of law (including parliament). Local courts. The judiciary and the legal profession.

The forms of action and the outline of procedure and pleading. Battle. Wager of law. The jury.

Real property. Tenure. Common law estates. Conveyances and their effects. Feudalism. Seisin. Inheritance. Personal property. Ownership and possession. Contract at common law and in law merchant. Tort. Trespass. Defamation and its relation to ecclesiastical jurisdiction. Criminal law (treason, felonies,

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misdemeanours). Appeals, indictments, pardons, forfeiture and escheat. Law merchant (its sources, nature and the institutions administering it).

**Recommended reading** General introductions are T. F. T. Plucknett, *Concise History of the Common Law* and S. F. C. Milsom, *Historical Foundations of the Common Law*. The most detailed study of most of the period, and to be used as a basic text-book, is F. Pollock and F. W. Maitland, *History of English Law* (2nd edn. 1898) reissued with new introduction and bibliography in 1968.

Reference should also be made to the following: W. S. Holdsworth, *History of English Law*; T. F. T. Plucknett, *Legislation of Edward I*; *Early English Legal Literature*; *Edward I and Criminal Law*; J. B. Ames, *Lectures on Legal History*; C. H. S. Fifoot, *History and Sources of the Common Law*; A. W. B. Simpson, *Introduction to the History of the Land Law*; J. B. Thayer, *Preliminary Treatise on Evidence at the Common Law*.

Students should consult the latest editions of these books.

Copious original materials are in print, in the publications of the Selden Society and elsewhere, and students should familiarise themselves with the nature of plea rolls, year books, formularies, and of the principal treatises. Attention is drawn to the edition of *Glanvill* by G. D. G. Hall and to the edition of *Bracton* now in course of publication by S. E. Thorne. The publications of the Selden Society and the Ames Foundation and the year book volumes in the Rolls Series frequently contain introductions of value and those falling within the special period should be studied. Articles and reviews in *The Law Quarterly Review* and *The English Historical Review* should be consulted.

**454 Comparative Constitutional Law I**

(The Constitutions of the United States, Canada and Australia)

Dr Leigh, Dr Letwin and Mr Chesterman (K.C.)

Also for M.Sc.: *Comparative Government*, XV 3.

**Syllabus I** General principles of federalism and the constitutional structures of the United States, Canada, and Australia (in outline). The influence of the imperial structure and the American example in the case of Canada and Australia.

**II** Governmental institutions and the federal principle. First and second chambers. Parliamentary and congressional government and the representation and rights of states and provinces. The federal executive and regional representation. The influence of conventions of the constitution.

**III** The judicial structure and the federal principle: the United States contrasted with Canada and Australia. Arguments for and against the several judicial systems.

**IV** The doctrine of the separation of powers: the United States and Australia contrasted with Canada; definition of the powers; delegation of legislative powers.

**V** General principles governing the allocation of legislative powers. Doctrine of implied immunity of instrumentalities. Doctrine of inconsistency. The judicial function in constitutional cases: advisory opinions, political questions.

**VI** The regulation of trade and commerce. Freedom of trade within the three federal systems; the effect of other specific powers in the regulation of trade and commerce.

**VII** Finance. The allocation of taxing powers. The spending power of the federal governments; intergovernmental grants; the machinery of fiscal allocation in the three systems.

**VIII** External affairs: the powers to enter into and implement external obligations. Relations between the states and provinces and foreign governments, and between the federal government and foreign governments.

**IX** Aspects of the constitutional protection of fundamental rights and the rights of minorities. The effect of a Bill of rights on federal-state relationships.

**Note** Candidates will not be required to display knowledge of constitutional developments which have occurred within the six months preceding the date of the examination.

**Recommended reading** TEXTBOOKS AND

CASEBOOKS: G. Sawyer, *Modern Federalism*; M. Forkosch, *Constitutional Law*; N. T. Dowling and G. Gunther, *Cases and Materials on Constitutional Law*, or W. B. Lockhart, Y. Kamisar, J. Choper, *The American Constitution: Cases and Materials*; C. Howard, *Australian Federal Constitutional Law*; G. Sawyer, *Cases on the Constitution of the Commonwealth of Australia*; B. Laskin, *Canadian Constitutional Law*.

FOR REFERENCE: V. S. Mackinnon, *Comparative Federalism*; L. W. Levy, *Judicial Review and the Supreme Court*; P. Freund, *On Law and Justice*; C. E. Hughes, *The Supreme Court of the United States*; R. McCloskey, *The Supreme Court*; W. R. Lederman, *The Courts and the Canadian Constitution*; J. P. Meekison, *Canadian Federation, Myth or Reality?*; G. Sawyer, *Australian Federalism in the Courts*; W. A. Wynes, *Legislative, Executive and Judicial Powers in Australia*; Z. Cowen, *Federal Jurisdiction in Australia*; J. A. Maxwell, *Commonwealth-State Financial Relations in Australia*; G. Doeker, *The Treaty Making Power in the Commonwealth of Australia*; A. Smith, *The Commerce Power in Canada and the United States*. Students should consult the latest editions of these books.

#### 455 Company Law

Professor Wedderburn and Mr Pickering.

**Syllabus** Meaning of corporate personality and distinction between incorporated and unincorporated associations. The nature, types and functions of companies. Historical development of the modern business company. The consequences of incorporation and its practical advantages and disadvantages. The corporate entity principle and exceptions to it. The *ultra vires* doctrine and the concept of capital. The company's organs and agents and the liability of the company for their acts. Formation and flotation of companies. The nature and classification of company securities. Shares and debentures. Publicity. Meetings and resolutions. Powers of the general meeting. Minority protection. The duties of

directors and of the controlling majority and the enforcement of these duties. Reconstructions and amalgamations. Liquidation (in outline only).

**Recommended reading** J. A. Hornby, *An Introduction to Company Law*; L. C. B. Gower, *The Principles of Modern Company Law*; Report of the Company Law Committee (Jenkins Report) (Cmd. 1749); J. Charlesworth, *Company Law*. R. R. Pennington, *Company Law*.

**FURTHER READING AND REFERENCE:** R. R. Formoy, *The Historical Foundations of Modern Company Law*; M. A. Weinberg, *Takeovers and Amalgamations*; C. A. Cooke, *Corporation Trust and Company*; R. R. Pennington, *The Principles of Company Law*; F. B. Palmer, *Company Law*; D. B. Buckley, *On the Companies Acts*; Earl of Halsbury, *Laws of England* (Simonds Ed.) Vol. 6; A. A. Berle and G. C. Means, *The Modern Corporation and Private Property*; L. Loss, *Securities Regulation*; Minutes of Evidence taken before the Company Law Committee (1961, H.M.S.O.), Vols. 1-20; Report of the Committee on Company Law Amendment (Cohen Report) (Cmd. 6659); K. W. Wedderburn, *Company Law Reform*; C. de Hoghton, *The Company* (P.E.P.); H. A. J. Ford, *Unincorporated Non-Profit Associations*; K. W. Wedderburn, *Rule in Foss v. Harbottle and Shareholders' Rights* (1957) C.L.J. 194, and (1958) C.L.J. 93 and (1965) 28 M.L.R. 347; L. Loss, *Protection of Investors* (1963) 80 S.A.L.J. 53 and 219, and *Fiduciary Concept and Corporate "Insiders" in U.S.A.* (1970) 33 M.L.R. 34; A. L. Diamond, *Protection of Depositors Act, 1963* (1963) 26 M.L.R. 680; H.A.J. Ford, *Unit Trusts* (1960) 23 M.L.R. 129; R. Instone, *Archaeology of the Companies Acts* (1962) 25 M.L.R. 406; K. W. Wedderburn, *Oppression of Minority* (1966) 29 M.L.R. 321; J. D. Campbell, *Contracts with Companies* (1959) 75 L.Q.R. 469; M. Pickering, *Shareholders' Rights and Company Control* (1965) 81 L.Q.R. 248; B. H. McPherson, *Winding Up on the "Just and Equitable" Ground* (1964) 27 M.L.R. 282; A. Boyle, *Minority Shareholders in the Nineteenth Century* (1965) 28 M.L.R. 317; K. W. Wedderburn,

*Corporate Personality and Social Policy: the Quasi-Corporation* (1965) 28 M.L.R. 62; *The Death of Ultra Vires* (1966) 29 M.L.R. 673; *Shareholders' Control of Directors' Powers* (1967) 30 M.L.R. 77; R. Baxt, *The Modern Company Auditor* (1970) 33 M.L.R. 413; L. S. Sealey, *Oppression of Shareholders* (1970) C.L.J. 215.

Students should consult the latest editions of these books.

**Note** The subject demands some previous knowledge of English Law, especially Contract, Agency and Trusts. Candidates will be supplied in the examination room with Queen's Printer copies of the Companies Act, 1948.

#### 456 Marine Insurance

Mr Pickering and Mr Dean.

**Syllabus** General principles and commercial practices. Insurable interest. Insurable value. Disclosure and representations. The policy. Double insurance. Warranties. The voyage. Assignment of the policy. The premium. Loss and abandonment. Partial losses (including salvage and general average and particular charges). Measure of indemnity. Rights of insurer on payment. Return of premium. Lloyd's form of policy. Institute clauses (in outline only). Reinsurance.

**Recommended reading** INTRODUCTORY: Lord Chorley and O. C. Giles, *Shipping Law*, Part III.

TEXTBOOKS: E. R. H. Ivamy (Ed.), *Chalmers' Marine Insurance Act, 1906*; Arnould, *The Law of Marine Insurance and Average* (Eds. Lord Chorley and C. T. Bailhache) (Vols. 9 and 10 of *British Shipping Laws*); E. R. H. Ivamy, *Marine Insurance*.

FOR REFERENCE: C. Wright and C. Fayle, *History of Lloyd's*; D. Gibb, *Lloyd's of London*; V. Dover, *Handbook of Marine Insurance Clauses*; *Journal of Maritime Law and Commerce*; *Shipowners* (Vol. 13 of *British Shipping Laws*).

Candidates will be supplied in the examination room with Queen's Printer copies of the Marine Insurance Act, 1906.

Students should consult the latest editions of these books.

#### 457 The Law of Personal Taxation Mr Lazar.

**Syllabus** The general structure and administration of Income Tax, Surtax and Capital Gains Tax and the rules as to residence and ordinary residence of individuals and trustees for tax purposes. The definition, ascertainment and computation of income for tax purposes (excluding Cases I and II of Schedule D and Case V in relation to business profits) and the deductions and allowances (excluding capital allowances and loss relief) which may be set against income. The rules for applying Income Tax and Surtax to individuals, the reliefs accorded to individuals (double tax relief in outline only) and the tax treatment of married women. The rules for applying Income Tax and Surtax to income from trusts and estates.

The provisions relating to Income Tax and Surtax in respect of pensions and pension contributions (in outline only). The definition, ascertainment and computation of chargeable gains and losses for Capital Gains Tax and the rules for applying Capital Gains Tax to individuals, estates and trusts.

**Recommended reading** will be given during the course.

#### 458 The Law of Business Taxation Mr Pickering.

**Syllabus** The general structure and administration of Income Tax, Surtax, Capital Gains Tax and Corporation Tax: the rules as to residence of companies and partnerships, for tax purposes. The definition, ascertainment and computation of income under Cases I and II of Schedule D and Case V in relation to business profits and the deductions and allowances (including capital allowances and loss relief) which may be set against such income. The definition, ascertainment and computation of other types of income (in outline only).

The definition, ascertainment and computation of capital gains (in outline) and the special provisions of capital

gains tax relating to business assets. The rules for applying Income Tax, Surtax and Capital Gains Tax to partnerships and sole traders and for applying Corporation Tax to companies. The provisions of Schedule F in relation to companies.

The tax treatment of close companies, groups of companies, reconstructions, amalgamations and the problems raised by legislation relating to dividend stripping and transactions in securities.

**Recommended reading** will be given during the course.

Candidates will be supplied in the examination room with copies of Butterworth's *Income Tax Handbook* (edition current on 1 January of the year in which the examination is held).

#### 459 The Law of Restitution

Professor Cornish and Mr Evans.

**Syllabus** The general principles of the law of restitution, including: theoretical basis; personal and proprietary claims.

Acquisition of benefit from plaintiff: mistake; compulsion; necessity; ineffective transactions. Acquisition of benefit from third party: attornment; subrogation and related rights; intervention without right; improperly paid beneficiaries etc.; voidable preferences and dispositions in fraud of creditors; imperfect gifts.

Acquisition of benefit through a wrongful act: waiver of tort; crime; breach of fiduciary relationship. Defences to restitutionary claims.

**Recommended reading** R. L. A. Goff and G. H. Jones, *The Law of Restitution*; S. J. Stoljar, *The Law of Quasi-Contracts*; American Law Institute, *Restatement of Restitution*; R. M. Jackson, *History of Quasi-Contract*; P. H. Winfield, *Province and Function of the Law of Tort*; P. H. Winfield, *Law of Quasi-Contract*; D. W. M. Waters, *The Constructive Trust*. Students should consult the latest editions of these books.

#### 460 Monopoly, Competition and the Law

Professor Yamey and others.

**Syllabus** The Common Law. The Restrictive Trade Practices Act, 1956,

Part I: registration, enforcement and avoidance; the criteria of the public interest; the justiciability of the issues before the Restrictive Practices Court; analysis of the main decisions of the Court.

The Monopolies Commission: single-firm monopolies; control of mergers; the problem of non-collusive oligopoly; an analysis of selected reports of the Commission.

**Recommended reading** J. Lever, *The Law of Restrictive Trade Practices and Resale Price Maintenance*; R. B. Stevens and B. S. Yamey, *The Restrictive Practices Court; The Judicial Process and Economic Policy*.

Candidates will be supplied at the examination with Queen's Printer copies of the *Monopolies and Restrictive Practices (Inquiry and Control) Act, 1948*, the *Restrictive Trade Practices Acts, 1956* and *1968*, and the *Monopolies and Mergers Act, 1965*.

Further references will be given at the beginning of the course, including references to legal developments in the United States of America and the Common Market.

#### 461 The Principles of Civil Litigation

Master Jacob and Mr Zander.

**Syllabus** The general principles and practice of civil litigation, including: the organization, jurisdiction and functions of the various Courts and Tribunals and of the legal profession. The remedies afforded by civil proceedings (both interlocutory and final) including enforcement of judgments and orders.

The procedures adopted in the High Court and in the County Court in ascertaining and dealing with disputed issues, in preparation for trial, in the trial and post-trial assessments of damages or other consequential relief; the system and right of appeal and the procedure on appeal; the extent to which these procedures enable the courts to arrive at correct and reasonably speedy decisions both on facts and substantive law (knowledge of the law of evidence

will not be required, except so far as it affects general procedure).

The organization and function of Tribunals (in outline only) and the general procedures adopted by Tribunals and arbitrators; comparisons will be made between these procedures and those adopted by the Courts.

The social and economic effects and value of the present system of civil litigation; including some comparison with one or more selected foreign systems.

**Recommended reading** W. B. Odgers, *Pleading and Practice*; R. M. Jackson, *The Machinery of Justice in England*; B. Cardozo, *The Nature of the Judicial Process*; P. A. Devlin, *Trial by Jury*; C. P. Harvey, *The Advocate's Devil*; B. Abel-Smith and R. S. Stevens, *In Search of Justice*; Final Report of Committee on Supreme Court Practice (Cmd. 8878, 1953); Report of the Royal Commission on Assizes and Quarter Sessions (Cmd. 4153, 1969); Report of the Committee on Personal Injuries Litigation (Cmd. 369, 1968); Report of the Committee on Enforcement of Judgment Debts (Cmd. 3909, 1969).

**FOR REFERENCE:** The Annual Practice; The County Court Practice; Halsbury, *Laws of England*, Vol. 1, *Actions*, Vol. 9, *County Courts and Courts*, Vol. 11, *Crown Proceedings*, Vol. 12, *Discovery and Divorce*, Vol. 16, *Execution*, Vol. 22, *Judgments and Orders*, Vol. 23, *Juries*, Vol. 30, *Pleading and Practice and Procedure*; E. Bullen and S. M. Leake, *Precedents of Pleading*; J. Chitty, *Queen's Bench Forms; Encyclopedia of Court Forms*; W. S. Holdsworth, *History of English Law*, Vol. I and Vol. IX, chap 7; R. Sutton, *Personal Actions at Common Law*; H. C. Gutteridge, *Comparative Law*; R. David and H. P. de Vries, *French Legal System*; A. T. Von Mehren, *The Civil Law System; Legal Aid Handbook* (H.M.S.O.); *Civil Judicial Statistics* (H.M.S.O., annual); *Manual of German Law*, Vol. I (H.M.S.O.); Report of Royal Commission on Despatch of Business at Common Law (Cmd. 5065); 1st, 2nd and 3rd Reports of Committee on County Court Procedure (Cmd. 7468 and 7668); 1st, 2nd and 3rd Reports of Committees on Supreme Court Practice (Cmd. 7764, 8176 and 8617); Report of

Committee on Administrative Tribunals and Enquiries (Cmd. 218); Report of Law Society on Operation of Legal Aid and Advice Act (1949, annual); Articles on Practice and Procedure in *The Law Quarterly Review*, *The Modern Law Review* and other periodicals.

#### 462 Comparative Criminal Law and Procedure

Mr Hall Williams and Dr Leigh.

**Syllabus** A consideration of the main principles of the English criminal law, the problems arising in its codification, and the statement of the principles of responsibility and the general defences, together with the position with regard to strict liability offences. These will be examined in comparison with the following penal codes: The Canadian Code of 1954. The Indian Penal Code of 1860. The Norwegian Penal Code of 1902 as amended in 1961. The Penal Code of Nigeria. The Criminal Codes of Nigeria. The Ghana Criminal Code, together with the Penal Code of Kenya or the Penal Codes of any one of the following countries: Uganda, Tanzania, Malawi, Zambia, the Gambia, Botswana. The English Draft Criminal Code of 1879. The American Law Institute's Draft Model Penal Code.

**SPECIFIC CRIMES:** A comparative examination of the following specific crimes: homicide, theft, and kindred offences, offences against public morality, commercial trading frauds, offences against the state and the administration of justice.

**PROCEDURE:** A comparative examination of the following topics: Police powers of investigation and interrogation. The discretion to prosecute. Relation of prosecutor to the defence. The position of the accused as a witness. Organization of the criminal courts. Criminal appeals, new trial and post-conviction remedies. The sentencing process.

**Recommended reading** will be given during the course.

#### 463 Comparative Conflict of Laws

Professor Graveson (K.C.) and Mr Lazar.

**Syllabus** I. The history of the conflict

of laws: classification, renvoi; public policy and the limits of application of foreign law; domicile; the unification of private international law.

II. For examination in 1972 and 1973: Family law. Marriage, matrimonial causes, legitimacy, legitimation, adoption, guardianship, matrimonial property.

**Recommended reading** I. English Conflict of Laws. TEXTBOOKS: G. C. Cheshire, *Private International Law*; M. Wolff, *Private International Law*; R. H. Graveson, *Conflict of Laws*; R. H. Graveson, *Cases on the Conflict of Laws*. WORKS OF REFERENCE: A. V. Dicey, *Conflict of Laws*; J. D. Falconbridge, *Essays in the Conflict of Laws*.

II. Comparative Law. GENERAL: E. Rabel, *Conflict of Laws*; A. K. Kuhn, *Comparative Commentaries on the Conflict of Laws*; R. H. Graveson, "Comparative Aspects of the General Principles of Private International Law" (*Recueil des Cours de l'Académie de Droit International à la Haye*, 1963).

CANADA: J. D. Falconbridge, *Essays in the Conflict of Laws*; W. S. Johnson, *The Conflict of Laws with special reference to the Law of the Province of Quebec*.

UNITED STATES: American Law Institute, *Restatement of the Law of Conflict of Laws* and *ibid.*, *Second Draft*; R. H. Graveson, "The Comparative Evolution of Principles of the Conflict of Laws in England and the U.S.A." (*Recueil des Cours de l'Académie de Droit International à la Haye*, 1960); H. F. Goodrich, *Conflict of Laws*; G. W. Stumberg, *Conflict of Laws*; E. E. Cheatham and others, *Cases and Materials on Conflict of Laws*; W. W. Cook, *The Logical and Legal Bases of the Conflict of Laws*; A. A. Ehrenzweig, *Conflict of Laws*.

CONTINENTAL COUNTRIES: H. Batiñfol, *Traité Élémentaire de Droit International Privé*; P. Arminjon, *Précis de Droit International Privé*; P. Lerebours-Pigeonnière, *Précis de Droit International Privé*; A. F. Schnitzer, *Handbuch des Internationalen Privatrechts*; W. Niederer, *Einführung in die allgemeinen Lehren des Internationalen Privatrechts*; M. Wolff, *Das Internationale Privatrecht Deutschlands*; L. Raape, *Internationale Privatrecht*.

Students should consult the latest editions of these books.

A reading list in respect of each of the special topics will be available on request.

**Note** Candidates are advised to read relevant articles in *The British Yearbook of International Law*, *The International and Comparative Law Quarterly*, the *Transactions of the Grotius Society*, and other leading English and American Law reviews, as well as in Clunet's *Journal de Droit International Privé* (published in French and English) and *Revue Critique de Droit International Privé*. For surveys of the leading Continental systems the *Recueil des Cours de l'Académie de Droit International à la Haye* should be consulted. Attention is further drawn to the Bilateral Studies in Private International Law (Oceana Publications, New York), and to the reports on the Hague Conference of Private International Law.

#### 464 Soviet Law

Dr Lapenna and Dr Butler (U.C.)

**Note** Candidates taking LL.M. subject 25 *Soviet Law* may not take Section (B)3 *Soviet Law* under LL.M. subject 24 *Comparative European Law*.

Candidates are required to offer A and one of B, C or D. It may not be possible to provide courses for each option every year.

**Syllabus** A. *Introduction* Resource materials on Soviet law. Legal terminology. Heritage of the Tsarist legal system. Fundamental Marxist concepts of state and law (also with reference to public international law). The sources of Soviet law, and its branches. Concepts of ownership and property in Marxist theory and Soviet legal practice. Legal aspects of the structure and administration of the Soviet economy. Principles of socialist legality. Administration of justice (court organization). The legal profession (jurists, judges, procuracy, advocates, jurisconsults, notaries). Comrades' courts and other social organizations. State arbitrazh.

**B. Civil Law and Domestic Relations** The law of persons, property, contract, delict, unjust enrichment and succession on death. Marriage, divorce, nullity, parent and child, guardian and ward. Adoption. Basic features of civil procedure.

**Note** Candidates taking option B may not take LL.M. subject 26 *Comparative Family Law*.

#### C. Criminal Law

Sources and system. Territorial and personal scope of criminal law. Material and formal definition of crime. Constituent elements of crime. Preparation and attempt. Participation. Circumstances excluding criminal offence. Liability and exclusion of liability. Punishments and compulsory measures. Principal criminal offences. Criminology and penal policy. Basic features of criminal procedure: pre-trial proceedings, trial, appeals and supervision, special proceedings.

#### Section D, Constitutional, Administrative, and Economic Law

Soviet concepts of sovereignty and federalism. Role of the constitution in the U.S.S.R. Organization of the Soviet state. Protection of civil liberties under Soviet law. The principle of dual subordination. The legal status and role of the Communist Party of the Soviet Union. Administrative penalties. Administrative procedures for the redress of grievances. The concept of "economic" law. Legal aspects of economic planning and administration (structure of the Soviet economy; relationship between plan and law; contractual relations among Soviet enterprises and institutions; resolution of economic disputes; administration and regulation of Soviet foreign trade).

**Note** Although a knowledge of Russian is not required, students taking this course will be required to familiarise themselves with Russian technical legal terms.

**Recommended reading** W. E. Butler (Ed.), *Writings on Soviet Law and Soviet International Law*; P. S. Romashkin (Ed.), *Literature on Soviet Law: Bibliographic Index*.

**SECTION A** H. Babb (trans.), *Soviet Legal Philosophy*; H. J. Berman, *Justice in the U.S.S.R.*; K. Grzybowski, *Soviet Legal Institutions*; J. N. Hazard, *Law and Social Change in the U.S.S.R.*; J. N. Hazard, *Settling Disputes in Soviet Society*; H. Kelsen, *The Communist Theory of Law*; S. Kucherov, *The Organs of Soviet Administration of Justice*; M. Jaworskyj, *Soviet Political Thought: An Anthology*; E. Johnson, *An Introduction to the Soviet Legal System*; I. Lapenna, *State and Law: Soviet and Yugoslav Theory*; G. Morgan, *Soviet Administrative Legality*.

**SECTION B** G. Eorsi, *Fundamental Problems of Socialist Civil Law*; V. Gsovski, *Soviet Civil Law*; A. K. R. Kiralfy (trans.), *The Civil Code and The Code of Civil Procedure of the R.S.F.S.R.*, 1964.

**SECTION C** H. J. Berman and J. W. Spindler (trans.), *Soviet Criminal Law and Procedure: The R.S.F.S.R. Codes*; G. Feifer, *Justice in Moscow*; F. J. Feldbrugge, *Soviet Criminal Law: General Part*; I. Lapenna, *Soviet Penal Policy*.

**SECTION D** H. J. Berman and J. B. Quigley (Ed.), *Basic Laws on the Structure of the Soviet State*; O. Bihari, *Socialist Representative Institutions*; V. M. Chkhikvadse (Ed.), *The Soviet State and Law*; A. Denisov and M. Kirichenko, *Soviet State Law*; J. N. Hazard, *The Soviet System of Government*; I. Kovacs, *New Elements in the Evolution of Socialist Constitutions*.

**CASEBOOKS** J. N. Hazard, I. Shapiro, and P. Maggs (Eds), *The Soviet Legal System*; Z. Zile, *Ideas and Forces in Soviet Legal History*.

Students should consult the latest editions of these books.

**JOURNALS AND SERIALS** *Law in Eastern Europe* (Z. Szirmai, Ed.); *Osteuropa Recht*; *Soviet Law and Government*; *Soviet Statutes and Decisions* (W. E. Butler, Ed.). In addition to these periodicals devoted exclusively to Soviet and Eastern European law, articles frequently appear in *The International and Comparative Law Quarterly* and *Soviet Studies*.

**Note** Further reading in journals, case materials, and other materials translated especially for the course will be assigned from time to time in supplementation



of the books mentioned under Sections B, C and D.

#### 465 Comparative Family Law

Dr Stone and Mr Dicks (S.O.A.S.).

Note When the prescribed option in Comparative European Law is "Persons and Family Law"

candidates will not be permitted to offer both Comparative European Law and Comparative Family Law. Candidates taking option B "Civil Law and Domestic Relations" in LL.M. subject 25 *Soviet Law* may not take Comparative Family Law.

Admission by permission of the teachers in charge.

**Syllabus** A comparison between the judicial concepts and the substantive law regarding: (a) family property rights and maintenance obligations (including any law of succession to property on death) and (b) infants, minors or children; and their relation to other areas of family law, in representative common law and civil law or community property jurisdictions, and other specified legal systems. Until further notice:

(i) The common law jurisdictions studied will be those of England and Wales, and the States of New York and Pennsylvania.

(ii) The civil law and community property jurisdictions studied will be Western Germany and the North American States of California and Texas.

(iii) The other specified legal systems studied will be the law of the Overseas Chinese communities in Singapore and Hong Kong.

**Recommended reading** Further reading lists will be issued at the beginning of the course.

1. Common law jurisdictions and general comparative works:  
(a) BOOKS: P. Bromley, *Family Law*; W. G. Friedmann, *Matrimonial Property Law* (1955); British Institute of International and Comparative Law, *Parental Custody and Matrimonial Maintenance* (1966); Foote, Levy and Sander, *Cases and Materials on Family*

*Law*, esp. chaps. 1, 3, 4, 10 and 11;

M. Hubbell, *Law Directory*, Vol. 4.

(b) JOURNALS AND ARTICLES: *Journal of Family Law* (University of Louisville, Kentucky).

(c) LEGISLATION: New York Estates Powers and Trusts Law; Domestic Relations Law 1966, and Family Court Act.

2. Civil law jurisdictions:

(a) BOOKS: A. N. Yiannopoulos (Ed.), *Civil Law in the Modern World*, esp. M. Rheinstein, "The Law of Family and Succession"; E. J. Cohn, *Manual of German Law* (2nd edn., 1967), esp. the chap. on Family Law; Charvat and Daggett, *Community Property* or W. E. Burby, *Cases on Community Property*.

(b) LEGISLATION: Relevant parts of the Civil, Financial, Probate and Welfare and Institutions Codes of California. Revised Family Code of the State of Texas; German Civil Code, 4th book, arts. 1297-1921. (English translations will be provided.)

3. The Overseas Chinese Communities:

(a) BOOKS: M. Freedman, *Chinese Family and Marriage in Singapore* (H.M.S.O. 1957); *Chinese Law and Government in Hong Kong* (Government Report, 1953); *Chinese Marriages in Hong Kong* (McDouall-Heenan Report) (Government Report, 1967); G. Jamieson, *Chinese Family and Commercial Law*, 1921, reprinted 1970; V. Y. Chiu, *Marriage Laws and Customs of China*, 1966; K. Roberts-Wray, *Commonwealth and Colonial Law*, 1966.

(b) JOURNALS AND ARTICLES: M. Freedman, "Colonial Law and Chinese Society" (80 *J. Royal Anthropological Institute*, 1950); M. Freedman, "Chinese Family Law in Singapore" in J. N. D. Anderson (Ed.), *Family Law in Asia and Africa* (1968); D. C. Buxbaum, "Chinese Family Law in a Common Law Setting: A note on the Institutional Environment and the Substantive Family Law of the Chinese in Singapore and Malaysia" (*J. Asian Studies*, Vol. XXXV, No. 4, August 1966); H. McAleavy, "Chinese Law in Hong Kong: the Choice of Sources" in J. N. D. Anderson (Ed.), *Changing Law in Developing Countries* (1963); M. B. Hooker, "The Relationship between Chinese Law and Common Law in

Malaysia, Singapore and Hong Kong" *J. Asian Studies*, XXVIII, No. 4, August 1969); E. S. Haydon, "The Choice of Chinese Customary Law in Hong Kong" (1962, 11 *I.C.L.Q.* 231); D. E. Greenfield, "Marriage by Chinese Law and Custom in Hong Kong" (1958, 7 *I.C.L.Q.* 437).  
(c) LEGISLATION: The Women's Charter, 1961, Singapore.

#### 466 Law of International Institutions

Professor D. H. N. Johnson and Dr Nelson.

**Syllabus** (A) *General Aspects of International Law*: Definition; Development; Sources; Functions and Types of International Institutions; General Principles of International Institutional Law; Methods.

(B) *Non-Comprehensive International Institutions*:

1. Judicial International Institutions, with special reference to Permanent Court of Arbitration and the International Court of Justice: Functions; Organization; Jurisdiction; Procedure; Awards; Judgments; Advisory Opinions; Execution.

2. Administrative International Institutions, with special reference to pre-1914 international unions and international river organizations: Functions; Membership; Organization; Scope of Jurisdiction; Powers.

3. Quasi-Legislative International Institutions, with special reference to Conferences and the relevant aspects of the International Labour Organization: Functions; Membership; Organization; Scope of Jurisdiction; Powers.

(C) *Comprehensive International Institutions*, with special reference to the League of Nations and United Nations: Functions; Membership; Organization; Scope of Jurisdiction; Procedure; Powers.

(D) *Hybrid International Institutions*:

1. Universalist Single-purpose Institutions, with special reference to the Intergovernmental Organizations related to the United Nations.

2. Regional Institutions. Multi-purpose Institutions, e.g. Organization of American States; Council of Europe. Single-purpose Institutions, e.g. the International Commission for the

Northwest Atlantic Fisheries or the Commission for Technical Co-operation in Africa (South of the Sahara); Supranational Institutions (the European Coal and Steel Community, the European Economic Community and Euratom).  
3. Sectional International Institutions, with special reference to the North Atlantic Treaty and Warsaw Treaty Organizations: Functions; Membership; Organization; Scope of Jurisdiction; Powers.

(E) *Non-Governmental International Organizations*: Arrangements for Consultation with the United Nations under Article 71 of the Charter.

(F) *Legal Aspects of the Co-ordination of International Institutions*.

Note Candidates taking this subject will not be expected to have a detailed knowledge of specialised agencies or other international institutions operating in the field of economics, civil aviation or maritime matters.

(G) *Constitutional Conditions of World Order*.

**Recommended reading** TEXTBOOKS:

L. Oppenheim, *International Law*, Vol. I (with special reference to Part I, chap. IV: The Legal Organization of the International Community), and Vol. II (with special reference to Part I: Settlement of State Differences); G. Schwarzenberger, *International Law*, Vol. I; *International Law as Applied by International Courts and Tribunals* (with special reference to chaps. 23-30: Treaties and Unilateral Acts) and *Manual of International Law*, chaps. 9-12; D. W. Bowett, *The Law of International Institutions*.

FURTHER READING: M. M. Ball, *NATO and the European Union Movement*; L. M. Goodrich and E. Hambro, *The Charter of the United Nations*; S. S. Goodspeed, *The Nature and Function of International Organisation*; C. W. Jenks, *The Proper Law of International Organisations*; H. Kelsen, *The Law of the United Nations*; A. H. Robertson, *European Institutions*; S. Rosenne, *The Law and Practice of the International Court*; G. Schwarzenberger, *Power Politics: A Study of World Society* (with special reference to chaps. 15 and 25-30); J. L. Simpson and H. Fox, *International*

*Arbitration*; L. B. Sohn, *Cases on United Nations Law and Basic Documents of the United Nations*; B. Boutros-Ghali, *The Addis Ababa Charter*; D. W. Bowett, *United Nations Forces*; G. Modelski et al., SEATO; R. Higgins, *The Development of International Law through the Political Organs of the U.N.*; Ann Van Wynen Thomas and A. J. Thomas, Jr., *The Organisation of American States*; United Nations, *Repertory of Practice of United Nations Organs and Supplements*; *Repertoire of Practice of The Security Council, 1946-1951, and Supplements*. Students should consult the latest editions of these books.

PERIODICALS: *The American Journal of International Law*; *The British Year Book of International Law*; United Nations, *Monthly Chronicle*; *The International and Comparative Law Quarterly*; *International Organisation*; *Year Book of the International Court of Justice*; *Year Book of the United Nations*; *The Year Book of World Affairs*.

#### 467 Law of European Institutions

Dr Valentine.

Also for M.Sc. *European Institutions*, XI 2 (iii).

**Syllabus** The history of the movement towards the European communities; political and economic forces; the Zollverein; coal and steel monopolies; the European Defence Community; the European Political Community (all in outline only).

The European Communities: (i) Constitutional structure: structure and functioning of: the Court of Justice; the European Parliament; the Councils of Ministers; the High Authority; the Consultative Committee; the Commissions; the European Investment Bank; the Social Fund; the Arbitration Committee.

(ii) Implementation of the Treaties: the creation of a common market; commercial and monetary policies; abolition of internal tariffs and quotas; the common external tariff; monopolies and restrictive trade practices; pricing and subsidy schemes; transport and labour policies. The relationship between community

law and municipal law; incorporation; harmonisation of legislation.

The Council of Europe: structure and functioning of: the Committee of Ministers; the Consultative Assembly; the Joint Committee. Conventions adopted, with special reference to the European Convention on Human Rights; the Commission and Court of Human Rights; scope and interpretation of the Convention.

Comparison with other European Economic Organizations: (i) European Free Trade Association; Council of Association; arbitration procedures; aims and achievements. (ii) Comecon: the Council; the Assembly; the Executive Committee; the Secretariat; aims and achievements.

**Recommended reading** R. Mayne, *The Community of Europe*; A. H. Robertson, *The Council of Europe* (2nd edn.); A. H. Robertson, *European Institutions*.

**FURTHER READING**: G. Bebr, *Judicial Control of the European Communities*; Campbell, *Law of the European Communities*, 2 Vols with supplements; J. S. Deniau, *The Common Market*; F. Honig and others, *Cartel Law of the European Economic Community*; G. W. Keeton and G. Schwarzenberger (Eds.), *English Law and the Common Market*; R. Pinto, *Les Organisations Européennes*; R. Pryce, *Political Future of the European Communities*; A. H. Robertson, *The Law of International Institutions in Europe*; D. G. Valentine, *The Court of Justice of the European Communities* (2 Vols.). Reference should also be made to: *The Year Book of the European Convention on Human Rights*; *Common Market Law Reports*; *International Law Reports*; *Common Market Law Review*; F. L. Peyor, "Forms of Economic Co-operation in the European Communist Block" (*Soviet Studies*, Oct. 1959); Institute of Advanced Legal Studies, *Index to Foreign Legal Periodicals*; articles in B.Y.I.L. and I.C.L.Q.

English translations of the three European Community Treaties, the Rules of Procedure of the Communities' Court, E.E.C. Regulations, the E.F.T.A. Treaty and the European Convention on Human Rights are obtainable from Her Majesty's Stationery Office.

#### 468 International Law of the Sea

Professor D. H. N. Johnson.

**Syllabus I. Introduction.** History; sources.

II. *Delimitation of the Relevant Areas.* Internal waters; the territorial sea and the contiguous zone; bays; harbour works and roadsteads; islands and low-tide elevations; international straits and waterways; the high seas and the sea-bed; the continental shelf.

III. *The Principle of the Freedom of the Seas.* Ordinary and extraordinary rights of jurisdiction in time of peace, with special reference to piracy and the slave trade; coercive measures short of war; limitations and exceptions.

IV. *Users of the High Seas and the Sea-Bed.* Navigation; fisheries; exploitation of other natural resources; scientific research and experiments; disposal of radioactive waste; naval exercises; pipe lines; cables; mechanical installations; other users.

V. *Jurisdiction over Maritime Areas Adjacent to the Coast.* The regime of ports and internal waters; the regime of the territorial sea and the contiguous zone; the regime of the continental shelf; the right of hot pursuit; ships in distress.

VI. *Access to the Sea for States without a Sea Coast.* Transit between the sea and a state without a sea coast; use of ports and the territorial sea of neighbouring states; right to sail ships on the high seas.

VII. *The Legal Regime of the Ship.* Nationality of ships; flags of convenience; warships and other government-owned ships on non-commercial service; government-owned merchant ships; privately-owned merchant ships; collision, wreck and salvage; stateless ships; pirate ships.

VIII. *The Legal Regime of Crew, Passengers and Cargo.* Jurisdiction; the master; master and crew; conditions of labour; consular jurisdiction over seamen abroad; functional protection of seamen.

IX. *Rules for Securing Safety at Sea.* Rules for the prevention of collisions at sea; assistance at sea; load line conventions; pollution.

X. *Maritime Law in Time of War.* Prize law and prize courts; rules of maritime warfare; the law of maritime neutrality.

XI. *International Maritime Institutions.*

Types; functions; organization; jurisdiction.

**Recommended reading** TEXTBOOKS: C. J. Colombos, *International Law of the Sea*; G. Gidel, *Le Droit International Public de la Mer*; M. S. McDougal and W. T. Burke, *The Public Order of the Oceans*; G. Schwarzenberger, *The Fundamental Principles of International Law*, chap. VIII; *Recueil*, Hague Academy, Vol. 87; G. Schwarzenberger, *International Law: International Law as Applied by International Courts and Tribunals*, Vol. I (with special reference to chaps. 13, 19 and 20); H. A. Smith, *The Law and Custom of the Sea*.

**FURTHER READING**: R. R. Baxter, *The Law of International Waterways*; B. A. Boczek, *Flags of Convenience*; British Institute of International and Comparative Law, *Developments in the Law of the Sea, 1958-1964* (Special Publication No. 6, 1965); Lord Chorley and O. C. Giles, *Shipping Law* (with special reference to Part I: The Ship); C. J. Colombos, *The Law of Prize*; T. W. Fulton, *The Sovereignty of the Sea*; Harvard Law School, Research in International Law, *The Law of Territorial Waters* (23 A.J.I.L., 1929, Special Supplement); *Piracy* (26 A.J.I.L., 1932, Special Supplement); International Law Commission of the United Nations, *Relevant Summary Records, Documents and Yearbooks*; W. R. Kennedy, *The Law of Civil Salvage*; R. G. Marsden, *Collisions at Sea*; M. W. Mouton, *The Continental Shelf* (*Recueil*, Hague Academy, Vol. 85); *Report of the First United Nations Conference on the Law of the Sea* (Cmnd. 584); N. Singh, *International Conventions of Merchant Shipping*; M. Sörensen, *Law of the Sea*; M. P. Strohl, *The International Law of Bays; Temperley's Merchant Shipping Acts*. PERIODICALS: *The American Journal of International Law*; *The British Year Book of International Law*; *The International and Comparative Law Quarterly*; *The Year Book of World Affairs*.

#### 469 International Economic Law

Mr Lazar.

**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 heterogeneous 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). Supranational institutions (e.g. the European Communities).

**Recommended reading** will be given at the beginning of the course.

#### 470 Industrial and Intellectual Property

Professor Cornish and Mr R. Jacob.

**Syllabus Patents** History of patents for inventions. Present system: subject matter; right to apply; employees' inventions; form of application; Patent Office objections and opposition proceedings; grounds of invalidity; infringement; assignments, licences, Crown use; patents of addition; extensions. Comparison with other patents systems. Place of patent protection in the economy.

Trade secrets and the protection of "know-how"; scope of present law; relation to patent system.

**Designs** Present system: subject matter; registration; invalidity; infringement (in outline). Relation to copyright.

**Trade Marks and Names** Protection at common law: passing off, slander of title, slander of goods. Trade mark registration: its relation to common law protection; right to apply for registration; purpose of registration; distinctiveness; deception and confusion; division of the register, defensive registrations; certification trade marks; infringement; assignment, registered user, licensing; non-user and use by competitor. Protection of marks and names under the Trade Descriptions Act.

**Copyright** History of copyright protection. Nature of copyright. Works in which copyright exists; periods of copyright, ownership, assignment, licensing; infringement in relation to the different classes of "works". Relation to breach of confidence and the protection of "know-how". Other systems of copyright.

**Recommended reading** INTRODUCTORY: T. A. Blanco White and R. Jacob, *Patents, Trade Marks, Copyright and Industrial Designs*.

**TEXTBOOKS:** T. A. Blanco White, *Patents for Inventions and the Registration of Industrial Designs*; G. Aldous, D. Falconer and W. Aldous, *Terrell on Patents*; A. Turner, *The Law of Trade Secrets*; A. D. Russell-Clarke, *Copyright in Industrial Designs*; T. A. Blanco White, *Kerly on Trade Marks*, F. E. and E. P. Skone James, *Copinger and Skone James on Copyright*; P. F. Carter-Ruck and E. P. Skone James, *Copyright, Modern Law and Practice*.

(Candidates will be supplied in the examination room with Queen's Printers copies of the Patents Act 1949, Trade Marks Act 1938, Copyright Act 1956 and Design Copyright Act 1968.) Students should consult the latest edition of these books.

#### 471 Criminology

Mr Hall Williams.

**Syllabus I. Introduction.** The legal and the criminological concept of crime. Relation between criminology and criminal law. Adult criminal courts, juvenile courts and some specific problems of criminal procedure.

II. **Criminology.** Methods of study. Physical, psychological and sociological factors in criminal behaviour. Legal principles relating to insanity, mental deficiency and other forms of mental abnormality. Juvenile and female delinquency. Prostitution.

III. **Penology.** Philosophical, psychological and historical aspects of punishment. The present penal system. Prison, Borstals. Institutions for young offenders. Probation. Problems of prevention.

**Recommended reading** TEXTBOOKS:

H. Jones, *Crime and the Penal System*; E. H. Sutherland, *Principles of Criminology* (revised by D. R. Cressey); N. Walker, *Crime and Punishment in Britain*; H. Mannheim, *Comparative Criminology*; J. D. McClean and J. C. Wood, *Criminal Justice and the Treatment of Offenders*; J. E. Hall Williams, *The English Penal System in Transition*; D. J. West, *The Young Offender*; R. Hood and R. Sparks, *Key Issues in Criminology*.

**FURTHER READING:** L. W. Fox, *The English Prison and Borstal Systems*; M. Grünhut, *Penal Reform*; H. Mann-

heim, *Group Problems in Crime and Punishment*; *The Dilemma of Penal Reform*; *Criminal Justice and Social Reconstruction*; S. and E. T. Glueck, *Unravelling Juvenile Delinquency*; *Physique and Delinquency*; K. Friedlander, *Psycho-analytical Approach to Juvenile Delinquency*; J. Bowlby, *Maternal Care and Mental Health*; B. Wootton, *Social Science and Social Pathology*; *Crime and the Criminal Law*; A. K. Cohen, *Delinquent Boys: The Culture of the Gang*; A. K. Cohen and others (Eds.), *The Sutherland Papers*; R. A. Cloward and L. E. Ohlin, *Delinquency and Opportunity*; D. M. Downes, *The Delinquent Solution*; T. P. Morris, *The Criminal Area*; J. B. Mays, *Growing up in the City*; *Crime and Social Structure*; *Crime and Its Treatment*; S. Glueck, *The Problem of Delinquency*; G. Rose, *The Struggle for Penal Reform*; T. E. James, *Child Law*; G. M. Sykes, *Society of Captives*; M. E. Wolfgang, L. Savitz, N. Johnston, *The Sociology of Crime and Delinquency*; *The Sociology of Punishment and Correction*; G. Trasler, *The Explanation of Criminality*; H. J. Eysenck, *Crime and Personality*; W. H. Hammond and E. Chayen, *Persistent Criminals*; The Cambridge Studies in Criminology, The Library of Criminology, Delinquency and Deviant Social Behaviour. Students should consult the latest editions of these books.

*The following official sources should be consulted:*

Annual Reports of the Prison Department; Criminal Statistics (England and Wales) annually; Reports of the Home Office, Probation and After-Care and Children's Departments (occasional).

U.K. Home Office, *People in Prison*; *The Sentence of the Court*; Home Office Research Unit publications (occasional); Reports of the Home Office Advisory Council on the Penal System (occasional); Reports of relevant Royal Commissions and Departmental Committees.

#### 471(a) Criminology Class

Mr Hall Williams. Michaelmas and Lent Terms.

For LL.M.: *Criminology*. Admission by permission of Mr Hall Williams.

**472 Estate Duty Class**

Mr Bretten. Michaelmas Term.

For LL.M.: *Estate Planning*. Admission restricted to students of the School taking this subject.

**473 Law of Management and Labour Relations**

Professor Wedderburn. Sessional.

**Syllabus** This course is concerned primarily with English law as it affects the making of decisions at the place of work and the context of labour relations in which such decisions are made.

Comparisons with other systems will be made, in general terms, wherever possible.

I. Structure of corporate enterprise. Control of management; and representation of various interests.

Chief executives, directors and governing board. One-tier boards of directors in British law. Other managers. Two-tier arrangements in practice under such laws; and obligatory two-tier systems. Role of shareholders and employees; election or appointment of managers; and the duties of management to act in the interests of the enterprise (cf. Germany, Yugoslavia, U.S.A.).

"Participation" of employees by profit-sharing or other methods (cf. France). Current legal and other problems in Britain for "participation".

II. Management's plans. Legal requirements for disclosure of information to shareholders and public (Companies Act, 1967); to Government; to employees and trades unions (Industrial Relations Bill, 1971) (cf. U.S.A.).

III. Management and labour relations. Recognition of trades unions: the legal duty to bargain. The role of state agencies and collective bargaining structure e.g. the Commission on Industrial Relations (cf. U.S.A.). Legal requirements for "participation" by works councils etc. (cf. Germany).

IV. Collective bargaining. Effect of the law upon collective agreements, and upon objectives of management and trades unions in bargaining. Legal enforceability of agreements; legal "extension" of agreements; legal machinery for arbitration and inquiry. Grievance

procedures and the "peace obligation" for employer, trade union and worker. The place of "Labour Courts" (cf. U.S.A., Canada, Sweden, France, Germany). V. Legal problems of managerial functions, industrial discipline and industrial conflict. Collective negotiation and the standard obligations of the employment relationship. Impact of law and practice affecting dismissal or discipline of workers. Law of industrial conflict affecting power of the parties in decision-making in the enterprise. State intervention in industrial conflict. Control of jobs and entry to the trade: effect of the law, for example, on the closed shop, rules of trades unions and employers' associations. Other legal control of decisions e.g. racial or other discrimination (cf. France, Germany, U.S.A.). VI. The problems already described in the special context of the "multi-national" or international corporation.

**Recommended reading** L.C.B. Gower, *The Principles of Modern Company Law* (chaps. 1, 7, 20, 23, 25); C. de Hoghton, *The Company: Law Structure and Reform in Eleven Countries*; K. W. Wedderburn, *The Worker and the Law; Report of the Royal Commission on Trade Unions and Employers' Associations, 1968* (Cmd. 3623); *Industrial Relations Bill 1971*.

**FURTHER READING OR REFERENCE:**

G. Goyder, *The Responsible Company*; C. Grunfeld, *Modern Trade Union Law*; R. W. Rideout, "The Industrial Relations Bill" (*Federation News*, Vol. 21 page 6, 1971); A. Berle and G. Means, *The Modern Corporation and Private Property*; M. Fogarty, *Company and Corporation—One Law?*; D. F. Vagts, "Reforming the Modern Corporation—Perspectives from the German" (*Harvard Law Review*, Vol. 80 page 23, 1966); T. Hadden, *Control of Company Fraud*; A. Frame, "Workers' Participation in Company Management" (*Victoria University of Wellington Law Review*, Vol. 5 page 417, 1970); K. W. Wedderburn and P. L. Davies, *Employment Grievances and Disputes Procedures in Britain*; B. Aaron (Ed.), *Disputes Settlement Procedures in Five West European Countries*; B. L. Adell, *Legal Status of Collective Agreements in England, U.S.A. and Canada*; G. de N.

Clark, *Remedies for Unjust Dismissal*; H. A. Clegg, *System of Industrial Relations in Great Britain*; "International Symposium on Labour Law" (*British Journal of Industrial Relations*, Vol. 8 pages 307-368, 1970); *Research Papers for "Donovan" Royal Commission*, Nos. 1, 2(i), 2(ii), 5(i), 5(ii), 6; O. Kahn-Freund, *Labour Law, Old Traditions and New Developments*; B. Hepple, *Race, Jobs and the Law in Britain*; K. W. Wedderburn, *Company Law Reform*; H. Rose, *Disclosure in Company Accounts*; K. Coates and A. Topham (Eds.), *Industrial Democracy in Britain*; "Symposium on Workers' Participation in Management: International Comparisons" (*Industrial Relations*, Vol. 9 pages 117-214, 1970); "Reports on Workers' Participation in Management: France, Germany and U.S.A." (*Bulletin of the International Institute of Labour Studies*, Vol. 6 pages 54-186, 1969) (British report forthcoming); "Participation" (*Supplément de Liaisons Sociales*, Septembre 1968); J. C. Harper, *Profit Sharing in Practice and Law*; P. Selznick, *Law, Society and Industrial Justice*; J. T. Dunlop, *Industrial Relations Systems*; W. Cary, *Cases and Materials on Corporations*; B. Aaron (Ed.), *Labor Courts and Grievance Settlement in Western Europe* (forthcoming); A. Kamin (Ed.), *Western European Labor and the American Corporations*; D. F. Vagts, "The Multinational Enterprise" (*Harvard Law Review*, Vol. 83 page 739, 1970); C. Kindleberger (Ed.), *The International Corporation*; L. Turner, *The Politics of the Multi-national Company*; Folke Schmidt, *Law of Labour Relations in Sweden*; J. Kolaja, *Workers' Councils, Yugoslav Experience*; H. H. Wellington, *Labor and the Legal Process*; F. Meyers, *Ownership of Jobs* (U.S.A., Britain, France); K. Walker, *Industrial Democracy: Fantasy, Fiction or Fact?* Students should consult the latest editions of these books.

Further articles in journals will be recommended in seminars on particular questions.

For information concerning seminars for the LL.M. degree and

other graduate seminars in law, given at other Colleges of the University of London, students should consult either the Institute of Advanced Legal Studies, 25 Russell Square, London WC1B 5DR, or the Timetabling Office at the School.

**OTHER GRADUATE COURSES IN LAW GIVEN AT THE SCHOOL****474 Problems of Civil Litigation**

Master Jacob and Mr Zander. Fortnightly, Michaelmas and Lent Terms.

This seminar is mainly for students attending Course No. 461. Current problems in civil litigation will be discussed. Admission by permission.

**475 Problems in Taxation (Seminar)**

Professor Wheatcroft and Professor Prest. Fortnightly, Lent and Summer Terms.

For graduate students in the Law Department and M.Sc.: *Public Finance*, IV 4 (xii). Admission by permission of Professor Wheatcroft.

**Syllabus** The seminar will discuss the legal, accounting and economic aspects of various current problems in taxation. Subjects will be announced in advance.

**476 Legal Medicine and Psychiatry**

Mr Hall Williams, Dr Stone and visiting speakers. Lectures followed by discussion, Michaelmas and Lent Terms.

For LL.M.: *Criminology; Comparative Family Law*; LL.B.: *Law of Domestic Relations*. Optional for Dip. Soc. Work Studies. Other students may attend by permission.



## Philosophy, Logic and Scientific Method

### 485 Introduction to Scientific Method

Professor Watkins. Ten lectures, Michaelmas Term.

For B.Sc. (Econ.) Part I: alternative subject 4, *Introduction to Scientific Method*; B.Sc. (Econ.) Part II: *Logic and Methodology*, XVI 5; M.Sc.: *Advanced Scientific Method*, XII A2; B7; XIV 3 (vii).

**Syllabus** The aim of science. Explanation, prediction, technological control. Independent evidence and the avoidance of *ad hoc* hypotheses. Empirical content. Precision and measurement. Testing and corroboration. The empirical basis. Background knowledge. Induction and simplicity. Criteria for scientific progress. Scientific revolutions. Probability. Statistical hypotheses.

**Recommended reading** N. Campbell, *What is Science?* C. G. Hempel, *Philosophy of Natural Science*; K. R. Popper, *Conjectures and Refutations*, especially the introduction and chaps. 1, 2, 3, 5, 7, 8, 10, 11; *The Logic of Scientific Discovery*, especially chaps. 1-7, 10.

### 485(a) Introduction to Scientific Method Classes

Twenty classes. Sessional, in conjunction with Courses Nos. 485 and 486.

For B.Sc. (Econ.) Part I.

### 486 Introduction to Scientific Method: Social Sciences

Professor Watkins. Ten lectures, Lent Term.

For B.Sc. (Econ.) Part I alternative subject 4, *Introduction to Scientific Method*; B.Sc. (Econ.) Part II; *Scientific Method*, I 3a; III 3a; VI 8e; VII 7 and 8j; VIII 3e; X 1 and 2d (second year); *Philosophy of Social Sciences*, XVI 8a (third year); B.Sc. (Soc. Anth.) Part II, 3e; B.Sc. (Soc. Psych.); M.Sc.: *Methodology of the Social Sciences*, XII A7. Students are expected to have attended Course No. 485

Introduction to Scientific Method in preparation for this course.

**Syllabus** Methodological individualism and the study of unintended social results. Predictability. Observer-interference. Social organicity. Positive feed-back and catastrophe-theories. Social phenomenism, institutional stability, and sympathetic understanding of social activities. Social laws; macro-theories. Rationality and optimisation; game-theoretical rationality. Indeterminacy and uncertainty. Historical knowledge.

**Recommended reading** K. R. Popper, *The Poverty of Historicism*; F. A. Hayek, *The Counter-revolution of Science*, Part I; P. Winch, *The Idea of a Social Science*; L. C. Robbins, *The Nature and Significance of Economic Science*; M. Friedman, *Essays in Positive Economics*, chap. 1; T. W. Hutchison, *The Significance and Basic Postulates of Economic Theory*; F. Machlup, *Essays in Economic Semantics*; R. G. Collingwood, *The Idea of History*. ANTHOLOGIES AND READINGS: I. Lakatos and A. E. Musgrave (Eds.), *Problems in the Philosophy of Science* (pages 305-432); H. Feigl and M. Brodbeck (Eds.), *Readings in the Philosophy of Science*, Part 8; P. Gardiner (Ed.), *Theories of History*; M. Brodbeck (Ed.), *Readings in the Philosophy of the Social Sciences*; L. I. Krimmerman (Ed.), *The Nature and Scope of Social Science*; R. Borger and F. Cioffi (Eds.), *Explanation in the Behavioural Sciences*. Students are also referred to Courses Nos. 833 and 836.

### 487 Scientific Method

Professor Lakatos. Twenty lectures, Michaelmas and Lent Terms.

For B.Sc. (Econ.) Part II: *Scientific Method*, I 3a; III 3a; VI 8e; VII 7 and 8j; VIII 3e; X 1 and 2d (second year); *Philosophy and History of Science*, XVI 3b and 8b; *Logic and Methodology*, XVI 5 (second or third year); B.Sc. (Soc. Anth.) Part II, 3e; B.Sc. (Soc. Psych.); M.Sc.: *Advanced Scientific Method*, XII A 2; B 7; XIV 3 (vii).

**Syllabus** The problem of method. The objectivity of science. The appraisal of scientific theories. Research programmes.

### Philosophy, Logic and Scientific Method

The theory of crucial experiments.  
Continuity and revolution in science.  
Probabilistic hypotheses.  
The problem of inductive logic.

**Recommended reading** ESSENTIAL READING  
C. G. Hempel, *Philosophy of Natural Science*; K. R. Popper, *Conjectures and Refutations*, especially the introduction and chaps. 1, 2, 3, 5, 7, 8, 10, 11; *The Logic of Scientific Discovery*, especially chaps. 1-7, 10. T. S. Kuhn, *The Structure of Scientific Revolutions*; I. Lakatos and A. E. Musgrave, (Eds.), *Criticism and the Growth of Knowledge*.

**FURTHER READING** W. Whewell, *History of the Inductive Sciences*, Books 5, 6 and 7; *Philosophy of the Inductive Sciences*; H. Poincaré, *Science and Hypothesis*; P. Duhem, *The Aim and Structure of Physical Theory*; E. Nagel, *The Structure of Science*; K. R. Popper, "The Aim of Science" (*Ratio*, Vol. 1, 1958); J. W. N. Watkins, "Confirmable and Influential Metaphysics" (*Mind*, Vol. 67, 1958); P. K. Feyerabend, "Explanation, Reduction, and Empiricism" (*Minnesota Studies in the Philosophy of Science*, Vol. 3); J. Agassi, *Towards an Historiography of Science*; M. Polanyi, *Personal Knowledge*. Some useful anthologies are H. Feigl and M. Brodbeck (Eds.), *Readings in the Philosophy of Science*; M. Bunge (Ed.), *The Critical Approach*; A. J. Ayer (Ed.), *Logical Positivism*; P. A. Schilpp (Ed.), *The Philosophy of Rudolf Carnap*; I. Lakatos (Ed.), *The Problem of Inductive Logic*; M. H. Foster and M. L. Martin (Eds.), *Probability, Confirmation, and Simplicity*. Students should also see the recommended reading for Course No. 491.

#### 487(a) Scientific Method Class

Fortnightly, Michaelmas and Lent Terms, in conjunction with Course No. 487.

For B.Sc. (Econ.) Part II, special subject Philosophy (second year).

#### 487(b) Scientific Method Classes

Ten classes, fortnightly, Michaelmas and Lent Terms.

For B.Sc. (Econ.) Part II: *Scientific Method*, I 3a; III 3a; VI 8c; VII 7 and 8j;

VIII 3e; X 1 and 2d (third year). B.Sc. (Soc. Anth.), Part II, 3e; B.Sc. (Soc. Psych).

#### 487(c) Advanced Scientific Method Class

Ten classes, fortnightly, Michaelmas and Lent Terms.

#### 488 History of Modern Philosophy

Professor Watkins. Twenty-four lectures of two hours, Sessional.

For B.Sc. (Econ.) Part II: *History of Modern Philosophy*, XVI 6 (second year; optional for third year); M.Sc.: *History of Epistemology*, XII A 3; B 8. Optional for B.Sc. (Econ.) Part I: alternative subject 4, *Introduction to Scientific Method*.

**Syllabus** The main problems, theories and arguments of Bacon, Descartes, Spinoza, Locke, Leibniz, Berkeley, Hume and Kant considered against the rise of modern science.

**Recommended reading** TEXTS: F. Bacon, *Novum Organum* in J. Spedding, R. L. Ellis and D. D. Heath (Eds.), *The Works of Francis Bacon*; R. Descartes, *Philosophical Works* (trans. E. S. Haldane and G. R. T. Ross), Vol. I; J. Locke, *Essay Concerning Human Understanding* (Ed. A. S. Pringle-Pattison); B. Spinoza, *Correspondence* (Ed. A. Wolf); *Ethic* (trans. W. H. White and A. H. Sterling, 4th edn.); G. W. Leibniz, *The Monadology and Other Philosophical Writings* (Ed. R. Latta); *Discourse on Metaphysics and Correspondence with Arnauld*; *Selections* (Ed. P. P. Weiner); G. Berkeley, *Works* (Eds. A. A. Luce and T. E. Jessop, Vols. II, IV); D. Hume, *Enquiries* (Ed. L. A. Selby-Bigge) and *Treatise* (Ed. L. A. Selby-Bigge) especially Book I, Parts iii and iv, Book II, Part iii and Book III, Part i; I. Kant, *Prolegomena to any Future Metaphysics*.

**COLLECTIONS:** R. H. Popkin (Ed.), *The Philosophy of the 16th and 17th Centuries*; L. W. Beck (Ed.), *18th-Century Philosophy*.  
**COMMENTARIES:** R. H. Popkin, *The History of Scepticism from Erasmus to Descartes*; M. Mandelbaum, *Philosophy, Science and Sense-Perception*; J. W. N. Watkins, *Hobbes's System of Ideas*,

### Philosophy, Logic and Scientific Method

chaps. 3, 7, 8; L. Roth, *Descartes' Discourse on Method*; A. Sesonske and N. Fleming (Eds.), *Meta-Meditations: Studies in Descartes*; S. Hampshire, *Spinoza*; J. Gibson, *Locke's Theory of Knowledge*; C. B. Martin and D. M. Armstrong (Eds.), *Locke and Berkeley*; B. Russell, *The Philosophy of Leibniz*; editorial introductions in A. A. Luce and T. E. Jessop (Eds.), *The Works of George Berkeley*; V. C. Chappell (Ed.), *Hume*; N. Kemp Smith, *The Philosophy of David Hume*; S. Körner, *Kant*; H. J. Paton, *Kant's Metaphysics of Experience* (2 vols.).

#### 489 Moral and Political Philosophy

Mrs Letwin. Twenty lectures, Michaelmas and Lent Terms.

For B.Sc. (Econ.) Part II; *Moral and Political Philosophy*, XVI 4a (second or third year); *Political Philosophy*, VIII 8a (second year).

**Syllabus** The lectures discuss systematically some of the basic considerations for understanding political association: rationality, autonomy, and "conditioning". Individuality: "natural man" and social life, needs and wants. Political order: nature and artifice, reason and will. Despotism versus civil association: the unimportance of forms of government. The rule of law: laws versus commands, constitutionalism, separation of powers, legal reasoning. Law and justice: natural law, public opinion, equality. Limitations on government: decentralisation, representation, private property. Political criticism: tradition, reform and civil disobedience. Rationality in political argument.

**Recommended reading** will be given at the beginning of the course. Students are also referred to Courses Nos. 512, 513, 514 and 835.

#### 490 Epistemology and Metaphysics

Mr Zahar. Ten lectures, Michaelmas Term.

For B.Sc. (Econ.) Part II: *Epistemology and Metaphysics*, XVI 7 (second or third year). Optional for M.Sc.: *Advanced Scientific Method*, XII A2; B7; XIV

3 (vii); *History of Epistemology*, XII A3; B8.

**Syllabus** Problems of demarcation: analytic versus synthetic, science versus non-science. Euclidean geometry and the problem of synthetic a priori truth. The epistemological status of scientific laws. Positivism and conventionalism (Mach, Duhem, Poincaré). Operationalism (Mach, Bridgman).

**Recommended reading** I. Kant, *Prolegomena*; E. Mach, *Popular Scientific Lectures*; H. Poincaré, *Science and Hypothesis*; P. Duhem, *Aim and Structure of Physical Theory*; E. Meyerson, *Identity and Reality*.

#### 491 Selected Topics in the History of Science

Mr Zahar. Twenty lectures, Michaelmas and Lent Terms.

For B.Sc. (Econ.) Part II: *Philosophy and History of Science*, XVI 3b and 8b (second or third year); M.Sc.: *Selected Topics in the History of Science and Mathematics*, XII A 6; B 6.

**Syllabus** The structure of scientific revolutions, with special reference to: the seventeenth century revolution; the main philosophies of science which have accompanied the growth of modern science.

**Recommended reading** ESSENTIAL READING: G. Holton and D. H. D. Roller, *Foundations of Modern Physical Science*.  
**FURTHER READING:** I. B. Cohen, *The Birth of a New Physics*; T. S. Kuhn, *The Copernican Revolution*; D. Brewster, *Memoirs of Sir Isaac Newton*; A. I. Sabra, *Theories of Light from Descartes to Newton*; *Texas Quarterly*, Autumn 1967, X 3 (special issue on Sir Isaac Newton); A. Koyré, *Newtonian Studies*; *From the Closed World to the Infinite Universe*; E. A. Burt, *The Metaphysical Foundations of Modern Physical Science*; A. Einstein and L. Infeld, *The Evolution of Physics*; H. Butterfield, *The Origins of Modern Science*; M. Caspar, *Kepler*; A. Koestler, *The Sleepwalkers*; S. Toulmin and J. Goodfield, *The Fabric of the Heavens*; *The Architecture of Matter*; *The Discovery of Time*; C. Boyer, *The Concepts of the*

*Philosophy, Logic and Scientific Method*

*Calculus*; S. Drake (Ed.), *Discoveries and Opinions of Galileo*; Galileo, *Dialogue Concerning the Two Chief World Systems*; E. Meyerson, *Identity and Reality*.

**491(a) Philosophy and History of Science Class**

Mr Zahar. Michaelmas and Lent Terms.

For B.Sc. (Econ.) Part II: *Philosophy and History of Science*, XVI 3b or 8b.

**492 Introduction to Logic**

Mr Howson. Twenty-four lectures, Sessional.

For B.Sc. (Econ.) Part I: alternative subject 3, *Introduction to Logic*; B.Sc. (Econ.) Part II: *Logic and Methodology*, XVI 5; *Mathematical Logic*, X 7 and 8h; XI 2b; XVI 4b (second year); B.Sc. (Maths.) (first year); M.Sc.: *Elements of Mathematical Logic*, XII A 1.

**Syllabus** I An informal analysis of validity of inference, consistency and logical independence. Logical form and interpretation. Syntax and semantics. Truth-functional validity and the existence of an effective decision procedure for it. The absence of a general decision procedure for validity of inference. The introduction of formal rules of proof. II Axiomatics. The problems of consistency, independence and completeness. Types of consistency proof. Axiomatised logic. The absence of a finite model for arithmetic, and an informal account of the theorems of Gödel and Church. III The development of semantics, the Liar paradox and the inconsistency of natural languages.

**492(a) Logic Class**

Twenty classes. Sessional, in conjunction with Course No. 492.

For B.Sc. (Econ.) Part I; B.Sc. (Maths.); B.Sc. (Econ.) Part II; X 7 and 8h; XI 2b.

**492(b) Logic Classes**

Ten fortnightly classes, Michaelmas and Lent Terms.

For B.Sc. (Econ.) Part II: special subject Philosophy (second year).

**493 Mathematical Logic**

Mr Worrall and Mr Howson.

Twenty lectures, Michaelmas and Lent Terms.

For B.Sc. (Econ.) Part II: *Mathematical Logic*, X 7 and 8h; XI 2b; XVI 4b (third year); M.Sc.: *Elements of Mathematical Logic*, XII A 1; *Mathematical Logic*, XII B1.

**Syllabus** Elements of informal set theory. Introduction to first order theories. Turing machines. Incompleteness and undecidability. The Completeness Theorem and some of its corollaries.

**Recommended reading** P. R. Halmos, *Naive Set Theory*; E. Mendelson, *Introduction to Mathematical Logic*; S. C. Kleene, *Introduction to Metamathematics*. FURTHER READING J. R. Shoenfield, *Mathematical Logic*; A. A. Fraenkel and Y. Bar Hillel, *Foundations of Set Theory*; I. Lakatos, *Infinite Regress and the Foundations of Mathematics* (Arist. Soc. Supplementary Vol., 1962).

**493(a) Mathematical Logic Class**

Mr Howson and Mr Worrall. Michaelmas and Lent Terms.

For B.Sc. (Econ.) Part II: *Mathematical Logic*, X 7 and 8h; XI 2b; XVI 4b (third year).

**494(i) Boolean Algebras**

Dr J. L. Bell. Michaelmas Term.

For M.Sc.: *Advanced Mathematical Logic*, XII B 2; *Topics in the Foundations of Mathematics*, XII B 3. Optional for B.Sc. (Maths.) (third year).

**Syllabus** Lattices. Elementary properties of Boolean algebras. Filters and ultrafilters. Stone representation theorem. Atomic and complete Boolean algebras. Stone spaces of Boolean algebras.

**Recommended reading** P. R. Halmos, *Lectures on Boolean Algebras*; P. Dwinger, *Introduction to Boolean Algebras*. FURTHER READING R. Sikorski, *Boolean Algebras*.

**494(ii) Model Theory**

Dr J. L. Bell. Lent Term.

For M.Sc.: *Advanced Mathematical Logic*,

*Philosophy, Logic and Scientific Method*

XII B 2; *Topics in the Foundations of Mathematics*, XII B 3.

**Syllabus** Gödel-Henkin completeness theorem for first order theories. Löwenheim-Skolem theorems. Ultraproducts and applications.

**Recommended reading** J. L. Bell and A. B. Slomson, *Models and Ultraproducts: An Introduction*.

**494(iii) Axiomatic Set Theory**

Dr J. L. Bell. Summer Term.

For M.Sc.: *Advanced Mathematical Logic*, XII B 2; *Topics in the Foundations of Mathematics*, XII B 3.

**Syllabus** Axiomatic development of Zermelo-Fraenkel set theory. Definitions by transfinite induction. Constructible sets.

**Recommended reading** J. L. Krivine, *Théorie Axiomatique des Ensembles*; P. Cohen, *Set Theory and the Continuum Hypothesis*.

The following two courses are given at Chelsea College of Science and Technology:

**(i) Theory of Computability (Recursion Theory)**

Dr Machover, Michaelmas and Lent Terms.

For M.Sc.: *Topics in the Foundations of Mathematics*, XII B 3.

**Syllabus** Introduction. Recursive functionals and functions; machine-computable functionals and functions; equivalence of recursiveness and computability. Fundamental theorems; the arithmetic hierarchy; the recursion (fixed point) theorem. Recursively enumerable sets; recursively separable sets; creative sets; productive sets; discussion of Tarski's theorem on the undefinability of truth and of the Gödel-Rosser incompleteness theorem. Degrees of unsolvability; Post's problem and its solution.

**(ii) Proof Theory**

Dr Machover. Summer Term.

For M.Sc.: *Advanced Mathematical Logic*, XII B 2.

**495 Philosophy of Mathematics**

Professor Lakatos and Mr Worrall. Ten lectures and seminars, Lent Term.

For M.Sc.: *Philosophy of Mathematics*, XII A 4; B 4; *Selected Topics in the History of Science and Mathematics*, XII A 6; B 6.

**Syllabus** Mathematical heuristic. Selected topics in the history of mathematics. The idea of a foundation for mathematics in set theory; the work of Frege, Dedekind and Cantor. The paradoxes of Russell, Cantor and Burali-Forti and the resultant formation of three principal schools: Russell's, Hilbert's and Brouwer's. The decline of Russell's programme for the reduction of mathematics to logic. Hilbert's programme as a positive challenge to Brouwer's intuitionism and the concept of finitary mathematics. Gödel's incompleteness theorems and their effects on Hilbert's programme.

**Recommended reading** G. Polya, *Mathematics and Plausible Reasoning; Mathematical Discovery*; I. Lakatos, "Proofs and Refutations" (*The British Journal for the Philosophy of Science*, 1963-64); S. Körner, *Introduction to the Philosophy of Mathematics*; H. Putnam and P. Benacerraf (Eds.), *Readings in the Philosophy of Mathematics*; I. Lakatos (Ed.), *Problems in the Philosophy of Mathematics*; J. Hintikka (Ed.), *Philosophy of Mathematics*; J. van Heijenoort (Ed.), *From Frege to Gödel*.

**SEMINARS**

**496 Philosophy and Scientific Method**

All members of the department. Sessional.

For M.Sc. and other graduate students. Attendance by permission of Professor Watkins or Professor Lakatos.



*Philosophy, Logic and Scientific Method*

**497 Scientific Method and Epistemology**

Professor Watkins, Mr Howson, Mr Zahar and Mr Worrall. Michaelmas and Lent Terms.

For M.Sc.: *Advanced Scientific Method*, XII A 2; B 7; XIV 3 (vii); *History of Epistemology*, XII A 3; B 8.

**498 History of Science**

Professor Lakatos and Mr Zahar. Michaelmas and Lent Terms.

For M.Sc.: *Selected Topics in the History of Science and Mathematics*, XII A 6; B 6.

**499 Philosophy of the Social Sciences**

Professor Watkins and Mr Klappholz. Twenty seminars, Michaelmas and Lent Terms.

For B.Sc. (Econ.) Part II: *Philosophy of the Social Sciences*, XVI 8a; *Scientific Method*, I 3a (third year); M.Sc.: *Methodology of the Social Sciences*, XII A 7.

Students are expected to have attended Course No. 486 Introduction to Scientific Method: Social Sciences.

**500 Morality and the Philosophy of Law**

Mrs Letwin. Michaelmas and Lent Terms.

For B.Sc. (Econ.) Part II: *Moral and Political Philosophy*, XVI 4a (third year).

**501 Philosophical Problems**

Professor Watkins and Mr Howson, Michaelmas and Lent Terms.

For B.Sc. (Econ.) Part II: special subject Philosophy (third year).

**502 History of Philosophy**

Mr Mannu. Twenty meetings, Michaelmas and Lent Terms.

For B.Sc. (Econ.) Part II: *History of Modern Philosophy*, XVI 6 (third year).

**503 Logic and Methodology I**

Mr Worrall. Sessional.

For B.Sc. (Econ.) Part II: special subject Philosophy (second year).

**504 Logic and Methodology II**

Mr Zahar. Michaelmas and Lent Terms.

For B.Sc. (Econ.) Part II: special subject Philosophy (third year).

**Political Studies**

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### (A) Political Theory and the History of Political Thought

#### 510 Political Thought

Professor Kedourie. Thirty lectures, Sessional.

For B.Sc. (Econ.) Part II: *Political Thought*, I 1; II 4a; III 1; IV 2a; V 1a; VI 2; VII 2; VIII 4; IX 2; X 1 and 2c; XI 2c; XII 2; XIII 2a; XIV 2; XV 5 and 6a; XVI 2a (second year).

**Recommended reading** will be given at the beginning of the course.

#### 510(a) Classes

#### 511 Three Key Mediaeval Political Thinkers

Dr Morrall. Ten lectures, Michaelmas Term.

For B.Sc. (Econ.) Part II: *Political Thought*, I 1; II 4a; III 1; IV 2a; V 1a; VI 2; VII 2; VIII 4; IX 2; X 1 and 2c; XI 2c; XII 2; XIII 2a; XIV 2; XV 5 and 6a; XVI 2a (third year).

**Syllabus** The thinkers with whom this course will be concerned are St. Augustine, St. Thomas Aquinas and Marsiglio of Padua.

**Texts** R. H. Barrow (Ed.), *Introduction to St. Augustine's "City of God"*; A. P. d'Entrèves, *Aquinas: Selected Political Writings* (Blackwell's Political Texts); A. Gewirth, *Marsilius of Padua*, Vol. II.

#### 512 Political Thought from Hobbes to Burke

Mr Minogue. Ten lectures, Lent Term.

For B.Sc. (Econ.) Part II: *Political Thought*, I 1; II 4a; III 1; IV 2a; V 1a; VI 2; VII 2; VIII 4; IX 2; X 1 and 2c; XI 2c; XII 2; XIII 2a; XIV 2; XV 5 and 6a; XVI 2a (third year).

**Syllabus** The course is designed to examine some of the main issues arising in Hobbes, Spinoza, Locke, Rousseau,

Hume, Bentham and Burke, particularly the problem of individuality and its political significance. The political thought of these philosophers will be related, where relevant, to their ethical and epistemological positions.

**Texts** James I, *The Trew Law of Free Monarchies*; F. Bacon, *The Advancement of Learning*; R. Descartes, *Discourse on Method*; T. Hobbes, *Leviathan* (Ed. M. Oakeshott); J. Locke, *Two Treatises of Government* (Ed. P. Laslett); B. Spinoza, *The Political Works* (Ed. W. Wernham); J. Milton, *Areopagitica*; B. de Mandeville, *Fable of the Bees* (Ed. B. Kaye); D. Hume, *Treatise of Human Nature*; Montesquieu, *The Spirit of Laws*; J. J. Rousseau, *The Social Contract*; J. Bentham, *Introduction to the Principles of Morals and Legislation* (Ed. W. Harrison); E. Burke, *Conciliation with the Colonies*; T. Paine, *Rights of Man*; J. Harrington, *Oceana*; G. Savile (Halifax), *The Character of a Trimmer*; J. Swift, *Gulliver's Travels*; W. Godwin, *Political Justice*.

#### 513 Political Thought (Texts)

Twenty classes, Michaelmas and Lent Terms.

For B.Sc. (Econ.) Part II: *Political Thought (Set Texts)*, VII 7 and 8h; VIII 5; *Moral and Political Philosophy*, XVI 4a (third year).

**Plato:** Dr Morrall  
**Aristotle:** Dr Morrall  
**Marsilius:** Dr Morrall  
**Machiavelli:** Mr Minogue  
**Hobbes:** Dr Orr  
**Locke:** Professor Cranston  
**Rousseau:** Mr Charvet  
**Hegel:** Professor Kedourie  
**Mill:** Mr Thorp

#### 514 Political Philosophy

Professor Cranston and Dr Orr. Fourteen lectures, Lent and Summer Terms.

For B.Sc. (Econ.) Part II: *Political Philosophy*, VIII 8a; *Moral and Political Philosophy*, XVI 4a (second year).

**Syllabus** Philosophy: its nature and methods and its place in the study of

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politics. The origins and grounds of moral judgments. Authority and power. Compulsion, persuasion and consent. Responsibility and punishment. Political obligation. Organic and individualistic theories of political society. Concepts of nature and of reason. Natural law and natural rights. The definition of freedom. Social change and the problem of determinism. Positive and normative laws in political science. Property and distributive justice. The idea of equality. The nature of ideology. Theoretical foundations of democratic and non-democratic political orders.

**Recommended reading** C. G. Field, *Political Theory*; J. L. Lucas, *The Principles of Politics*; S. Benn and R. S. Peters, *Social Principles and the Democratic State*; J. D. Mabbott, *The State and the Citizen*; B. Barry, *Political Argument*; H. L. Hart, *The Concept of Law*; T. D. Weldon, *The Vocabulary of Politics*; M. Oakeshott, *Rationalism in Politics*; S. Wolin, *Politics and Vision*; M. Cranston, *Freedom*; E. F. Carr, *Morals and Politics*; P. Laslett (Ed.), *Philosophy, Politics and Society* (I and II); D. D. Raphael, *Problems of Political Philosophy*; K. R. Popper, *Conjectures and Refutations*; D. D. Raphael, *Political Theory and the Rights of Man*; A. P. d'Entrèves, *The Notion of the State*.

### 514(a) Class

Professor Cranston and Dr Orr. Fortnightly, Lent and Summer Terms, in connection with Course No. 514.

For second-year students.

### 514(b) Class

Professor Cranston and Dr Orr. Fortnightly, Michaelmas and Lent Terms, in connection with Course No. 514.

For third-year students.

### 515 Contemporary Political Thought

Professor Greaves. Fifteen lectures, Michaelmas and Lent Terms.

For B.Sc. (Econ.) Part II: *Contemporary Political Thought*, VIII 8b (second year).

**Syllabus** The European political thinking that has followed upon the rise of popular politics and the growth of industrial society. The part played in this thinking by increased knowledge of the natural world and its technological applications, and by the belief in the existence of laws of history. It thus covers the period from the French and the industrial revolutions to the present day.

**Recommended reading** TEXTS: J. Bentham, *Introduction to the Principles of Morals and Legislation*; G. W. F. Hegel, *The Philosophy of Right* (Trans. T. M. Knox); S. T. Coleridge, *Second Lay Sermon*; St. Simon, *Selected Writings* (Blackwell); K. Marx, *The Communist Manifesto* (Introduction by H. J. Laski); K. Marx and F. Engels, *Basic Writings on Politics and Philosophy* (Ed. L. S. Feuer); J. S. Mill, *On Liberty*; J. S. Mill, *Representative Government*; T. H. Green, *Lectures on the Principles of Political Obligation*; C. Sorel, *Reflections on Violence*; V. I. Lenin, *What is to be Done?*; V. I. Lenin, *The State and Revolution*.

**GENERAL READING OR FOR REFERENCE:** J. H. Randall, *The Making of the Modern Mind*; J. Schumpeter, *Capitalism, Socialism and Democracy*; J. S. Mill, *Bentham and Coleridge*; J. S. Mill, *Utilitarianism*; J. Talmon, *Political Messianism*; R. H. Tawney, *The Acquisitive Society*; A. V. Dicey, *Lectures on the Relation between Law and Public Opinion in the Nineteenth Century*; R. H. Soltau, *French Political Thought in the Nineteenth Century*; G. de Ruggiero, *The History of European Liberalism*; B. Croce, *History as the Story of Liberty*; R. A. Nisbet, *The Sociological Tradition*; I. M. Zeitlin, *Ideology and the Development of Sociological Theory*; W. Bagehot, *Physics and Politics*; M. Arnold, *Culture and Anarchy*; R. Williams, *Culture and Society 1750-1950*; E. Wilson, *To the Finland Station*; L. T. Hobhouse, *Elements of Social Justice*; G. Wallas, *Human Nature in*

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*Politics; Fabian Essays* (Introduction by Asa Briggs); E. Kedourie, *Nationalism*; H. R. G. Greaves, *Foundations of Political Theory*; H. J. Laski, *Grammar of Politics* (chap. 7).

### 515(a) Class

Professor Greaves, Dr Miliband and Mr Thorp. Fortnightly, Lent and Summer Terms, in connection with Course No. 515.

For second-year students.

### 515(b) Class

Professor Greaves, Dr Miliband and Mr Thorp. Fortnightly, Michaelmas and Lent Terms, in connection with Course No. 515.

For third-year students.

## GRADUATE COURSES (A)

### 516 Contemporary Political Analysis (Seminar)

Dr Letwin, Mr Barnes and Dr G. F. D. Dawson. Ten seminars, Michaelmas Term.

For B.Sc. (Econ.) Part II: special subject Government (third year) and interested graduate students. For other students by permission.

**Recommended reading** I. Social choice and the theory of elections: J. M. Buchanan and G. Tullock, *Calculus of Consent*; B. M. Barry, *Sociologists, Economists and Democracy*; A. Downs, *Economic Theory of Democracy*.  
II. Game theory: A. Rapoport, *Strategy and Conscience*; T. C. Schelling, *Strategy of Conflict*; Andrew Wilson, *War Gaming*.  
III. Systems analysis and organization theory: D. Easton, *A Framework for Political Analysis*; F. E. Emery (Ed.), *Systems Thinking*; J. E. Letterer (Ed.), *Organizations* (2 vols., 2nd edn.).

### 517 History of Political Thought (Seminar)

Professor Kedourie, Professor Oakeshott, Mr Minogue, Dr Orr and Mr Charvet. Sessional.

For M.Sc.: *History of Political Thought*, XVI 1.

### 518 The Philosophy of Ideology

Mr Minogue. Five lectures, Summer Term.

For M.Sc.: *History of Political Thought*, XVI 1 and other interested students.

**Syllabus** A discussion of ideological discourse taken as a specific form of political thinking.

### 519 Political Philosophy (Seminar)

Professor Cranston and Dr Orr. Fortnightly, Sessional.

For graduate and other students by permission.

### 520 Marxism

Dr Miliband. Ten lectures, Michaelmas Term.

Recommended for M.Sc.: *Political Sociology*, XVI 4; *Theories and Concepts of Political Sociology*, XX 3xi; *Political Stability and Change*, XX 3xii; B.Sc. (Econ.) Part II: *Contemporary Political Thought*, VIII 8b (second or third year).

**Syllabus** An examination of Marx's thought and of some revisions and adaptations of Marxism, notably German Revisionism and Leninism.

**Recommended reading** will be given at the beginning of the course.

### 521 Marxism after Lenin (Seminar)

Mrs de Kadt. Ten meetings, Lent Term.

For M.Sc.: *Political Sociology*, XVI 4. Recommended for M.Sc.: *Theories and Concepts of Political Sociology*, XX 3xi; *Political Stability and Change*, XX 3xii. Others who are interested may attend.

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### 522 Russian Political Thought

Mrs de Kadt. Ten lectures, Lent Term; in connection with Course No. 539.

For graduate students; B.Sc. (Econ.) Part II: *Politics and Government of Russia*, VIII 8c (second year).

Syllabus and recommended reading will be given at the beginning of the course.

### (B) Politics and Public Administration

#### 523 British Government: an Introduction to Politics

Professor Greaves, Dr Donoughue and Dr G. W. Jones. Sessional.

For B.Sc. (Econ.) Part I; B.Sc. (Maths) (first year).

**Syllabus** A study of constitutional government in Britain with some reference, by way of comparison and contrast, to the experience and traditions of other countries (not excluding autocracies); to be treated as a study both of institutions and of the concepts associated with them and their interaction with changes in the social order.

The Revolution of 1688; constitutional monarchy, parliamentary supremacy, separation and balance of power, judicial independence, the rule of law, rights and liberties. Cabinet government and other forms of executive government. Representation and legislation; the House of Commons; parties, opinion, special interests and pressure groups; the House of Lords; second chambers. The expansion of administration; the civil service; departments and statutory bodies; armed forces and police; state economic and social action; discretionary power and safeguards. Local government, decentralisation, federalism. Extension of constitutional government in the Commonwealth.

The double title of this subject is central to it. The juxtaposition is perhaps insufficiently self-explanatory. Those who have studied the government of Britain at 'A' level should not be misled into thinking

that they have covered the subject. Although they will be much helped—particularly in what they have learnt about the political institutions of the U.K., where there is certainly a significant overlap—they would do well to appreciate the wider and deeper approach shown below. That approach is analytical rather than descriptive, seeking reasons, explanations and justifications. It may also compare alternative ways of solving specific problems or of recognising what have come to be regarded as basic needs of modern societies, and meeting them. Political studies are concerned with the aims which society, judging from its history, ethic and organization, would seem to set itself in ordering its affairs; with its ways of expressing and developing them; and with the methods or institutions through which they are sought to be achieved—sometimes called the process of government. Political study, regarded as a discipline of enquiry, borrows from several others—such as philosophy, psychology, ethics, history and law or jurisprudence. It deals in "concepts" or ideas (as well as "machinery" or institutions), such as rights, liberties, representation, rule of law, equality, leadership, communication and education. The government of Britain is to be seen as a case-study in this context.

**Recommended reading** Students will be given details of recommended reading shortly before or after the beginning of the course.

#### 523(a) Classes

#### 524 English Constitutional History since 1660

Mrs Bennett. Thirty lectures of one-and-a-half hours, Sessional.

For B.Sc. (Econ.) Part II: *English Constitutional History since 1660*, VI 8a; VII 7 and 8b; VIII 3a (second year).

**Syllabus** The Restoration: relations between King, Lords and Commons; religious issues. Ministries under Charles II. Impeachment. Ministerial responsibility. Popish Plot, Exclusion Crisis and Royalist reaction. *Habeas corpus*. Prerogative, the

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suspending and dispensing powers. The armed forces. James II and the Revolution of 1688. The Bill of Rights and the Act of Settlement. Toleration. William III, ministers and party. Parliament and finance. The Cabinet in the reign of Anne. Politics in the early eighteenth century. The problem of the succession. The Hanoverians. The King and the Heir Apparent and the Cabinet. Whigs and Tories. Walpole, the premiership and the Commons. The structure of politics. The constitutional position of George III: his aims and motives. Ministerial instability. The executive and the legislature. Wilkes, the press and parliamentary privilege. The American controversy. Fox-North coalition and the election of 1784. Pitt, George III, the premiership and party in the late eighteenth century. Parliamentary reform. England and the French Revolution. Radicalism and repression. Reform agitation after 1815. The 1832 Reform Bill. Chartism and the Anti-Corn Law League. The electoral system 1832–1867. The reforms of 1867 and 1884. The development of party organization. The monarchy, the premiership and the cabinet in the nineteenth century. Local government. The civil service. Lords and Commons. The rise of the Labour Party. The constitutional crisis of 1911. Ireland and Home Rule. Dominion status.

**Recommended reading** will be given at the beginning of the course.

#### 525 History of British Politics in the Twentieth Century

Mr Beattie, Mr Barnes and Dr Donoughue. Fifteen lectures of one-and-a-half hours, Michaelmas and Lent Terms.

For B.Sc. (Econ.) Part II: *The Politics and Government of the United Kingdom*, VIII 6 (second year).

Syllabus and recommended reading will be given at the beginning of the course.

#### 526 The British Parliament

Lecturer to be announced. Five lectures, Lent Term.

For B.Sc. (Econ.) Part II: *The Politics and*

*Government of the United Kingdom*, VIII 6 (second year).

**Syllabus** From divine right to welfare state: the changing role of Parliament. Ideas of representation, and the legitimacy of the executive. The rise of modern Parties; the positions of M.P.s, Cabinet, Prime Minister, House of Lords. Changing conceptions of Parliamentary control; finance, legislation, administration; problems of ministerial responsibility. The place of Parliament in the age of universal suffrage and the mass media; Parliament and the political culture. Proposals for reform and their limitations.

**Recommended reading** L. S. Amery, *Thoughts on the Constitution*; W. Bagehot, *The English Constitution*; R. Bassett, *The Essentials of Parliamentary Democracy*; A. H. Birch, *Representative and Responsible Government*; J. P. Mackintosh, *The British Cabinet*; H. S. Morrison, *Government and Parliament*; P. G. Richards, *Honourable Members*; A. H. Hanson and H. V. Wiseman, *Parliament at Work*; R. T. McKenzie, *British Political Parties*; B. R. Crick, *The Reform of Parliament*; Hansard Society, *Parliamentary Reforms 1933–1958: A Survey of Suggested Reforms*; P. A. Bromhead, *The House of Lords and Contemporary Politics, 1911–1957*; B. Kemp, *King and Commons, 1660–1832*; A. H. Dodd, *The Growth of Responsible Government*; N. Gash, *Politics in the Age of Peel*; H. J. Hanham, *Elections and Party Management*; J. Vincent, *The Formation of the Liberal Party*; P. Einzig, *Control of the Purse*; G. Reid, *The Politics of Financial Control*; D. Coombes, *The M.P. and the Administration*; N. Johnson, *Parliament and Administration*; H. V. Wiseman, *Parliament and the Executive*; R. Butt, *The Power of Parliament* (2nd edn.); A. H. Hanson and B. Crick (Eds.), *The Commons in Transition*; P. Pulzer, *Political Representation and Elections in Britain*.

#### 527 British Government and Bureaucracy

Professor Self and Dr G. W. Jones. Ten lectures of one-and-a-half hours, Lent Term.

For B.Sc. (Econ.) Part II: *The Politics and*

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*Government of the United Kingdom*, VIII 6 (second year). Recommended for B.A./B.Sc. (Soc.) Branch III, 7a (second year).

**Syllabus** The relation between politics and administration in Britain. The central machinery of government and the factors which influence its structure. Patterns of devolution to public corporations and local authorities. The organization and character of the British Civil Service. Decision making in Whitehall and the relation of policy making to execution. Administration, interest groups and public opinion. The place of management and financial control in the public service. The influence of science and technology upon British government. The education of administrators. Comparison with other governmental systems.

**Recommended reading** A. H. Hanson and M. Walles, *Governing Britain*; J. A. Cross, *British Public Administration*; The Fulton Committee, *The Civil Service* (Cmd. 3638); R. G. S. Brown, *The Administrative Process in Britain*; R. A. Chapman, *The Higher Civil Service in Britain*; C. H. Sisson, *The Spirit of British Administration*; G. K. Fry, *Statesmen in Disguise*; D. N. Chester and F. M. G. Willson, *The Organisation of British Central Government*; W. J. M. Mackenzie and J. W. Grove, *Central Administration in Britain*; H. Parris, *Constitutional Bureaucracy*; Haldane Report, *Report of the Machinery of Government Committee*, (Cmd. 9230); H.M.S.O., *The Reorganisation of Central Government* (Cmd. 4500); S. H. Beer, *Treasury Control*; P. J. O. Self and H. J. Storing, *The State and the Farmer*; H. H. Eckstein, *Pressure Group Politics*; C. P. Snow, *Science and Government*; N. Walker, *Morale in the Civil Service*; P. J. O. Self, *Bureaucracy or Management*.

### 528 British Political Parties and the Electorate

Mr Barnes. Nine lectures, Summer Term.

For B.Sc. (Econ.) Part II: *The Politics and Government of the United Kingdom*, VIII 6 (second year) and graduate students.

**Syllabus and recommended reading** will be given at the beginning of the course.

### 529 British Political Parties and the Electorate (Seminar)

Mr Pickles and Mr Barnes. Michaelmas Term.

For B.Sc. (Econ.) Part II: *The Politics and Government of the United Kingdom*, VIII 6 (second and third years) and graduate students.

### 530 Politics and Government of the United Kingdom (Second Year) Class

Mr Beattie, Dr Donoughue and Mr Barnes, Michaelmas Term. Mr Barnes, Mrs Bennett and Dr G.F.D. Dawson, Lent Term. Professor Self, Dr J. B. Bourn and Dr Regan, Summer Term.

For B.Sc. (Econ.) Part II: *The Politics and Government of the United Kingdom*, VIII 6.

### 531 The Political Sociology of British Government

Dr Miliband. Ten lectures, Lent Term.

For M.Sc.: *Political Sociology*, XVI 4; *Theories and Concepts of Political Sociology*, XX 3xi; *Political Stability and Change*, XX 3xii; *The Study of Political Behaviour*, XX 3xiii. Recommended for B.Sc. (Econ.) Part II: *The Politics and Government of the United Kingdom*, VIII 6 (third year).

**Syllabus** An examination of some of the social and economic elements in British society which affect the character and operation of British Government.

**Recommended reading** will be given at the beginning of the course.

## Government

### 532 The Growth and Character of Local Government

Professor Self, Professor Griffith, Dr G. W. Jones and Dr Regan. Eighteen lectures, Michaelmas and Lent Terms.

For B.Sc. (Econ.) Part II: *Local Government of England and Wales*, VIII 3g (second year); Overseas Service Officers; Dip. Development Admin.; M.Sc.: *Administration in Regional and Urban Planning*, XV 2. Recommended for B.A./B.Sc. (Soc.) Branch III, 7a (third year) and graduate students.

**Syllabus** Principles and practice of the system of local government in England and Wales, including historical development, the structure of local government, internal organization and administration, politics in local government, local finance, functions and areas, local government and the community, regional government, the pattern of local-central relations, local government and politics in big cities, the administration of education, police and other local services, the reform of local government.

**Recommended reading** K. B. Smellie, *A History of Local Government*; J. Redlich and F. W. Hirst, *The History of Local Government in England* (Ed. B. Keith-Lucas); C. H. Wilson (Ed.), *Essays on Local Government*; P. G. Richards, *The New Local Government System*; R. M. Jackson, *The Machinery of Local Government*; J. G. Bulpitt, *Party Politics in English Local Government*; Mallaby Committee on Staffing, *Report*, 1967; Maud Committee on Management, *Report*, 1967; Evelyn Sharp, *The Ministry of Housing and Local Government*; J. A. G. Griffith, *Central Departments and Local Authorities*; N. P. Hepworth, *The Finance of Local Government*; G. Rhodes, *The Government of London: The Struggle for Reform*; R. Nottage and S. H. H. Hildersley, *Sources of Local Revenue*; J. P. Mackintosh, *The Devolution of Power*; W. A. Robson, *Local Government in Crisis*; Royal Commission on Local Government in London, *Report*, 1960 (Cmd. 1164); Royal Commission on Local Government in England, *Report*, 1969, Vols. I and II (Cmd. 4040).

### 532(a) Class

Dr G. W. Jones and Dr Regan. Lent and Summer Terms in connection with Course No. 532.

For B.Sc. (Econ.) Part II: *Local Government of England and Wales*, VIII 3g (second year).

### 533 Aspects of Comparative Local Government

Dr G. W. Jones. Ten lectures, Lent Term.

For B.Sc. (Econ.) Part II: *Local Government of England and Wales*, VIII 3g (second year); Overseas Service Officers; Dip. Development Admin.; M.Sc.: *Theory and Practice of Public Administration*, XVI 5. Recommended for other graduate students.

**Syllabus** A study of the local government systems of a number of countries both developed and underdeveloped. The organization, functions and areas of local authorities: their councils, internal arrangements, executives and administration. Politics, central-local relations, finance and the reform of local government. Planning: metropolitan and big-city government. The first four lectures will deal with the systems of local government in the U.S.A. and France.

**Recommended reading** S. Humes and E. M. Martin, *The Structure of Local Government*; A. F. Leemans, *Changing Patterns of Local Government*; A. H. Marshall, *Local Government Finance*; H. F. Alderfer, *Local Government in Developing Countries*; M. J. Campbell, T. G. Briery and L. F. Blitz, *The Structure of Local Government in West Africa*; Committee on the Management of Local Government, Vol. IV, *Local Government Administration Abroad*; G. S. Blair, *American Local Government*; B. Chapman, *Introduction to French Local Government*; W. A. Robson (Ed.), *Great Cities of the World*; A. H. Walsh, *The Urban Challenge to Government*. Other books and articles will be recommended at the beginning of the course.

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### 534 Comparative Local Government

Dr G. W. Jones. Ten seminars, Lent Term.

For M.Sc.: *Theory and Practice of Public Administration*, XVI, 5. Recommended for graduate and other students interested.

### 535 Comparative Political Institutions

For B.Sc. (Econ.) Part II: *Comparative Political Institutions*, VIII 7 (second year).

#### (i) U.S.A.

Dr Letwin. Five lectures of one-and-a-half hours, Michaelmas Term.

#### (ii) France

Dr Wright. Five lectures of one-and-a-half hours, Michaelmas Term.

#### (iii) U.S.S.R.

Mr Reddaway. Five lectures of one-and-a-half hours, Lent Term.

#### (iv) Introduction to the Methods of Comparison

Mr Wolf-Phillips. Five lectures of one-and-a-half hours, Lent Term.

#### (v) Selected Key Topics

Professor Schapiro and other members of the department. Eight lectures of one-and-a-half hours, Summer Term.

**535(a) Comparative Political Institutions (Second Year) Classes**  
Professor Schapiro and other members of the department. Summer Term.

For B.Sc. (Econ.) Part II: *Comparative Political Institutions*, VIII 7 (second year).

### 535(b) Comparative Political Institutions (Third Year) Classes

Professor Schapiro and other members of the department. Michaelmas and Lent Terms.

For B.Sc. (Econ.) Part II: *Comparative Political Institutions*, VIII 7 (third year).

### 536 Politics and Government of New and Emergent States (Class)

Mr Panter-Brick. Lent Term.

For B.Sc. (Econ.) Part II: *The Politics and Government of New and Emergent States in Former British and French Africa*, VIII 8c (third year).

### 537 Politics and Government of France

Mr Pickles and Dr Wright. Twenty lectures, Michaelmas and Lent Terms.

For B.Sc. (Econ.) Part II: *The Politics and Government of a Foreign Country*, VIII 8c (second year).

Syllabus and recommended reading will be given at the beginning of the course.

### 538 Politics and Government of the U.S.A.

Dr Letwin. Twenty lectures, Lent and Summer Terms.

For B.Sc. (Econ.) Part II: *The Politics and Government of a Foreign Country*, VIII 8c (second year).

Syllabus and recommended reading will be given at the beginning of the course.

### 538(a) Class

Dr Letwin and Dr Rosen. Fortnightly, Michaelmas and Lent Terms, in connection with Course No. 538.

For third-year students.

### 539 Politics and Government of Russia

Professor Schapiro. Twenty lectures, Michaelmas and Lent Terms.

For B.Sc. (Econ.) Part II: *The Politics and*

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*Government of a Foreign Country*, VIII 8c (second year).

Syllabus and recommended reading will be given at the beginning of the course.

### 539(a) Class

Mrs de Kadt. Fortnightly, Michaelmas and Lent Terms, in connection with Course No. 539.

For second-year students.

### 539(b) Class

Professor Schapiro and Mr Reddaway. Fortnightly, Michaelmas and Lent Terms, in connection with Course No. 539.

For third-year students.

### 540 Politics and Government of Scandinavia (Denmark, Norway and Sweden)

Dr G. F. D. Dawson. Twenty lectures, Lent and Summer Terms.

For B.Sc. (Econ.) Part II: *The Politics and Government of a Foreign Country*, VIII 8c (second year).

Syllabus and recommended reading will be given at the beginning of the course.

### 540(a) Class

Dr G. F. D. Dawson, Weekly, Summer Term, in connection with Course No. 540.

For second-year students.

## GRADUATE COURSES (B)

### 541 Politics and Government of the United Kingdom (Seminar)

Mr Beattie, Dr Donoughue and Mr Barnes. Sessional.

For M.Sc.: *Politics and Government of the United Kingdom*, XVI 2.

### 542 Contemporary British History (Seminar)

Mr Barnes, Dr Donoughue and Dr Cook. Michaelmas Term.

For graduate students and second and third year undergraduates by permission.

### 543 Comparative Government (Seminar)

Professor Schapiro, Dr Letwin, Mr Wolf-Phillips and Dr Wright. Sessional.

For M.Sc.: *Comparative Government*, XVI 3.

### 544 Political Change and Political Development

Mr Stewart. Eight lectures, Michaelmas Term.

For M.Sc.: *Theories and Concepts of Political Sociology*, XVI 4; XX 3xi; *Political Stability and Change*, XVI 4; XX 3xii and other graduate students.

Syllabus The course will be concerned with the consideration of problems in the analysis of modernisation and development through an examination of social movements.

Recommended reading M. Weber, *The Theory of Social and Economic Organisation*; Barrington Moore, Jr., *Social Origins of Dictatorship and Democracy*; R. Bendix, *Nation Building and Citizenship*; N. Smelser, *Theory of Collective Behaviour*; W. Kornhauser, *The Politics of Mass Society*; G. Ionescu and E. A. Gellner (Eds.), *Populism*; F. Neumann, *Behemoth*; E. H. Carr, *The Bolshevik Revolution*, Vols. 1-3; S. J. Woolf (Ed.), *The Nature of Fascism*.

### 545 Theories and Concepts of Political Sociology

(i) Dr Miliband and Mr Stewart. Ten lectures, Michaelmas Term.

(ii) Students must also attend Course No. 850.

For M.Sc.: *Theories and Concepts of*

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*Political Sociology*, XVI 4; XX 3xi; *Political Stability and Change*, XVI 4; XX 3xii; *Political Behaviour*, XVI 4; XX 3xiii.

In addition students are referred to Course No. 871.

Recommended reading will be given at the beginning of the course.

### 546 Theories and Concepts of Political Sociology (Seminar)

Professor McKenzie, Dr Miliband and Mr Stewart. Lent and Summer Terms.

For M.Sc.: *Theories and Concepts of Political Sociology*, XVI 4; XX 3xi; *Political Stability and Change*, XVI 4; XX 3xii; *Political Behaviour*, XVI 4; XX 3xiii.

### 547 The Causes of Revolution

This course will not be given in the session 1971-72.

### 548 Political Change and Political Development (Seminar)

Mr Stewart. Fifteen meetings, Lent and Summer Terms.

For M.Sc.: *Theories and Concepts of Political Sociology*, XVI 4; XX 3xi; *Political Stability and Change*, XVI 4; XX 3xii.

### 549 The Aims and Methods of Governmental Planning

Professor Self. Eight lectures, Michaelmas Term.

For M.Sc.: *Theory and Practice of Public Administration*, XVI 5; *Administration in Regional and Urban Planning*, XV 2 and other graduate students; Dip. Development Admin. Optional for B.Sc. (Econ.) Part II: special subject Government (second year); Dip. Soc. Admin. (second year); Dip. Soc. Admin., including Overseas Option (one-year).

**Syllabus** The modern scope of state activity. Theories of democratic planning and of the relations between the economic process and the political process.

Types and levels of governmental planning. The location and functioning of planning units, and the organization of planning machinery. The relationship of plans to administrative action and co-ordination. The contribution of social sciences to planning. Methods of planning and the implementation of plans.

Recommended reading will be announced weekly.

### 549(a) The Machinery of Governmental Planning (Seminar)

Dr G. W. Jones. Michaelmas Term, in conjunction with Course No. 549.

For Dip. Development Admin.; M.Sc.: *Theory and Practice of Public Administration*, XVI 5; *Administration in Regional and Urban Planning*, XV 2.

**Syllabus** The seminar will discuss the organization of governmental planning in a number of countries developed and developing.

### 550 An Introduction to Administrative Theories

Professor Self and Dr Regan. Ten lectures, Summer Term.

For M.Sc.: *Theory and Practice of Public Administration*, XVI 5; B.A./B.Sc. (Soc.) Branch III 7a (second year) and other graduate and undergraduate students interested.

**Syllabus** An introduction to the theoretical approach to public administration, including concepts of scientific management, organization theories and administrative sociology. Administrative issues considered in the light of theories.

**Recommended reading** P. Meyer, *Administrative Organisation*; L. Gulick and L. Urwick, *Papers on the Science of Administration*; H. A. Simon, *Administrative Behaviour* (2nd edn.); C. E. Lindblom and D. Braybrooke, *The Policy Making Process*; Rosemary G. Stewart, *The Reality of Management*; J. G. March and H. A. Simon, *Organisations*; K. Boulding, *The Organisational Revolution*; D. Waldo, *The Administrative State*; R. Likert, *New Patterns of Management*; G. Vickers, *The Art of Judgement*;

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*Towards a Sociology of Management*; A. Etzioni, *Modern Organisations*, M. Albrow, *Bureaucracy*; N. P. Mouzelis, *Organisation and Bureaucracy*; M. Crozier, *The Bureaucratic Phenomenon*. Further reading will be given during the course.

### 551 Urban and Regional Planning: Politics and Administration

Professor Self, Dr G. W. Jones and Dr Regan. Sixteen lectures, Michaelmas and Lent Terms.

For M.Sc.: *Administration in Regional and Urban Planning*, XV 2; *Housing and Town Planning*, XVII 2(iv).

**Syllabus** (a) The history and development of urban and regional planning. The evolution of public policies, legislation and government organization.

(b) The present system of planning administration, including plan making and implementation, and central-local relations.

(c) The politics of urbanisation and of the planning process.

(d) The relation of planning to housing and to social policies. The uses of planning research. The planning profession.

(e) Theories of the purposes and character of urban and regional planning. Methods of regional planning. Comparisons between British and other systems.

A. TOWN AND COUNTRY PLANNING  
A. Altushuler, *The City Planning Process*;  
W. Ashworth, *The Genesis of Modern British Town Planning*; J. B. Cullingworth, *Town and Country Planning in England and Wales* (2nd edn.); D. Foley, *Controlling London's Growth*; H. J. Gans, *People and Plans*; S. Greer, *The Emerging City*; J. A. G. Griffith, *Central Departments and Local Authorities* (chap. 5); Peter Hall, *London 2,000* (2nd edn.); D. Heap, *An Outline of Planning Law* (5th edn.); Jane Jacobs, *The Life and Death of Great American Cities*; D. R. Mandelker, *Green Belts and Urban Growth*; M. Meyerson and E. Banfield, *Politics, Planning and Public Interest*; Ministry of Housing and Local Government, *The Future of Development Plans*; F. J. Osborn and A. Whittick, *New Towns: The Answer to Megalopolis*; F. F.

Rabinovitz, *City Politics and Planning*; P. Self, *Cities in Flood: the Problems of Urban Growth* (2nd edn.); Skeffington Committee, *People and Planning*; J. Tetlow and A. Goss, *Homes, Towns and Traffic* (2nd edn.).

B. REGIONAL AND ECONOMIC PLANNING  
J. R. Boudeville, *Regional Economic Planning*; G. C. Cameron and B. D. Clark, *Industrial Movement and the Regional Problem*; G. C. Cameron and G. L. Reid, *Scottish Economic Planning and the Attraction of Industry*; R. E. Dickinson, *The City Region in Western Europe*; J. Friedman and W. Alonso, *Regional Development and Planning*; J. and A. M. Hackett, *Economic Planning in France*; N. M. Hansen, *Regional Planning in France*; Hunt Committee, *The Intermediate Areas* (Cmd. 3998); G. McCrone, *Regional Policy in Britain*; Joan Mitchell, *Groundwork to Economic Planning*; G. Myrdal, *Economic Theory and Underdeveloped Regions*; F. Oules, *Economic Planning and Democracy*; S. C. Orr and J. B. Cullingworth (Eds.), *Regional and Urban Studies*; P.E.P., *Regional Development in the European Economic Community*; B. C. Smith, *Regionalism in England*, 3 Vols.; J. Tinbergen, *Central Planning*; T. Wilson, *Papers on Regional Development*; *Policies on Regional Development*.

### 551(a) Urban and Regional Planning: Politics and Administration (Seminar)

Professor Self, Dr G. W. Jones and Dr Regan. Sessional.

For M.Sc.: *Administration in Regional and Urban Planning*, XV 2. Other students may attend only by permission.

### 552 Public Enterprise

Professor Robson. Eight lectures, Michaelmas Term.

For M.Sc.: *Theory and Practice of Public Administration*, XVI 5; Dip. Development Admin. Also for B.Sc. (Econ.) Part II: *The Politics and Government of the U.K.*, VIII 6 (third year).

**Syllabus** The distinctive features of public enterprise. Ideological and material

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influences determining the extent and scope of public enterprise in different countries. The principal spheres of public undertakings. The motives of State intervention. The role of public enterprise in a mixed economy. The principal types of institution used for administering public enterprises. Government departments, local authorities, joint stock companies etc. The public corporation: its constitutional, political, legal, financial and administrative characteristics. The Governing Board. The theory and practice of public corporations. Mixed enterprise. International public enterprise and mixed enterprise. The organization and management of public undertakings. Types of structure. Control and accountability. Financial and price policy. Relations with Parliament, Ministers, the courts etc. Consumers and consumer councils. Labour relations and joint consultation. Competition, conflict and monopoly in the public sector. The aims and purposes of public enterprise. Rival concepts. The criteria of performance. Favourable and adverse conditions for the operation of public enterprise. Recent developments and new approaches.

**Recommended reading** W. A. Robson, *Nationalized Industry and Public Ownership*; W. A. Robson (Ed.), *Public Enterprise*; W. A. Robson (Ed.), *Problems of Nationalized Industry*; A. H. Hanson (Ed.), *Nationalization*; A. H. Hanson, *Parliament and Public Ownership*; A. H. Hanson, *Public Enterprise and Economic Development*; M. Shanks (Ed.), *The Lessons of Public Enterprise*; M. V. Posner and S. J. Woolf, *Italian Public Enterprise*; J. Jewkes, *Public and Private Enterprise*; A. Chazel and H. Poyet, *L'Economie Mixte*; D. Coombes, *The Member of Parliament and the Administration*; A. Shonfield, *Modern Capitalism*; W. Thornhill, *The Nationalised Industries*; W. Friedmann and J. F. Garner (Eds.), *Government Enterprise*; Select Committee on Nationalised Industries, *Report on the Post Office*, 1967; *Report on Ministerial Control*, session 1967-68; See also articles on this Report by W. A. Robson in *The Political Quarterly*, January-March 1969

and October-December 1969. G. S. Bhalla, *Financial Administration of Nationalised Industries in U.K. and India*; Centre Européen de l'Entreprise Publique, *Les entreprises dans la communauté économique Européenne*; Collège d'Europe, *Public Enterprises and Competition*; *Rapport sur les Entreprises Publiques* (NORA Report, Paris, 1967).

### 553 Problems of Public Enterprise (Seminar)

Professor Robson. Michaelmas Term. For M.Sc.: *Theory and Practice of Public Administration*, XVI 5. Undergraduates may be admitted by permission.

### 554 Public Administration (Seminar)

Professor Self, Professor Griffith, Dr G. W. Jones and Dr Regan. Sessional.

For M.Sc.: *Theory and Practice of Public Administration*, XVI 5.

### 555(i) The British Civil Service (Seminar)

Professor Self, Dr G. W. Jones and Dr Regan. Lent Term.

For graduate and other students interested. Recommended for B.Sc. (Econ.) Part II: special subject Government (third year); M.Sc.: *Theory and Practice of Public Administration*, XVI 5. The seminar will include contributions from senior Civil Servants and others with experience of the workings of government.

### 555(ii) Local Government (Seminar)

Dr G. W. Jones. Five meetings, Summer Term.

For graduate and other students interested. Recommended for B.Sc. (Econ.) Part II: special subject Government (second year); M.Sc.: *Theory and Practice of Public Administration*, XVI 5. Contributors will include those with experience of local government.

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### 556 International Politics of Africa

Mr Panter-Brick and Mr Mayall. Ten lectures, Michaelmas Term.

For M.Sc.: *International Politics: Africa and the Middle East*, XI 2 (xii); *Politics and Government of Africa*, XVI 6; M.A. Area Studies—Africa.

**Syllabus** The various groupings, associations and alignments within the Pan-African movement. Problems of national integration and of state frontiers. The present basis, character and extent of inter-state co-operation. The concepts of non-alignment, neutralism and neo-colonialism. Special relationships with the Commonwealth, Britain, France, the European Economic Community. Problems concerning foreign trade and foreign aid. Policies within the United Nations. Great Power policies towards Africa.

**Recommended reading** C. Legum, *Pan-Africanism*; Doudou Thiam, *The Foreign Policy of African States*; R. C. Lawson, *International Regional Organisations Part V: Africa*; N. J. Padelford and R. Emerson (Eds.), *Africa and World Order*; V. McKay (Ed.), *African Diplomacy: Studies in the Determinants of Foreign Policy*; K. Nkrumah, *Africa Must Unite*; I. Wallerstein, *Africa: the Politics of Unity*; Ali Mazrui, *Towards a Pax Africana*; I. W. Zartman, *International Relations in the New Africa*; P. Okigbo, *Africa and the Common Market*; A. Hazlewood (Ed.), *African Integration and Disintegration*; Z. Cervenka, *The Organisation of African Unity and its Charter*; C. G. Widstrand, *African Boundary Problems*; G. de Lusignan, *French Speaking Africa since Independence*, Part 3; Z. Bezenski, *Africa and the Communist World*; A. Tevoedjre, *Pan-Africanism in Practice*; P. Robson, *Economic Integration in Africa*; W. A. Nielsen, *The Great Powers and Africa*. For articles consult *International Affairs*; *World Today*; *International Organisation*; *Journal of Modern African Studies* and *Africa Report*.

Students should also attend Course No. 621 Foreign Relations of African States.

### 557 Politics in Africa

Mr Panter-Brick. Ten lectures, Lent Term.

For graduate students, especially M.Sc.: *The Politics and Government of Africa*, XVI 6; *International Politics: Africa and the Middle East*, XI 2 (xii); M.A. Area Studies—Africa.

**Syllabus** The problem of establishing political authority in a new state, considered analytically and historically. The use made of typologies in explaining the new political system; recent criticisms of these typologies. The role of ideology and theories of elites applied to the politics of new states. An examination of current problems and recent trends, especially military intervention, representative institutions, efficient administration.

**Recommended reading** L. P. Mair, *New Nations*; R. Emerson, *From Empire to Nation*; A. R. Zolberg, *One-Party Government in the Ivory Coast*; A. R. Zolberg, *Creating Political Order*; J. S. Coleman and C. G. Rosberg (Eds.), *Political Parties and National Integration in Tropical Africa*; W. J. Hanna (Ed.), *Independent Black Africa*; E. Shils, *Political Development in the New States*; Van Den Berghe, *Africa: Social Problems of Change and Conflict*; J. La Palombara, *Bureaucracy and Political Development*; T. Hodgkin, *Nationalism in Colonial Africa*; T. Hodgkin, *African Political Parties*; C. Geertz (Ed.), *Old Societies and New States*; D. E. Apter, *The Politics of Modernisation*; D. E. Apter, *Ghana in Transition*; S. P. Huntington, "Political Development and Political Decay" (*World Politics*, January, 1965); C. S. Whitaker Jr., "A Dysrhythmic Process of Political Change" (*World Politics*, January, 1967); D. A. Rustow, *A World of Nations*; M. Kilson, *Political Change in a West African State: Sierra Leone*; P. C. Lloyd, *Africa in Social Change*; M. Janowitz, *The Military in the Political Development of New Nations*; J. M. Lee, *African Armies and Civil Order*; W. Gutteridge, *The Military in African Politics*; S. Andreski, *The African Predicament: A Study in the Pathology of Modernisation*; S. K. Panter-Brick (Ed.), *Nigerian Politics and Military Rule*; S.



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Huntington, *Political Order in Changing Societies*; G. L. Almond and J. S. Coleman, *The Politics of the Developing Areas*; R. O. Collins (Ed.), *Problems in the History of Colonial Africa, 1860-1960*.

### 558 Politics in Africa (Seminar)

Mr Panter-Brick, Mr P. F. Dawson, Professor I. M. Lewis and Professor Gellner. Fortnightly, Lent and Summer Terms.

An interdisciplinary seminar for graduate students of Politics, Anthropology or Sociology, working in the field of African politics.

### 559 Politics and Government of Scandinavia (Seminar)

Dr G. F. D. Dawson. Fortnightly, Sessional.

For M.Sc.: *Politics and Government of an Approved Country*, XVI 6. Students may have difficulty without at least some knowledge of one of the Scandinavian languages.

### 560 Soviet Problems

Professor Schapiro and Mr Reddaway will hold a weekly seminar throughout the session on current political problems and on historical questions in the Soviet and Communist orbit for graduates working under their supervision.

Others may attend strictly by invitation.

### 561 Government and Politics in Eastern Europe (Seminar)

Mr Blit, Michaelmas and Lent Terms.

For graduate students. Undergraduates may attend by permission.

### 562 Russian Politics and Political Thought (Seminar)

Professor Schapiro, Mr Reddaway and Mrs de Kadat. Sessional.

For M.Sc.: *Politics and Government of an Approved Country*, XVI 6 and other graduate students.

The seminar will be concerned mainly with the syllabus for M.Sc.: *The Politics and Government of Russia*, but other interested graduate students may attend by arrangement.

### 563 Problems of Contemporary Socialism (Seminar)

Dr Miliband. Lent Term.

For graduate students in Government and Sociology. Other graduate students may be admitted by permission of Dr Miliband.

**Syllabus** Some problems of socialist theory and practice in Western and Communist societies and in countries of the "Third World".

### 564 Seminar

Professor Greaves, Michaelmas and Lent Terms, on a subject to be arranged.

For graduate students.

### 565 Politics and Government of the Middle East

Professor Kedourie. Ten lectures, Lent Term.

For graduate students and others interested in the subject.

**Syllabus** Islamic political thought and traditions of government. The breakdown of the old order. The Ottoman Reform and its outcome: society and government in the Ottoman Empire and Egypt in the nineteenth century. Islamic Reform. Nationalism, Muslims and non-Muslims. The Persian Revolution, 1906 and the Young Turk Revolution, 1908-9. The destruction of the Ottoman Empire. The successor states. Constitutionalism and authoritarianism. Pan-Arabism and Zionism.

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**Recommended reading** C. C. Adams, *Islam and Modernism in Egypt*; G. Antonius, *The Arab Awakening*; T. W. Arnold, *The Caliphate* (2nd edn., 1965); N. Berkes, *The Development of Secularism in Turkey*; M. H. Bernstein, *The Politics of Israel*; E. G. Browne, *The Persian Revolution*; R. H. Davison, *Reform in the Ottoman Empire 1856-1876*; C. N. E. Eliot, *Turkey in Europe*; H. W. G. Glidden, "Arab Unity: Ideal and Reality" in J. Kritzeck and B. Winder (Eds.), *The World of Islam*; S. G. Haim, *Arab Nationalism*; A. Hourani, *Arabic Thought in the Liberal Age, 1798-1939*; A. Hertzberg, *The Zionist Idea*; J. C. Hurewitz, *The Struggle for Palestine*; K. Karpat, *Turkey's Politics*; E. Kedourie, *England and the Middle East*; *The Chatham House Version*; *Afghani and 'Abduh*; A. K. S. Lambton, *Islamic Society in Persia*; W. Z. Laqueur (Ed.), *The Middle East in Transition*; B. Lewis, *The Emergence of Modern Turkey*; A. H. Lybyer, *The Government of the Ottoman Empire in the time of Suleiman the Magnificent*; R. Montagne, "The Modern State" in Africa and Asia" (*The Cambridge Journal*, 1952); E. E. Ramsaur, *The Young Turks*; P. Rondot, *Les Institutions Politiques du Liban*; E. I. J. Rosenthal, *Political Thought in Medieval Islam*; Kamal Salibi, *The Modern History of Lebanon*; D. de Santillana, "Law and Society" in *The Legacy of Islam*; G. E. von Grunebaum, *Islam* (2nd edn., 1961); *Modern Islam*; D. Warriner, *Land and Poverty in the Middle East*; J. Weulersse, *Paysans de Syrie et du Proche-Orient* (Bk. 1, chap. 2); V. R. Swenson, "The Military Rising in Istanbul, 1909" (*Journal of Contemporary History*, Vol. 5, No. 4, October 1970).

### 566 Government and Politics in Latin America

Mr Moseley-Williams. Fifteen lectures, Michaelmas and Lent Terms.

For graduate students. Also recommended for B.Sc. (Econ.) Part II: *Comparative Political Institutions*, VIII 7 (third year).

**Syllabus** Political institutions, parties and major elites of the countries of Latin America.

**Recommended reading** will be given at the beginning of the course.

### 567 Contemporary Politics in Selected Latin American Countries

Mr Moseley-Williams. Ten seminars, Lent Term.

For graduate students. Undergraduates may be admitted by arrangement.

**Syllabus** These seminars will deal with the political processes of Chile, Mexico, Argentina, Peru and Cuba and will discuss issues such as those of peasants and land reform, the involvement of the military in politics and social revolution, as well as focusing on the political parties and elites of the different states.

### 568 Government Regulation of the American Economy (Seminar)

Dr Letwin. Fortnightly, Lent and Summer Terms. This course will not be given in the session 1971-72.

For graduate students, particularly in Economic History and Government.

## International Relations

### 580 Structure of International Society

Mr James. Twenty lectures, Michaelmas and Lent Terms.

For B.Sc. (Econ.) Part I: alternative subject 7, *Structure of International Society*.

**Syllabus** The purpose of this course is to promote a deeper understanding of international relations. It will examine the context within which sovereign States are able to engage in continuous and complex relations with one another, discuss the character of those relations, analyse the ingredients of foreign policy and the means by which it is executed, enquire into the circumstances which engender harmony and discord between States, and consider some proposals which have been made for the better ordering of the international society.

**Recommended reading** J. L. Brierly, *The Law of Nations* (6th edn.); H. Butterfield, *Christianity, Diplomacy and War* (3rd edn.); E. H. Carr, *International Relations Between Two World Wars*; E. H. Carr, *The Twenty Years' Crisis*; I. L. Claude, *Swords into Plowshares* (3rd edn.); G. Connell-Smith, *Pattern of the Post-War World*; W. T. R. Fox (Ed.), *Theoretical Aspects of International Relations*; J. Frankel, *International Relations*; L. J. Halle, *The Nature of Power*; F. H. Hartmann, *The Relations of Nations*; J. H. Herz, *International Politics in the Atomic Age*; K. J. Holsti, *International Politics*; R. C. Macridis (Ed.), *Foreign Policy in World Politics* (2nd edn.); C. A. W. Manning, *The Nature of International Society*; H. J. Morgenthau, *Politics Among Nations* (3rd edn.); K. N. Waltz, *Man, The State, and War*; G. Barraclough, *An Introduction to Contemporary History*.

### 580(a) Structure of International Society (Class)

Members of the department. Michaelmas and Lent Terms.

For B.Sc. (Econ.) Part I: alternative subject 7, *Structure of International Society*.

### 581 The International Political System

Professor Northedge. Fifteen lectures, Michaelmas and Lent Terms.

For B.Sc. (Econ.) Part II: *International Politics*, XII 4; XIV 3b; XV 5 and 6g (second year); B.Sc. Geog. C 401; M.Sc.: *International Politics*, XI 1 and other graduate students.

**Syllabus** The emergence and organization of the modern system of sovereign States. The political processes in the international community and contemporary thought on its character and functioning. The external needs of States and goals of State activity. The means of pressure and the forms of political relationship between States. The dynamic aspect: revolutionary movements, the external projection of political values and the changing distribution of power and leadership. War as a contingency of international life. Mechanisms for securing stability and agencies for directed change.

**Recommended reading** F. S. Northedge and M. J. Grieve, *A Hundred Years of International Relations*; S. Hoffmann (Ed.), *Contemporary Theory in International Relations*; H. and M. Sprout, *Foundations of International Politics*; M. A. Kaplan (Ed.), *The Revolution in World Politics*; F. H. Hinsley, *Power and the Pursuit of Peace*; F. S. Northedge and M. D. Donelan, *International Disputes: The Political Aspects*; R. Niebuhr, *The Structure of Nations and Empires*; E. M. Winslow, *The Pattern of Imperialism*; H. Seton-Watson, *The New Imperialism*; R. Emerson, *From Empire to Nation*; A. Cobban, *National Self-Determination*; C. J. H. Hayes, *The Historical Evolution of Modern Nationalism*; I. Claude, *Power and International Relations*; F. H. Hartmann, *The Relations of Nations* (2nd edn.); A. B. Bozeman, *Politics and Culture in International History*; L. J. Halle, *The Nature of Power*; E. V. Gulick, *Europe's Classical Balance of Power*; A. F. K. Organski, *World Politics* (2nd edn.); G. A. Lipsky (Ed.), *Law and Politics in the World Community*; L. C. V. Crabb, *Nations in a Multi-polar World*; C. L. Robertson, *International Politics Since World War II*;

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A. Wolfers, *Discord and Collaboration*; R. Aron, *Peace and War*; K. J. Holsti, *International Politics*.

### 581(a) International Politics (Class)

Professor Northedge, Mr Mayall and Mr G. H. Stern. Michaelmas and Lent Terms.

For B.Sc. (Econ.) Part II: *International Politics*, XII 4 (second year); XIV 3b; XV 5 and 6g (third year); B.Sc. Geog. C 401.

### 582 Foreign Policy Analysis

This course will not be given in the session 1971-72.

For M.Sc.: *Foreign Policy Analysis*, XI 2 (i) and other graduate students.

**Syllabus** A discussion of the nature of foreign policy as an activity. Such aspects as the following will be considered: the terms used in the analysis and practice of foreign policy; purposes, aims and determinants of foreign policy; internal and external influences; problems of co-operation, conflict and dispute with other states; methods of implementing foreign policy; problems of organization.

**Recommended reading** F. S. Northedge (Ed.), *The Foreign Policies of the Powers*; J. Frankel, *The Making of Foreign Policy*; P. Renouvin and J. B. Duroselle, *An Introduction to the History of International Relations*; R. E. Jones, *Analysing Foreign Policy*; D. Wilkinson, *Comparative Foreign Relations*; H. Nicolson, *Diplomacy*; J. Rosenau, *The Scientific Study of Foreign Policy*; R. Osgood and R. Tucker, *Force, Order and Justice*; M. Beloff, *Foreign Policy and Democratic Politics*; K. London, *The Making of Foreign Policy, East and West*; V. McKay (Ed.), *African Diplomacy*.

### 583(i) The Foreign Policies of the Powers

Members of the department and Mrs Pickles. Thirty lectures, Lent and Summer Terms.

For B.Sc. (Econ.) Part II: *Foreign Policy*

*Analysis*, XII 5 (second year); M.Sc.: *Foreign Policy Analysis*, XI 2 (i); *International Politics*, XI 2 (ix)-(xii) and other graduate students.

**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. The United States, the United Kingdom, the Soviet Union, France, China, India and the German Federal Republic will be considered in the session 1971-72.

#### Recommended reading

(a) THE UNITED STATES: J. W. Spanier, *American Foreign Policy since World War II*; G. A. Almond, *The American People and Foreign Policy*; D. S. Cheever and H. F. Haviland, *American Foreign Policy and the Separation of Powers*; C. V. Crabb, *American Foreign Policy in the Nuclear Age*; M. D. Donelan, *The Ideas of American Foreign Policy*; D. Cater, *Power in Washington*; C. Bell, *Negotiation from Strength*; B. Sapin, *The Making of United States Foreign Policy*; A. M. Schlesinger, Jr., *The Bitter Heritage*; A. M. Scott and R. H. Dawson, *Readings in the Making of American Foreign Policy*.  
(b) THE UNITED KINGDOM: Lord Strang, *Britain in World Affairs*; Lord Strang, *The Foreign Office*; F. S. Northedge, *British Foreign Policy, 1945-1961*; D. G. Bishop, *The Administration of British Foreign Relations*; F. S. Northedge, *The Troubled Giant*.  
(c) THE SOVIET UNION: K. and I. Hulicka, *Soviet Institutions, the Individual and Society*; I. Lederer (Ed.), *Soviet Foreign Policy*; J. F. Triska and D. D. Finley, *Soviet Foreign Policy*; A. B. Ulam, *Expansion and Co-existence*; W. Welch, *American Images of Soviet Foreign Policy*.  
(d) FRANCE: E. M. Carroll, *French Public Opinion and Foreign Affairs, 1870-1914*; C. de Gaulle, *Mémoires de Guerre*, three vols., *L'Appel, L'Unité, Le Salut* (also available in English translation); J. Furniss, *France, Troubled Ally*; W. W. Kulski, *De Gaulle*

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and the World; A. Grosser, *Foreign Policy Under de Gaulle*.

(e) CHINA: J. Chen, *Mao and the Chinese Revolution*; S. R. Schramm, *Political Thought of Mao Tse-tung*; D. Barnett, *Communist China and Asia*; D. Zagoria, *The Sino-Soviet Conflict*; A. M. Halpern, *Policies Towards China*; C. P. Fitzgerald, *The Chinese View of their Place in the World*.

(f) INDIA: A. Appadorai, "The Foreign Policy of India" in J. E. Black and K. W. Thompson (Eds.), *Foreign Policies in a World of Change*; A. Appadorai, "Indian Diplomacy" in S. D. Kertesz and M. A. Fitzsimons (Eds.), *Diplomacy in a Changing World*; J. S. Bains, *India's International Disputes*; J. V. Bondurant, *Conquest of Violence: The Gandhian Philosophy of Conflict*; R. N. Berkes and M. S. Bedi, *Diplomacy of India*; M. Brecher, *Nehru, a Political Biography*; C. A. Fisher, *South-East Asia: A Social, Economic and Political Geography*; A. Lamb, *The China-India Border*; Neville Maxwell, *India's China War*; K. Satchidananda Murty, *Indian Foreign Policy*; J. Nehru, *An Autobiography*; J. Nehru, *The Discovery of India*; J. Nehru, *Speeches* (various edns., but especially the single-volume collection, 1947-1961); Lok Sabha Secretariat, *Foreign Policy of India*, Texts of Documents, 1947-1959; T. G. P. Spear, *India: A Modern History*.

(g) WEST GERMANY: H. Speier (Ed.), *West German Leadership and Foreign Policy*; R. Hiscocks, *Democracy in Western Germany*; A. Grosser, *Western Germany*; K. Deutsch and L. Edinger, *Germany Rejoins the Powers*; G. Freund, *Germany between Two Worlds*; H. Plessner, *Die verspätete Nation*.

(h) 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*; A. Lijphart, *The Trauma of Decolonization: The Dutch and West New Guinea*; G. Modelski (Ed.), *The New Emerging Forces*; A. C. Brackman, *Southeast Asia's Second Front*; D. E. Weatherbee, *Ideology in Indonesia: Sukarno's Indonesian Revolution*; F. B. Weinstein, *Indonesia Abandons Confrontation*.

## 583(ii) Sino-American Relations

Mr Kalicki. Five lectures, Summer Term.

For undergraduate and graduate students interested.

**Syllabus** China and the West; the clash of values. The traditional modes of Sino-American relations. The crisis mode of Sino-American relations. China, the United States and the international system.

**Recommended reading** J. K. Fairbank, *The United States and China* (1958 edn.); H. Feis, *The China Tangle: The American Efforts in China from Pearl Harbor to the Marshall Mission*; Fred Greene, *U.S. Policy and the Security of Asia*; A. W. Griswold, *The Far Eastern Policy of the United States*; Richard Harris, *America and East Asia: A New 30 Years War?*; A. Huck, *The Security of China: Chinese Approaches to Problems of War and Strategy*; G. F. Kennan, *American Diplomacy, 1900-1950*; Ssu-yü Teng and J. K. Fairbank (Eds.), *China's Response to the West: A Documentary Survey 1839-1923*; A. T. Steele, *The American People and China*; A. S. Whiting, *China Crosses the Yalu: The Decision to Enter the Korean War*.

## 584 New States in World Politics

Dr Lyon. Fifteen lectures, Michaelmas and Lent Terms.

For B.Sc. (Econ.) Part II: *International Politics*, XII 4; XIV 3b; XV 5 and 6g (second year); M.Sc.: *International Politics*, XI 1; 2 (xi), (xii); *Foreign Policy Analysis*, XI 2 (i) and other graduate students.

**Syllabus** The central theme of the course will be the part played by new states in international order. Modern international history presents three main waves of new state making and these have each been consequent upon the collapse of imperial orders: (1) in Latin America in the early nineteenth century; (2) in Eastern Europe at the end of the First World War and in its aftermath; (3) in Asia and Africa, and elsewhere, since 1945. This course will mostly be concerned with the third of these phases, but it will begin by looking

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briefly at the two earlier phases to provide a historical perspective and some bases for comparison.

**Recommended reading** C. E. Black, *The Dynamics of Modernization, A Study in Comparative History*; P. Calvocoressi, *New States and World Order*; K. W. Deutsch and W. S. Foltz (Eds.), *Nation-Building*; S. E. Finer, *The Man on Horseback*; S. Huntington, "Political Development and Political Decay" (*World Politics*, April 1965); P. H. Lyon, *Neutrality*; F. R. von der Merden, *Politics of Developing Nations*; J. D. B. Miller, *The Politics of the Third World*; W. C. McWilliams, *Garrisons and Government, Politics and the Military in New States*; D. Rustow, *A World of Nations*; D. Apter, *The Politics of Modernization*; G. H. Jansen, *Afro-Asia and Non-Alignment*; E. Kedourie, *Nationalism*.

## 585 The International Relations of Southern Asia

Dr Leifer. Ten lectures, Lent Term.

For M.Sc.: *International Politics*; Asia and the Pacific XI 2 (xi) and other graduate students.

**Syllabus** Regional conventions and political realities. World order and regional order. Transfers of power and problems of international status. Great powers' interests and sponsorship: (i) Communist ideas and practice (ii) The American alliance system. Asian responses: alignments and non-alignment. Irredenta, ideology and intraregional conflicts. Internal war and external intervention. National security and intraregional association.

**Recommended reading** M. Brecher, *The New States of Asia*; G. Myrdal, *Asian Drama*, Vol. I; D. E. Kennedy, *The Security of Southern Asia*; C. B. McLane, *Soviet Strategies in S.E. Asia*; H. C. Hinton, *Communist China in World Politics*; R.I.I.A., *Collective Defence in S.E. Asia*; G. Modelski (Ed.), *SEATO: Six Studies*; F. Greene, *U.S. Policy and The Security of Asia*; B. K. Gordon, *The Dimensions of Conflict in S.E. Asia*; W. Levi, *The Challenge of World Politics in South and Southeast Asia*; P. H. Lyon,

*War and Peace in S.E. Asia*; G. H. Jansen, *Afro-Asia and Non-Alignment*; A. Lamb, *Asian Frontiers*.

## 586 The Great Powers and the Middle East

Dr Hirszowicz. Five lectures, Summer Term.

For undergraduate and graduate students interested.

**Syllabus** A survey and analysis of the contemporary significance of the Middle East within a context of great power relations. Concentration upon basic great power interests and relations in the area and upon the interplay between Middle East domestic and international politics.

**Recommended reading** will be given at the beginning of the course.

## 587 International Institutions

Miss Strange, Mr James and Dr Leifer. Seventeen lectures, Michaelmas and Lent Terms.

For B.Sc. (Econ.) Part II: *International Institutions*, XII 6 (second and third years); VIII 3c; XIV 8a (third year); M.Sc.: *International Institutions*, XI 2 (ii) and other graduate students.

**Syllabus** The place of international institutions, both quasi-universal (e.g. the League of Nations and the United Nations) and regional, in the international political system and in the foreign policies of their members. The growth and forms of international institutional co-operation: association, co-ordination and integration. Collective security and the balance of power. The development of international "peace-keeping" forces. Factors making for cohesion and disintegration in regional diplomatic systems and in military alliances. The role of international economic institutions in international trade and economic development. The policy-making role of international secretariats.

**Recommended reading** J. Larus (Ed.), *From Collective Security to Preventive Diplomacy*; I. L. Claude, *Swords into Plowshares*; F. H. Hinsley, *Power and the Pursuit of Peace*; W. Schiffer, *The Legal Community of Mankind*; I. L. Claude,

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*Power and International Relations*; F. P. Walters, *A History of the League of Nations*; A. E. Zimmern, *The League of Nations and the Rule of Law, 1918-1935* (2nd edn., 1939); A. J. Mayer, *The New Diplomacy*; S. D. Kertesz and M. A. Fitzsimons (Eds.), *Diplomacy in a Changing World*; F. C. Iklé, *How Nations Negotiate*; H. Nicolson, *Evolution of Diplomatic Method*; R. Emerson, *From Empire to Nation*; A. Wolfers, *Discord and Collaboration*; G. L. Goodwin, *Britain and the United Nations*; H. G. Nicholas, *The United Nations as a Political Institution*; L. M. Goodrich and E. Hambro, *Charter of the United Nations: Commentary and Documents* (2nd edn., 1949); R. Higgins, *The Development of International Law through the Political Organs of the United Nations*; R. N. Gardner, *Sterling-Dollar Diplomacy*; B. Tew, *International Monetary Co-operation* (8th edn.); M. Kaser, *Comecon*; A. James, *The Politics of Peacekeeping*; R. Gardner and M. Millikan, *The Global Partnership*; A. Shonfield, *The Attack on World Poverty*; H. A. G. Van Meerhaeghe, *International Economic Institutions*; R. E. Osgood, *NATO, The Entangling Alliance*; E. B. Haas, *The Uniting of Europe*; L. N. Lindberg, *The Political Dynamics of European Economic Integration*; and the relevant constitutional documents.

### 587(a) International Institutions (Class)

Members of the department.

(i) Fifteen Classes, Michaelmas and Lent Terms.

For B.Sc. (Econ.) Part II: *International Institutions*, VIII 3c; XII 6; XIV 8a (third year).

(ii) Fifteen classes, Lent and Summer Terms.

For B.Sc. (Econ.) Part II: *International Institutions*, XII 6 (second year).

### 588 Theories of International Institutional Co-operation

Mr Taylor. Ten lectures, Lent and Summer Terms.

For M.Sc.: *International Institutions*, XI 2 (ii); *European Institutions*, XI 2 (iii); and other graduate and undergraduate students interested.

**Syllabus** An examination of the major theories about the origins, shape and purpose of international institutions in international society. Theories linking the tasks of international institutions with the problems of world order: international integration, sovereignty and community building; multilateral diplomacy, peaceful change and the compatibility of state interests.

**Recommended reading** A. Etzioni, *Political Unification: A Comparative Study of Leaders and Forces*; E. B. Haas, *Beyond the Nation State*; J. P. Sewell, *Functionalism and World Politics*; G. Myrdal, *Beyond the Welfare State*; W. Foote, *Dag Hammarskjöld: Servant of Peace*; C. W. Jenks, *The Common Law of Mankind*; K. Deutsch, *Political Community in the North Atlantic Area*; G. Clark and L. Sohn, *World Peace through World Law*.

### 589 The Politics of Western European Integration

Mr Taylor. Ten lectures, Michaelmas Term.

For B.Sc. (Econ.) Part II: *International Institutions*, VIII 3c; XII 6; XIV 8a (third year); M.Sc.: *European Institutions*, XI 2 (iii) and other graduate students interested.

**Syllabus** The emergence of the European Community: 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 supra-nationality. The Federalist, the Confederalist and the Functionalist approaches to the integration of the Six. European security and European integration.

**Recommended reading** M. Beloff, *Europe and the Europeans*; *Europe Unites: The Story of the Campaign for European Unity*;

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C. Grove Haines (Ed.), *European Integration*; Political and Economic Planning, *European Unity*; M. Camps, *Britain and the European Economic Community*; M. Camps, *European Unification in the Sixties: From the Veto to the Crisis*; J. Deniau, *The Common Market*; L. N. Lindberg and S. Scheingold, *Europe's Would-Be Polity*; U. W. Kitzinger, *The Challenge of the Common Market*; W. Pickles, *Not With Europe; How Much Has Changed?*; S. Holt, *The Common Market*; A. Spinelli, *The Eurocrats*; J. Newhouse, *Collision in Brussels: the Common Market Crisis of 30 June 1965*; S. Bodenheimer, *Political Union: a Microcosm of European Politics*.

### 590 International Communism

Mr G. H. Stern. Fifteen lectures, Michaelmas and Lent Terms.

For B.Sc. (Econ.) Part II: *International Institutions*, VIII 3c; XII 6; XIV 8a (third year); M.Sc.: *International Institutions*, XI 2 (ii); *International Politics: The Communist Powers*, XI 2 (x) and other graduate students interested.

**Syllabus** International implications of the Bolshevik Revolution of 1917. The development of Communist Parties, factions and fronts in Europe, Asia, the Middle East 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 these organizations in the achievement of their presumed goals. The Sino-Soviet dispute and the emergence of polycentrism in the Communist world.

**Recommended reading** F. Borkenau, *World Communism*; Z. K. Brzezinski, *The Soviet Bloc*; E. H. Carr, *German-Soviet Relations between the Two World Wars, 1919-1939*; W. C. Clemens, *The Arms Race and Sino-Soviet Relations*; J. Degras (Ed.), *The Communist International 1919-1943: Documents*, Vols. I, II and III; I. Deutscher, *Stalin*; K. Grzybowski, *The Socialist Commonwealth of Nations*; M. Kaser, *Comecon*; J. H. Kautsky, *Communism and the Politics of Development*; G. F. Kennan, *Russia*

*and the West under Lenin and Stalin*; R. Loewenthal, *World Communism: the Disintegration of a Secular Faith*; R. H. McNeal (Ed.), *International Relations Among Communists*; S. Schram, *The Political Thought of Mao Tse-tung*; G. H. N. Seton-Watson, *The Pattern of Communist Revolution*; R. F. Staar, *The Communist Regimes in Eastern Europe*; G. H. Stern, *Fifty Years of Communism*; D. W. Treadgold (Ed.), *Soviet and Chinese Communism: Similarities and Differences*; G. Wint, *Communist China's Crusade*.

### 591 Sovereignty

Mr James. Five lectures, Lent Term.

For second and third-year undergraduate and graduate students.

**Syllabus** An examination of the uses and implications of the concept of sovereignty as applied to the state in its international aspect.

**Recommended reading** will be given during the course.

**Note** Courses 592-604 are designed primarily for those taking the options indicated, but they are open to all students taking the special subject International Relations in Part II of the B.Sc. (Econ.) degree as well as to M.Sc. and other graduate students.

### 592 The Politics of International Economic Relations

Mr Donelan and Mr Mayall. Ten lectures, Michaelmas Term.

For B.Sc. (Econ.) Part II: *The Politics of International Economic Relations*, XII 7 and 8b (third year); M.Sc.: *International Politics and The Politics of International Economic Relations*, XI 1 and 2 (v) and other graduate students interested.

**Syllabus** An analysis of (i) the sources and organization of national economic power; (ii) the economic factor in the formulation of foreign policy; (iii) the use of economic power as an instrument of

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foreign policy; (iv) the growth of the international economy: its political implications; (v) economic nationalism and regionalism in the international economy; (vi) problems of political control of the contemporary international economy; (vii) proposals for world trade and monetary reform and the problem of institutional change.

**Recommended reading** C. P. Kindleberger, *Power and Money*; J. A. Hobson, *Imperialism* (3rd edn.); E. Staley, *War and the Private Investor*; D. K. Fieldhouse, *The Theory of Capitalist Imperialism*; K. Polanyi, *Origins of our Time*; H. W. Arndt, *The Economic Lessons of the Nineteen-Thirties*; B. H. Klein, *Germany's Economic Preparations for War*; D. Vital, *The Inequality of States*; H. G. Aubrey, *Coexistence: Economic Challenge and Response*; B. Shwadran, *The Middle East, Oil and the Great Powers*; Yuan-Li Wu, *Economic Warfare*; I. M. D. Little and J. M. Clifford, *International Aid*; G. Curzon, *Multilateral Commercial Diplomacy*; M. Goldman, *Soviet Foreign Aid*; H. J. Johnson, *Economic Policies towards Less Developed Countries*; Anthony Harrison, *The Framework of Economic Activity*; V. L. Galbraith, *World Trade in Transition*; S. Dell, *Trade Blocs and Common Markets*; B. Tew, *World Monetary Co-operation*.

### 592(a) The Economic Factor in International Relations (Class)

Mr Donelan and Mr Mayall. Lent Term.

For B.Sc. (Econ.) Part II: *The Politics of International Economic Relations*, XII 7 and 8b (third year).

### 593 Contemporary Strategic Problems

Mr Windsor. Fifteen lectures, Michaelmas and Lent Terms.

For B.Sc. (Econ.) Part II: *Strategic Studies*, XII 7 and 8c (third year); M.Sc.: *Strategic Studies*, XI 2 (vii) and other graduate students interested.

**Syllabus** Developments in military technology since 1945 and their impact on

strategic thinking. Elements of continuity and elements of change in thinking about the conduct of war. The development of military doctrine in the United States, the Soviet Union and Western Europe. The idea of deterrence. The idea of limited war. The military problems of alliances. Revolutionary and guerrilla warfare. The theory of disarmament and arms control negotiations, the historical experience of arms control systems and problems of the working of arms control systems.

**Recommended reading** A. Buchan, *War in Modern Society*; L. Beaton, *The Struggle for Peace*; B. Brodie, *Strategy in the Missile Age*; E. M. Earle (Ed.), *Makers of Modern Strategy*; M. Howard, "War as an Instrument of Policy" in H. Butterfield and M. Wight (Eds.), *Diplomatic Investigations*; R. Aron, *On War*; B. Liddell Hart, *Strategy: The Indirect Approach; Deterrence or Defence*; H. Kissinger, *Nuclear Weapons and Foreign Policy; The Necessity for Choice; Problems of National Strategy; NATO: The Troubled Partnership*; T. C. Schelling, *Arms and Influence; The Strategy of Conflict*; T. C. Schelling and M. H. Halperin, *Strategy and Arms Control*; M. H. Halperin, *Limited War in the Nuclear Age*; H. Bull, *The Control of the Arms Race*; L. Beaton, *Must the Bomb Spread?; The Western Alliance and the McNamara Doctrine*; A. Herzog, *The War-Peace Establishment*; K. Von Clausewitz, *War, Politics and Power*; P. Paret and J. W. Shy, *Guerillas in the 1960s*; A. Buchan (Ed.), *Problems of Modern Strategy*.

### 593(a) The Strategic Aspects of International Relations (Class)

Mr Windsor. Lent Term.

For B.Sc. (Econ.) Part II: *Strategic Studies*, XII 7 and 8c (third year).

### 593(b) Contemporary Developments in Strategic Thought (Class)

Professor Martin (King's College). Lent and Summer Terms.

For M.Sc.: *Strategic Studies* XI 2 (vii) and M.A. War Studies.

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### 594 War and Crisis in International Relations

Dr C. M. Bell. Ten lectures, Michaelmas Term.

For M.Sc.: *International Politics*, XI 1; *Strategic Studies*, XI 2 (vii); *War and Crisis in International Politics*, XI 2 (viii); M.A. War Studies and other undergraduate and graduate students interested.

**Syllabus** This course will examine the causes and the occasions of war, the nature and management of international crises, diplomacy during hostilities, efforts at the control and prevention of war, and the effects of war on the society of states.

**Recommended reading** H. Kahn, *On Escalation*; K. Waltz, *Man, the State and War*; Q. Wright, *A Study of War*; J. W. Spanier and J. L. Noguee, *The Politics of Disarmament*; H. S. Dinerstein, *War and the Soviet Union*; S. J. Deitchman, *Limited War and American Defense Policy*; D. Bobrow, *Components of Defence Policy*; H. Kissinger, *The Necessity for Choice*; D. J. Hekhuis, C. C. McClintock and A. L. Burns, *International Stability*; J. U. Nef, *War and Human Progress*; R. Higgins, *Conflicts of Interest*; T. Schelling, *Strategy of Conflict*; R. Aron, *Peace and War Among Nations*; R. Tucker, *The Just War*.

### 595 Strategic Policies of the Great Powers since the Second World War

Professor Martin (King's College). Michaelmas and Lent Terms.

For M.Sc.: *Strategic Studies*, XI 2 (vii) and other graduate students interested.

**Syllabus** The reorganization of the U.S. armed forces after 1945. The Atomic Energy Act, 1946, and the National Security Act, 1947. Inter-service conflicts over rearmament 1947-1950. The United States and the defence of Western Europe from 1949. The Korean War and its impact on U.S. defence policy. "The New Look", 1953, and the consequent controversies over organization and doctrine. The reorientation of policy under McNamara, 1960.

**Recommended reading** will be given at the beginning of the course.

### 596 Civil-Military Relations

Dr Mendl (King's College). Ten lectures, Lent and Summer Terms.

For M.Sc.: *Strategic Studies*, XI 2 (vii) and other graduate students interested.

**Syllabus** The study of civil-military relations as a political and social problem, constitutional questions arising out of the relationship of the armed forces to the civil power, structure of defence organization and defence expenditure and the national economy.

**Recommended reading** will be given at the beginning of the course.

### 596(a) Civil-Military Relations (Class)

Dr Mendl (King's College). Lent and Summer Terms.

For M.Sc.: *Strategic Studies*, XI 2 (vii).

### 597 The Changing Commonwealth

The Rt. Hon. George Thomson. Ten lectures, Summer Term.

Optional for B.Sc. (Econ.) Part II: *International Institutions*, VIII 3c; XII 6; XIV 8a (second year); M.Sc.: *International Politics*, XI 1; *International Institutions*, XI 2 (ii) and other undergraduate and graduate students interested.

**Syllabus** From Empire to Commonwealth. The new Commonwealth. The age of federations: experiments in Nigeria, Central Africa, the Caribbean and Malaysia. The wind of change in Africa. Rhodesian U.D.I. and its aftermath. Nigerian civil war. The South African problem. The changing British military role in the Commonwealth. The outlook for remaining dependent territories. Commonwealth and Common Market. Possible future developments.

**Recommended reading** will be given at the beginning of the course.

### 598 Theories of International Behaviour

Mr Banks. Ten lectures, Michaelmas Term.

For B.Sc. (Econ.) Part II: special subject

## International Relations

International Relations particularly for *Theories of International Politics*, XII 7 and 8a (second year); M.Sc.: *International Theory*, XI 2 (iv) and for other undergraduate and graduate students interested.

**Syllabus** Recent trends and developments in the study of international relations and associated disciplines. Problems of methodology and epistemology. The systems perspective and attempts to apply it to world society. Normative approaches to world society: peace research and the growth of future studies. Policy formation and execution: values, images and perception, decision making, communication, adjustment. Attempts to apply operational concepts to the study of politics at the national, cross-national and international levels. Empirical research techniques and findings: aggregate data analysis, computer simulation, small-group research, ethological research, content analysis.

**Recommended reading** M. Barkun, *Law Without Sanctions*; R. A. Bauer and K. J. Gergen (Eds.), *The Study of Policy Formation*; P. M. Blau, *Exchange and Power in Social Life*; J. W. Burton, *Systems, States, Diplomacy and Rules*; K. W. Deutsch, *The Analysis of International Relations*; E. B. Haas, *Beyond the Nation-State*; M. A. Kaplan (Ed.), *New Approaches to International Relations*; H. C. Kelman (Ed.), *International Behavior*; W. J. M. Mackenzie, *Politics and Social Science*; C. A. McClelland, *Theory and the International System*; E. J. Meehan, *The Theory and Method of Political Analysis*; J. H. de Rivera, *The Psychological Dimension of Foreign Policy*; D. G. Pruitt and R. C. Snyder (Eds.), *Theory and Research on the Causes of War*; J. Raser, *Simulation and Society*; J. N. Rosenau (Ed.), *International Politics and Foreign Policy* (2nd edn.); *Linkage Politics*; B. M. Russett et al., *World Handbook of Political and Social Indicators*; J. D. Singer (Ed.), *Quantitative International Politics*; R. C. Snyder et al. (Eds.), *Foreign Policy Decision Making*; O. R. Young, *Systems of Political Science*. Also articles in *International Studies Quarterly*; *General Systems Yearbook*; *Journal of Conflict Resolution*.

## 599 Theories of International Politics

Professor Goodwin. Ten lectures, Michaelmas Term.

For B.Sc. (Econ.) Part II: *Theories of International Politics*, XII 7 and 8a (third year); M.Sc.: *International Theory*, XI 2 (iv) and other undergraduate and graduate students interested.

**Syllabus** The principal theories concerning international politics, considered by way of a discussion of both the classical and contemporary writings.

**Recommended reading** R. Aron, *Peace and War, A Theory of International Relations*; H. Butterfield and Martin Wight (Eds.), *Diplomatic Investigations*; J. L. Brierly, *The Basis of Obligation in International Law*; E. H. Carr, *The Twenty Years' Crisis*; K. Deutsch, *International Relations*; R. E. Osgood and R. W. Tucker, *Force, Order and Justice*; S. H. Hoffmann, *The State of War*; S. H. Hoffmann (Ed.), *Contemporary Theory in International Relations*; F. Meinecke, *Machiavellism, the Doctrine of Raison d'Etat and Its Place in Modern History*; K. N. Waltz, *Man, The State and War*. A. L. Burns, *Of Powers and their Policies*; K. Norr and J. N. Rosenau (Eds.), *Contending Approaches to International Politics*; W. Schiffer, *The Legal Community of Mankind*.

## 599(a) Theories of International Politics (Class)

Professor Goodwin and Mr Banks. Lent Term.

For B.Sc. (Econ.) Part II: *Theories of International Politics*, XII 7 and 8a (third year).

## 600 Conflict Theory and Analysis

Mr Sims. Ten lectures, Michaelmas Term.

For undergraduate and graduate students interested, particularly for B.Sc. (Econ.) Part II: *Theories of International Politics*, XII 7 and 8a (third year); M.Sc.: *International Theory*, XI 2 (iv).

**Syllabus** Types of conflict theory; origins,

## International Relations

incidence, correlates, dynamics and outcomes of international conflict; rank-disequilibrium theory and perceptual distortion. Special theories of conflict; neutrality, neutralism, third-party intermediaries; international frontier conflict. Methods of analysis and research; problems in the application of theory to contemporary conflict processes. Functions of conflict in international relations.

**Recommended reading** M. Barkun, *Law Without Sanctions*; K. E. Boulding, *Conflict and Defence*; J. W. Burton, *Conflict and Communication*; *Systems, States, Diplomacy and Rules*; J. D. Carthy and F. J. Ebling (Eds.), *The Natural History of Aggression*; L. A. Coser, *The Functions of Social Conflict*; *Continuities in the Study of Social Conflict*; H. C. Kelman (Ed.), *International Behaviour*; L. Kriesberg (Ed.), *Social Processes in International Relations*; E. Luard, *Conflict and Peace in the Modern International System*; P. H. Lyon, *Neutralism*; E. B. McNeil (Ed.), *The Nature of Human Conflict*; T. Mathisen, *Research in International Relations*; M. B. Nicholson, *Conflict Analysis*; R. C. Ogle, *The Theory and Practice of Neutrality in the Twentieth Century*; N. Ørvik, *The Decline of Neutrality*; T. H. Pear (Ed.), *Psychological Factors of Peace and War*; D. G. Pruitt and R. C. Snyder (Eds.), *Theory and Research on the Causes of War*; M. Sherif, *Group Conflict and Co-operation*; N. A. Sims, *Neutralism and International Conflict*; J. D. Singer (Ed.), *Human Behaviour and International Politics*; Q. Wright, *A Study of War*; O. R. Young, *The Intermediaries*. Also articles in *Journal of Conflict Resolution* (Ann Arbor); *Journal of Peace Research* (Oslo); *Proceedings of the International Peace Research Association*.

## 601 Philosophical Aspects of International Relations

Professor Manning. Five or more lectures, Michaelmas Term.

For B.Sc. (Econ.) Part II: *Theories of International Politics*, XII 7 and 8a (second year); M.Sc.: *International Theory*, XI 2 (iv); *An Approved Subject*:

*Philosophical Aspects of International Relations*, XI 2 (xiii) and other students interested.

**Recommended reading** J. L. Brierly, *The Basis of Obligation in International Law*; K. Boulding, *The Image*; E. H. Carr, *The Twenty Years' Crisis*; B. de Jouvenel, *On Power*; W. T. R. Fox (Ed.), *Theoretical Aspects of International Relations*; G. L. Goodwin, *The University Teaching of International Relations*; F. Gross, *Foreign Policy Analysis*; S. H. Hoffman, *Contemporary Theory in International Relations*; M. A. Kaplan and N. de B. Katzenbach, *The Political Foundations of International Law*; P. Laslett (Ed.), *Philosophy, Politics, and Society* (1st edn.); C. A. W. Manning, *The Nature of International Society*; T. Mathisen, *Methodology of the Study of International Relations*; F. Meinecke, *Machiavellism*; J. Plamenatz, *On Alien Rule and Self-Government*; K. Popper, *The Poverty of Historicism*; J. N. Rosenau, *International Relations and Foreign Policy*; K. Waltz, *Man, The State, and War*; R. Sterling, *Ethics in a World of Power*; T. D. Weldon, *The Vocabulary of Politics*; P. Winch, *The Idea of a Social Science*.

## 602 Psychological Aspects of International Relations

Professor Northedge. Ten lectures, Lent and Summer Terms, beginning in the sixth week of the Lent Term.

For B.Sc. (Econ.) Part II: *Theories of International Politics*, XII 7 and 8a (second year); M.Sc.: *International Theory*, XI 2 (iv); *An Approved Subject: Psychological Aspects of International Relations*, XI 2 (xiii) and other students interested.

**Syllabus** An examination of the more important psychological factors affecting the mutual relations of modern States. Consideration will be given to: non-rational elements in political belief and behaviour; the formation of political ideas and the interested control of public opinion; the emotional functions of nationalism and other collective symbols of international bearing; communal traditions, sentiment and prejudice; national attitudes and character and methods of their study; ideological forces

## International Relations

in policy-making; propaganda and psychological warfare; psychological factors in inter-state conflict.

**Recommended reading** M. and C. W. Sherif, *An Outline of Social Psychology*; I. L. Horowitz, *Radicalism and the Revolt against Reason*; R. Crawshaw-Williams, *The Comforts of Unreason*; E. Hoffer, *The True Believer*; G. A. Almond, *The Appeals of Communism*; F. C. Barghoorn, *The Soviet Cultural Offensive*; L. M. Fraser, *Propaganda*; J. C. Clews, *Communist Propaganda Techniques*; E. Fromm, *The Fear of Freedom*; B. C. Shafer, *Nationalism: Myth and Reality*; H. Kohn, *Prophets and Peoples*; D. Lerner, *Sykeswar*; N. Berdyaev, *The Russian Idea*; W. Röpke, *The German Question*; B. Schaffner, *Fatherland*; K. Z. Lorenz, *On Aggression*; R. Niebuhr, *The Irony of American History*; R. Benedict, *Race and Racism*; A. K. Weinberg, *Manifest Destiny*; J. H. de Rivera, *The Psychological Dimension of Foreign Policy*.

### 603 The Sociology of International Law

Mr James. Ten lectures, Michaelmas Term.

For B.Sc. (Econ.) Part II: *Sociology of International Law*, XII 7 and 8d (third year); M.Sc.: *The Politics of International Law*, XI 2 (vi) and other interested undergraduate and graduate students.

**Syllabus** The purpose of this course is to examine the role of international law in international society. The topics which will be considered are: power and international law; peaceful change; the sources of international law; the international judicial process; the legal status of international law; the relevance of the concept of "the rule of law"; sanctions and international law; the United Nations and international law; ideology and international law; law and order in international society.

**Recommended reading** J. L. Brierly, *The Basis of Obligation in International Law and Other Papers*; *The Outlook for International Law*; P. E. Corbett, *Law in Diplomacy*; H. L. A. Hart, *The Concept of Law*; M. A. Kaplan and N. de B. Katzenbach, *The Political Foundations of*

*International Law*; A. Nussbaum, *A Concise History of the Law of Nations* (2nd edn.); C. N. Ronning, *Law and Politics in Inter-American Diplomacy*; G. Schwarzenberger, *The Frontiers of International Law*; *The Inductive Approach to International Law*; O. J. Lissitzyn, *International Law Today and Tomorrow*; J. Stone, *Aggression and World Order*; *Quest for Survival*; C. de Visscher, *Theory and Reality in Public International Law*; Q. Wright, *The Role of International Law in the Elimination of War*; W. Friedmann, *The Changing Structure of International Law*; L. Henkin, *How Nations Behave*; R. A. Falk and S. H. Mendlovitz (Eds.), *The Strategy of World Order*, Vol. II; W. D. Coplin, *The Functions of International Law*; B. Landheer, *On the Sociology of International Law and International Society*.

### 603(a) The Sociology of International Law (Class)

Mr James. Lent Term.

For B.Sc. (Econ.) Part II: *Sociology of International Law*, XII 7 and 8d (third year).

### 604 Imperialism

Mr E. A. Roberts. Ten lectures, Michaelmas Term.

For B.Sc. (Econ.) Part II: *International Politics*, XII 4; XIV 3b; XV 5 and 6g (second year); M.Sc.: *International Politics*, XI 1; *An Approved Subject: Imperialism*, XI 2 (xiii) and other undergraduate and graduate students interested.

**Syllabus** Empires and imperialism as a factor in international politics, particularly in the nineteenth and twentieth centuries. The various concepts attached to the words "empire" and "imperialism". The various attempts, Marxist, neo-Marxist and others, to explain the causes of imperialism. Security problems and their interrelationship with empires. The ideological bases of imperialism. Patterns of imperial control and anti-imperial struggle. The dissolution of empires, and the concept of "neo-colonialism". The future of imperialism. Imperialism as a "single-factor" explanation of international politics.

## International Relations

**Recommended reading** Shlomo Avineri (Ed.), *Karl Marx on Colonialism and Modernization*; C. A. Bodelsen, *Studies in Mid-Victorian Imperialism*; C. Cross, *The Fall of the British Empire*; S. C. Easton, *The Rise and Fall of Western Colonialism*; H. E. Egerton, *A Short History of British Colonial Policy*; H. Gollwitzer, *Europe in the Age of Imperialism*; E. J. Hobsbawm, *Industry and Empire*; J. A. Hobson, *Imperialism: A Study*; T. Kemp, *Theories of Imperialism*; V. G. Kiernan, *The Lords of Human Kind*; R. Koebner and H. D. Schmidt, *Imperialism: The Story and Significance of a Political Word*; V. I. Lenin, *Imperialism, The Highest Stage of Capitalism*; H. Magdoff, *The Age of Imperialism*; R. E. Robinson and J. Gallagher, *Africa and the Victorians*; J. A. Schumpeter, *Imperialism and Social Classes*; B. Semmel, *Imperialism and Social Reform*; G. H. N. Seton-Watson, *The New Imperialism*; L. L. Snyder (Ed.), *The Imperialism Reader*; A. P. Thornton, *Doctrines of Imperialism*; E. M. Winslow, *The Pattern of Imperialism*.

### 605 Disarmament and Arms Limitation

Mr E. A. Roberts and Mr Sims. Ten lectures, Lent Term.

For undergraduate and graduate students interested.

**Syllabus** Disarmament theories and their international behavioural assumptions; history of disarmament attempts and negotiations; limitations of negotiations; problems of verification and control; forced and voluntary unilateral disarmament; different concepts of the disarmed state. Theory and practice of arms control; nuclear proliferation and its control; the seabed. Public opinion and other non-governmental influences on disarmament and arms control policies; institutional framework of policy formation and international negotiation.

**Recommended reading** R. J. Barnett and R. A. Falk (Eds.), *Security in Disarmament*; L. Beaton, *Must the Bomb Spread?*; L. Beaton and J. Maddox, *The Spread of Nuclear Weapons*; B. G. Bechhoefer, *Postwar Negotiations for Arms*

*Control*; D. G. Brennan (Ed.), *Arms Control, Disarmament, and National Security*; A. Buchan (Ed.), *A World of Nuclear Powers?*; H. Bull, *The Control of the Arms Race*; A. Carter (Ed.), *Unilateral Disarmament*; G. Fischer, *La Non-Prolifération des Armes Nucléaires*; J. Garnett (Ed.), *Theories of Peace and Security*; A. Gotlieb, *Disarmament and International Law*; J. Klein, *L'Entreprise du Désarmement depuis 1945*; E. Luard, *Conflict and Peace in the Modern International System*; E. Luard (Ed.), *First Steps to Disarmament*; P. J. Noel-Baker, *The Arms Race*; H. A. Nutting, *Disarmament: An Outline of the Negotiations*; C. E. Osgood, *An Alternative to War or Surrender*; Stockholm International Peace Research Institute, *SIPRI Yearbook of World Armaments and Disarmament*; United Nations, *The United Nations and Disarmament, 1945-1965*; Michael Wright, *Disarm and Verify*; E. Young, *The Control of Proliferation*.

### 606 Resistance in International Conflict

Mr E. A. Roberts. Six lectures, Michaelmas Term.

For B.Sc. (Econ.) Part II: *Strategic Studies*, XII 7 and 8c (third year); M.Sc.: *Strategic Studies*, XI 2 (vii) and other undergraduate and graduate students interested.

**Syllabus** Forms of resistance, both violent and non-violent, concentrating particularly on anti-colonial movements and struggles against foreign occupation. European uses of guerilla and civil resistance. Nationalist struggles and internal divisions in India, Vietnam, Cyprus etc. The effect of resistance on domestic politics and on international relations generally. Theories of resistance.

**Recommended reading** J. V. Bondurant, *Conquest of Violence*; C. von Clausewitz, *On War*; E. Guevara, *Guerilla Warfare*; Mao Tse-tung, *Collected Works*; F. M. Osanka (Ed.), *Modern Guerilla Warfare*; P. Paret and J. W. Shy, *Guerillas in the 1960s*; A. Roberts (Ed.), *Civilian Resistance as a National Defence*; M. Q. Sibley (Ed.),

*International Relations*

*The Quiet Battle*; G. K. Tanham,  
*Communist Revolutionary Warfare.*

**607 Current Issues in International Relations (Seminar)**

Professor Northedge and Mr Sims.  
Lent and Summer Terms.

For interested students.

A weekly discussion on the current diplomatic scene and the issues it raises for the academic student of international relations.

**SEMINARS FOR M.Sc. AND OTHER GRADUATE STUDENTS**

**608 Research Methods**

Professor Northedge. Michaelmas Term.

For all first-year M.Phil., and Ph.D. students in International Relations.

**609 International Politics**

Professor Northedge and Mr G. H. Stern. Michaelmas Term.

For M.Sc.: *International Politics*, XI 1 and other first-year graduate students.

**610 Foreign Policy Analysis**

Mr Donelan. Lent Term.

For M.Sc.: *Foreign Policy Analysis*, XI 2 (i).

**611 National Attitudes and Foreign Policy**

Professor Northedge and Dr Tint. Five seminars, Lent Term.

For M.Sc.: *Foreign Policy Analysis*, XI 2 (i) and other graduate students. Also open to third-year undergraduates.

**612 International Institutions**

Mr James. Michaelmas Term.

For M.Sc.: *International Institutions*, XI 2 (ii).

**613 European Studies**

Professor Goodwin, Mr Windsor and Mr Taylor. Sessional. Jointly with Chatham House.

For staff and graduate students by invitation.

**614 European Institutions**

Mr Taylor. Lent and Summer Terms.

For M.Sc.: *European Institutions*, XI 2 (iii). Also recommended for M.Sc.: *International Institutions*, XI 2 (ii) and other graduate students.

**615 The International Relations of the Western Powers**

Professor Northedge. Lent Term.

For M.Sc.: *International Politics: The Western Powers*, XI 2 (ix) and other graduate students.

**616 The Politics of International Economic Relations**

Mr Donelan and Mr Mayall. Lent Term.

For M.Sc.: *The Politics of International Economic Relations*, XI 2 (v) and other graduate students.

**617 The Politics of International Economic Institutions**

Miss Strange. Lent Term.

For M.Sc.: *International Institutions*, XI 2 (ii) and other graduate students.

**618 International Politics: The Communist Powers**

Mr G. H. Stern. Lent and Summer Terms.

For M.Sc.: *International Politics: The Communist Powers*, XI 2 (x) and other graduate students.

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**619 The Politics of International Law**

Mr James. Lent Term.

For M.Sc.: *The Politics of International Law*, XI 2 (vi) and other graduate students.

**620 Asia and the Pacific in International Relations**

Dr C. M. Bell and Dr Leifer. Lent and Summer Terms.

For M.Sc.: *International Politics: Asia and the Pacific*, XI 2 (xi) and other graduate students.

**621 Foreign Relations of African States**

Mr Panter-Brick and Mr Mayall. Lent Term.

For M.Sc. *International Politics: Africa and the Middle East* XI 2 (xii); M.A. Area Studies—Africa, and other graduate students.

**622 Africa and World Politics**

Mr Mayall. Fortnightly, Summer Term.

For staff and research students by invitation.

**623 International Politics of the Middle East**

Dr Hirszowicz. Summer Term.

For M.Sc. *International Politics: Africa and the Middle East*, XI 2 (xii) and other graduate students.

**624 Strategic Studies**

Professor Martin, Dr Mendl and Mr Windsor. Sessional. This course will not be given in the session 1971–72.

For M.Sc.: *Strategic Studies*, XI 2 (vii) and other graduate students.

**625 War and Crisis in International Relations**

Dr C. M. Bell and Mr E. A. Roberts. Lent Term.

For M.Sc.: *Strategic Studies* XI 2 (vii); *War and Crisis in International Politics*, XI 2 (viii) and other graduate students.

**626 War as a Social Requirement**

Mr Windsor and Mr Mayall. Summer Term.

For staff and graduate students.

**627 Resistance in International Conflict**

Mr E. A. Roberts. Lent Term.

For M.Sc.: *Strategic Studies*, XI 2 (vii) and other graduate students. Also open to third-year undergraduates.

**628 Conflict Studies and Peace Research**

Mr Banks and Mr Sims. Sessional beginning in the sixth week of the Michaelmas Term.

For M.Sc.: *An Approved Subject: Conflict and Peace Research*, XI 2 (xiii) and other students by invitation.

**629 The Place of International Business Corporations in the International System**

Miss Strange. Lent Term.

For staff and graduate students by invitation.

**630 Theories of International Politics**

Professor Goodwin, Mr Banks and Mr Taylor. Lent and Summer Terms.

For staff and M.Sc.: *International Theory*, XI 2 (iv); *International Institutions*, XI 2 (ii); *European Institutions*, XI 2 (iii); and other graduate students.



*International Relations*

**Note** The attention of graduate students is drawn to the following related course:

**556 International Politics of Africa**

*Reference should also be made to the following sections and courses:*

**Economics (International Economics Courses)**

**International History**

**No. 449 International Law**

**No. 466 Law of International Institutions**

**No. 467 Law of European Institutions**

*Anthropology*

*(1) General*

**448 Introduction to Social Anthropology**

Professor Lewis Twenty-four lectures, Semesters I and II.

**Sociological Studies**

**449 Introduction to Social Anthropology**  
Professor Lewis Twenty-four lectures, Semesters I and II.

**450 Introduction to Social Anthropology**  
Professor Lewis Twenty-four lectures, Semesters I and II.

**451 Foreign Relations of Africa**  
Mr. Furtak-Buck and Mr. Mayall  
Last Term.

**452 Africa and World Trends**  
Mr. Mayall, Fortnightly, Summer Term.

**453 The Role of International Organizations**  
Miss Strang, Last Term.

**454 Strategic Studies**  
Professor Martin, Last Term.

**455 The Role of International Organizations**  
Miss Strang, Last Term.

**456 The Role of International Organizations**  
Miss Strang, Last Term.

**457 The Role of International Organizations**  
Miss Strang, Last Term.

**458 The Role of International Organizations**  
Miss Strang, Last Term.

**459 The Role of International Organizations**  
Miss Strang, Last Term.

**460 The Role of International Organizations**  
Miss Strang, Last Term.

**461 The Role of International Organizations**  
Miss Strang, Last Term.

**462 The Role of International Organizations**  
Miss Strang, Last Term.

**463 The Role of International Organizations**  
Miss Strang, Last Term.

**464 The Role of International Organizations**  
Miss Strang, Last Term.

**465 The Role of International Organizations**  
Miss Strang, Last Term.

**466 The Role of International Organizations**  
Miss Strang, Last Term.

**467 The Role of International Organizations**  
Miss Strang, Last Term.

**468 The Role of International Organizations**  
Miss Strang, Last Term.

**469 The Role of International Organizations**  
Miss Strang, Last Term.

**470 The Role of International Organizations**  
Miss Strang, Last Term.

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**472 The Role of International Organizations**  
Miss Strang, Last Term.

**473 The Role of International Organizations**  
Miss Strang, Last Term.

**474 The Role of International Organizations**  
Miss Strang, Last Term.

**475 The Role of International Organizations**  
Miss Strang, Last Term.

**476 The Role of International Organizations**  
Miss Strang, Last Term.

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## Anthropology

### (i) General

#### 640 Introduction to Social Anthropology

Professor Lewis. Twenty-five lectures, Sessional.

For B.Sc. (Soc. Anth.) Part I; B.Sc. (Soc.) (first year); B.Sc. (Econ.) Part I: alternative subject 9, *Principles and Methods of Social Anthropology*; B.Sc. (Geog.) C 1; B.Sc. (Soc. Psych.) students taking Soc. Anth. as 1 or  $\frac{1}{2}$  unit; Dip. Soc. Anth. (first year); Dip. Soc. Admin., Overseas Option only (one year); graduate students taking qualifying examinations; B.Sc. (Econ.) Part II: *Social Aspects of Political and Economic Development*, VI 8k; *Economic and Political Systems*, XV 5 and 6h (second year).

**Syllabus** The scope of social anthropology and its links with other subjects; different ways of understanding social institutions; race and culture. Characteristics of tribal religious beliefs and rituals (witchcraft, cosmology, rituals). Environmental resources and their utilisation in tribal economies. Family, marriage and kinship organization; unilineal and non-unilineal descent. Politics and social control; centralised and decentralised tribal government; the settlement of disputes.

**Essential reading** L. P. Mair, *An Introduction to Social Anthropology*; B. Malinowski, *Argonauts of the Western Pacific*; A. R. Radcliffe-Brown and C. D. Forde (Eds.), *African Systems of Kinship and Marriage*; I. M. Lewis, *A Pastoral Democracy*; L. P. Mair, *Primitive Government*; N. A. Chagnon, *Yanomamö the Fierce People*; M. Gluckman, *Politics, Law and Ritual in Tribal Society*; E. E. Evans-Pritchard, *Witchcraft, Oracles, and Magic among the Azande*; R. Fox, *Kinship and Marriage*.

#### 640(a) Classes

In connection with Course No. 640.  
For B.Sc. (Soc. Anth.) Part I; B.Sc.

(Geog.) C 1; B.Sc. (Soc. Psych.) students taking Soc. Anth. as 1 unit.

#### 641 Man, Race and Culture

Mr McKnight, Dr Woodburn and others. Twenty lectures. Michaelmas and Lent Terms.

For B.Sc. (Soc. Anth.) Part I; B.Sc. (Geog.) C 2.

**Syllabus** An outline of human evolution in the context of the study of animal (especially primate) social behaviour. The nature, origin and development of culture. The significance of racial differences. Introduction to human ecology.

**Recommended reading** will be given during the course.

#### 641(a) Classes

In connection with Course No. 641.  
For B.Sc. (Soc. Anth.) Part I; B.Sc. (Geog.) C 2.

#### 642 Outlines of Ethnography

Mr Loizos and other members of the department. Twenty lectures, Michaelmas and Lent Terms.

For B.Sc. (Soc. Anth.) Part I; B.Sc. (Econ.) Part II (second year): special subject Social Anthropology; B.Sc. (Geog.) C 3; Dip. Soc. Anth. (first year). Optional for B.Sc. (Econ.) Part I: alternative subject 9, *Principles and Methods of Social Anthropology*.

**Syllabus** The course will offer an introduction to cultural history and ethnography selected from several culture areas—the Mediterranean, Latin America and Malayo-Polynesia. A number of ethnographies will be considered in detail because of their intrinsic value and by way of example.

**Recommended reading** will be given during the course.

#### 642(a) Classes

In connection with Course No. 642.  
For B.Sc. (Soc. Anth.) Part I; B.Sc. (Geog.) C 3.

## Anthropology

### 643 Family and Kinship

Dr H. S. Morris and Mr Forge. Twenty lectures, Michaelmas and Lent Terms.

For B.Sc. (Soc. Anth.) Part II; B.Sc. (Econ.) Part II; special subject Social Anthropology (second and third years); Dip. Soc. Anth. (first year); graduate students taking qualifying examinations.

**Syllabus** The analysis of institutions of kinship, marriage and the family.

**Essential reading** R. Fox, *Kinship and Marriage*, and relevant parts of the following (as indicated during the course): P. Bohannan and J. Middleton (Eds.), *Kinship and Social Organisation; Marriage, Family and Residence*; I. R. Buchler and H. A. Selby, *Kinship and Social Organisation*; M. Fortes, *Kinship and the Social Order*; M. Fortes (Ed.), *Marriage in Tribal Societies (Cambridge Papers in Social Anthropology, No. 3)*; J. Goody (Ed.), *The Developmental Cycle in Domestic Groups (Cambridge Papers in Social Anthropology, No. 1)*; E. R. Leach, *Rethinking Anthropology*; C. Lévi-Strauss, *The Elementary Structures of Kinship*; A. R. Radcliffe-Brown and C. D. Forde (Eds.), *African Systems of Kinship and Marriage*.

Further reading will be given during the course.

### 643(a) Classes

In connection with Course No. 643.

For B.Sc. (Soc. Anth.) Part II.

### 644(i) Economic Institutions

Dr Bloch. Ten lectures, Michaelmas Term.

For B.Sc. (Soc. Anth.) Part II; B.Sc. (Econ.) Part II: special subject Social Anthropology (second and third years); *Economic and Political Systems*, XV 5 and 6h (third year); B.Sc. (Soc. Psych.) (second year); Dip. Soc. Anth. (second year); graduate students taking qualifying examinations.

**Syllabus** The aim of these lectures is to examine the cultural framework of different economic systems and the

working of these systems. The reaction of these systems to technological change will also be examined. Topics discussed will include: economic relations as part of social relations; economics and ritual; economic structure and kinship structure; land tenure; trade, exchange and markets; the transition from subsistence to cash economies; systems of saving and credit.

**Essential reading** R. Firth, *Primitive Polynesian Economy*; E. E. Le Clair and H. K. Schneider (Eds.), *Economic Anthropology*; H. C. Conklin, *Hanunóo Agriculture*; J. Goody, *Death, Property and the Ancestors*; J. M. Potter, M. N. Diaz and G. M. Foster, *Peasant Society*; P. Hill, *The Migrant Cocoa-Farmer in S. Ghana*; R. F. Salisbury, *From Stone to Steel*; R. Firth, *Malay Fishermen: their Peasant Economy*; R. F. Salisbury, *Vunumami*; R. Firth (Ed.), *Themes in Economic Anthropology*.

### 644(ii) Political Anthropology

Mr Loizos. Ten lectures, Lent Term.

For B.Sc. (Soc. Anth.) Part II; B.Sc. (Econ.) Part II: special subject Social Anthropology (second and third years); *Economic and Political Systems*, XV 5 and 6h (third year); B.Sc. (Soc. Psych.) (second year); Dip. Soc. Anth. (first year); graduate students taking qualifying examinations.

**Syllabus** Political organization and political community; order and social control in non-centralised societies; power and sanctions; stratification and centralised power; patronage, networks, factions; plural society; political field and process.

**Essential reading** L. P. Mair, *Primitive Government*; D. Easton, "Political Anthropology" in B. J. Siegel (Ed.), *Biennial Review of Anthropology, 1959*; F. Barth, *Political Leadership among Swat Pathans*; M. J. Swartz, V. W. Turner and A. Tuden (Eds.), *Political Anthropology*; W. J. M. Mackenzie, *Politics and Social Science*; F. Bailey, *Stratagems and Spoils*; G. Balandier, *Political Anthropology*; E. R. Leach, *Political Systems of Highland Burma*;

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J. Goody, *Technology, Tradition and The State in Africa*; A. Cohen, *Custom and Politics in Urban Africa*.

### 644(a) Classes

In connection with Courses Nos. 644(i) and 644(ii).

For B.Sc. (Soc. Anth.) Part II; B.Sc. (Soc. Psych.) (second year).

### 645 Magic, Religion and Morals

Professor Pitt-Rivers and Mr McKnight. Twenty lectures, Michaelmas and Lent Terms.

For B.Sc. (Soc. Anth.) Part III; B.Sc. (Econ.) Part II: special subject Social Anthropology (second and third years), Dip. Soc. Anth. (second year); graduate students taking qualifying examinations.

**Syllabus** Development of the anthropological study of religion, magic and morals. Ritual and symbolism. Sacrifice; magic; witchcraft; cargo and similar cults; spirit mediumship; totemism; divination; ancestor worship. Religion and the structure of society. Religion and morals.

**Essential reading** H. F. Hertz, *Death and the Right Hand*; E. E. Evans-Pritchard, *Nuer Religion*; G. Lienhardt, *Divinity and Experience*; H. Hubert and M. Mauss, *Sacrifice: its Nature and Function*; J. Middleton (Ed.), *Gods and Rituals: Readings in Religious Beliefs and Practices*; I. M. Lewis, *Ecstatic Religion*; M. Douglas, *Purity and Danger*; C. Lévi-Strauss, *Totemism; La pensée sauvage (The Savage Mind)*; E. Durkheim, *The Elementary Forms of the Religious Life*; V. Turner, *The Forest of Symbols*. Further reading will be suggested during the course.

### 645(a) Classes

In connection with Course No. 645.

For B.Sc. (Soc. Anth.) Part III.

### 646 Advanced Ethnography

Dr H. S. Morris and other members of the department. Ten lectures, Michaelmas Term.

For B.Sc. (Soc. Anth.) Part III, 3a;

B.Sc. (Econ.) Part II: special subject Social Anthropology (second and third years); Dip. Soc. Anth. (second year); graduate students taking qualifying examinations.

**Syllabus** A set of monographs dealing with a range of primitive and other non-industrial societies, considered in detail.

**Essential reading** N. O. Yalman, *Under the Bo Tree*; A. L. Epstein (Ed.), *The Craft of Social Anthropology*; M. Fortes, *The Dynamics of Clanship among the Tallensi*; *The Web of Kinship among the Tallensi*; *Oedipus and Job in West African Religion*; H. W. Scheffler, *Choiseul Island Social Structure*.

Additional reading will be given during the course.

**Note** For B.Sc. (Soc. Anth.) Part III 3a this course will constitute part of the work, the other part being Course No. 651, Lent Term.

### 646(a) Classes

In connection with Course No. 646.

For B.Sc. (Soc. Anth.) Part III, 3a.

**647(i) Anthropological Linguistics: Introduction to General Linguistics** Twenty-five lectures. Sessional.

For B.Sc. (Soc. Anth.) Part III, 3b. Optional for Dip. Soc. Anth. (second year). This course will be taught in the Department of Language Studies. (See Course No. 360.)

**647(ii) Anthropological Linguistics: Linguistics and Anthropological Problems**

Dr Woodburn and others. Ten lectures, Lent Term.

For B.Sc. (Soc. Anth.) Part III, 3b. Optional for Dip. Soc. Anth. (second year).

**Syllabus** A general survey of the ways in which linguistics may contribute to the solution of anthropological problems.

**Essential reading** Relevant parts of the following works will be indicated during

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the course: J. A. Fishman, *Readings in the Sociology of Language*; J. Goody (Ed.), *Literacy in Traditional Societies*; J. J. Gumperz and D. Hymes (Eds.), *The Ethnography of Communication (American Anthropologist Special Publication, 1964)*; E. A. Hammel (Ed.), *Formal Semantic Analysis (American Anthropologist Special Publication, 1965)*; D. Hymes (Ed.), *Language in Culture and Society*; C. Lévi-Strauss, *Structural Anthropology*; A. K. Romney and R. G. D'Andrade (Eds.), *Transcultural Studies in Cognition (American Anthropologist Special Publication, 1964)*; S. A. Tyler (Ed.), *Cognitive Anthropology*.

Further reading will be given during the course.

### 647(a) Classes

In connection with Courses Nos. 647(i) and 647(ii).

For B.Sc. (Soc. Anth.) Part III, 3 b. Optional for Dip. Soc. Anth. (second year).

### 648 Primitive Art

Mr Forge. Twenty lectures, Michaelmas and Lent Terms.

For B.Sc. (Soc. Anth.) Part III, 3c. Optional for B.Sc. (Econ.) Part II: special subject Social Anthropology (third year); Dip. Soc. Anth. (second year).

**Syllabus** The functions of art in society, and more particularly its relationship to ritual. The position of the artist and his role in non-literate societies. Criticism, judgment and aesthetics will be considered in their social and cultural contexts. Various approaches will be discussed, but particular attention will be paid to the analysis of art as a symbolic system and its relations with cosmology and other verbal and non-verbal symbolic systems of the society. Concentration will be on the plastic arts and architecture from various parts of the world; there will be no attempt at an exhaustive coverage.

**Essential reading** E. H. Gombrich, *Art and Illusion*; R. Arnheim, *Art and Visual Perception*; E. Panofsky, *Meaning in the Visual Arts*; C. Lévi-Strauss, *The Savage*

*Mind*; V. Turner, *The Forest of Symbols*; A. A. Gerbrands, *Wow-iptis*; R. Berndt (Ed.), *Australian Aboriginal Art*; C. F. Jopling (Ed.), *Art and Aesthetics in Primitive Societies*; A. and M. Strathern, *Self Decoration in Moun Hagen*; R. Brain and A. Pollock, *Bangwa Funerary Sculpture*.

### 648(a) Classes

Twenty classes, Michaelmas and Lent Terms.

In connection with Course No. 648.

For B.Sc. (Soc. Anth.) Part III, 3c. Optional for Dip. Soc. Anth. (second year).

### 649(i) Advanced Theory of Social Anthropology: History of Social Anthropology

Dr H. S. Morris. Ten lectures, Michaelmas Term.

For B.Sc. (Soc. Anth.) Part III; B.Sc. (Econ.) Part II: special subject Social Anthropology (second and third years); Dip. Soc. Anth. (second year); graduate students taking qualifying examinations.

**Syllabus** The nineteenth-century background of the development of "social anthropology". The early posing and rephrasing of problems in kinship, religion, politics, morals, law and economics. The development of methods. The state of the subject on the eve of the second World War.

**Essential reading** R. H. Lowie, *History of Ethnological Theory*; T. K. Penniman, *A Hundred Years of Anthropology*; A. R. Radcliffe-Brown, *Method in Social Anthropology* (Ed. M. N. Srinivas); E. E. Evans-Pritchard, *Social Anthropology*; Sol Tax, "From Laitau to Radcliffe-Brown: A Short History of the Study of Social Organization" in F. Eggan (Ed.), *Social Anthropology of North American Tribes* (enlarged edn.); D. G. MacRae, "Darwinism and the Social Sciences" in S. A. Barnett (Ed.), *A Century of Darwin*; F. C. Bartlett et al. (Eds.), *The Study of Society*, Part III; J. W. Burrow, *Evolution and Society*; M. Harris, *The Rise of Anthropological Theory*.

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### 649(ii) Advanced Theory of Social Anthropology: Selected Topics in Anthropological Theory

Dr Bloch. Ten lectures, Lent Term.

For B.Sc. (Soc. Anth.) Part III; B.Sc. (Econ.) Part II: special subject Social Anthropology (second and third years); Dip. Soc. Anth. (second year); graduate students taking qualifying examinations.

**Syllabus** Theories of social anthropology as they have been developed since the second World War.

**Essential reading** S. A. Tyler (Ed.), *Cognitive Anthropology*; F. Barth, *Models of Social Organization*; C. Lévi-Strauss, *The Savage Mind*; R. Firth, *Essays on Social Organization and Values*; C. Lévi-Strauss, *The Scope of Social Anthropology*; R. A. Manners and D. Kaplan, *Theory in Anthropology*; P. Winch, *The Idea of a Social Science*; R. Needham, *Structure and Sentiment*.

### 649(a) Classes

In connection with Courses Nos. 649(i) and 649(ii).

For B.Sc. (Soc. Anth.) Part III.

### 650 Social Anthropology (Classes) Sessional.

For B.A./B.Sc. (Soc.), Branch I, 9 and 10h; B.Sc. (Econ.) Part I: alternative subject *Principles and Methods of Social Anthropology*; B.Sc. (Econ.) Part II: special subject Social Anthropology; B.Sc. Soc. Psych. students taking Soc. Anth. as a  $\frac{1}{2}$  unit.

### (ii) Regional

#### 651 Ethnography of the Mediterranean Area

Mr Loizos and Dr Cutileiro. Ten lectures, Lent Term.

For B.Sc. (Soc. Anth.) Part III, 3a; B.Sc. (Econ.) Part II: special subject Social Anthropology (second and third

years); Dip. Soc. Anth. (Special Area: Mediterranean) (first year).

**Syllabus** Through the discussion of recent ethnographies key topics in the Mediterranean area will be analysed, including marriage, social stratification, patronage values and community-nation relationships.

**Essential reading** \*J. A. Pitt-Rivers, *The People of the Sierra*; J. Campbell, *Honour, Family and Patronage*; J. F. Boissevain, *Saints and Fireworks: Religion and Politics in Rural Malta*; A. Cohen, *Arab Border-Villages in Israel*; E. Marx, *Bedouin of the Negev*; \*E. Gellner, *Saints of the Atlas*; J. Cutileiro, *A Portuguese Rural Society*; E. E. Evans-Pritchard, *The Sanusi of Cyrenaica*; J. Waterbury, *The Commander of the Faithful: The Moroccan Political Elite*; W. O. Douglass, *Death in Murelaga*.

**Note** The books marked with an asterisk above will constitute the basic material for part of the work in the course unit Advanced Ethnography (Course No. 646).

Teaching may be available by arrangement at either University College or the School of Oriental and African Studies for the following ethnographic areas: East Africa, West Africa, India, South-East Asia, Melanesia.

### 651(a) Classes

In connection with Course No. 651.

For B.Sc. (Soc. Anth.) Part III, 3a; B.Sc. (Econ.) Part II: special subject Social Anthropology (second and third years); Dip. Soc. Anth. (special area: Mediterranean).

### (iii) Applied

#### 652 Anthropological Approaches to Social Change

Mrs Sommerfelt. Ten lectures, Michaelmas Term.

For B.Sc. (Econ.) Part II: *Social Aspects of Political and Economic Development*,

## Anthropology

VI 8k (third year); XIII 2b (second and third years); optional for B.A./B.Sc. (Soc.) Branch III, 7b (third year); Special Course for Overseas Administrators; Dip. Soc. Admin., Overseas Option only (one-year); Dip. Soc. Anth. (second year); Dip. Development Admin.

**Syllabus** A review of anthropological contributions to the study of social change, primarily in ex-colonial and developing countries. The effects of political, economic and technological intrusions, colonial and post-colonial, into tribal and peasant societies, especially upon indigenous political, economic, religious and kinship systems.

**Essential reading** L. P. Mair, *Anthropology and Social Change; New Nations*; P. Worsley, *The Third World*; P. C. Lloyd, *Africa in Social Change*; A. Southall (Ed.), *Social Change in Modern Africa*; I. M. Lewis (Ed.), *History and Social Anthropology*; C. Belshaw, *Traditional Exchange and Modern Markets*; P. H. Gulliver (Ed.), *Tradition and Transition in East Africa*; R. Firth and B. S. Yamey (Eds.), *Capital, Saving and Credit in Peasant Societies*.

Other reading will be suggested in the course of the lectures.

### 652(a) Applied Anthropology and Social Development in Low-Income Countries

Mrs Sommerfelt. Twenty Classes, Michaelmas and Lent Terms.

For B.Sc. (Econ.) Part II: *Social Aspects of Political and Economic Development*, VI 8k; XIII 2b (third year); Dip. Soc. Anth. (second year); Dip. Soc. Admin. Overseas Option only (one year).

**Syllabus** Class work will centre upon the study of a number of specific monographs illustrating general issues, and some time may be given to a consideration of practical implications.

**Recommended reading** will be given during the course.

### (iv) Special

#### 653 A Programme of Ethnographic Films

Dr Woodburn. Sessional.

For all students, undergraduate and graduate, taking Anthropology as any part of their course.

#### 654(i) The Sociology of Space

Dr Cutileiro. Five lectures, Lent Term.

#### 654(ii) The Study of Symbolism in New Guinea.

Mr Gell. Five lectures, Lent Term.

#### 654(iii) Kinship Among the Australian Aborigines.

Mr McKnight. Five lectures, Summer Term.

## FOR GRADUATE STUDENTS

### 655 Seminar on Anthropological Theory

Professor Lewis and other members of the department. Sessional.

For senior graduate students. Admission by permission of Professor Lewis. This seminar is not open to students taking qualifying examinations.

### 656 Seminar on Current Anthropological Themes

Mr McKnight, Dr Cutileiro and Professor Pitt-Rivers. Michaelmas and Lent Terms.

For first- and second-year graduate students. Admission by permission.

### 657 Thesis-Writing Seminar

Dr H. S. Morris and other members of the department. Sessional.

For all graduate students other than first-

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year Diploma students and those taking qualifying examinations.

### 658 Regional Seminars

Seminars on the anthropological study of (i) Asia (ii) Melanesia and (iii) Africa may be arranged.

### 659 Teaching Seminar

Dr Bloch. Sessional.

For first-year Diploma students and graduate students taking qualifying examinations.

*Reference should also be made to the following courses:*

No. 369 **Language and Society (Seminar)**

No. 558 **Politics in Africa (Seminar)**

No. 876 **Sociology of Islam (Seminar)**

### Intercollegiate Seminar for Staff and Senior Graduate Students: The Anthropology of Oratory

Chairman: Dr Bloch  
Summer Term. At L.S.E.

Admission by permission of Seminar Chairman.

## Demography

### 680 Introduction to Demography

Mr Carrier. Twenty lectures and twenty classes, Michaelmas and Lent Terms.

For B.Sc. (Econ.) Part II: *Demography II*, X 7 and 8b; XI 5, 6 and 7f; B.Sc. (Maths.): *Demography II*, 5-8j (second year); Dip. Stats., 5.

**Syllabus** Sources and reliability of population statistics. Development of censuses and vital statistics. The interpretation of population statistics. The analysis of mortality, nuptiality and fertility.

**Recommended reading** GENERAL: A. M. Carr-Saunders, *World Population*; F. Lorimer and F. Osborn, *Dynamics of Population*; Royal Commission on Population, *Report* (Cmd. 7695); J. J. Spengler and O. D. Duncan (Eds.), *Population Theory and Policy: Selected Readings*; P.E.P., *World Population and Resources*.

**METHODS**: D. V. Glass, *Population Policies and Movements in Europe* (Appendix); I. Dublin, A. J. Lotka and M. Spiegelman, *Length of Life*; A. B. Hill, *Principles of Medical Statistics*; M. Spiegelman, *Introduction to Demography*; U.K. Royal Commission on Population, *Selected Papers of the Statistics Committee*; J. J. Spengler and O. D. Duncan (Eds.), *Demographic Analysis: Selected Readings*; G. W. Barclay, *Techniques of Population Analysis*.

**SOURCES**: The General Reports of the various Censuses of England and Wales; The Registrar-General, *Statistical Review of England and Wales*; United Nations, *Demographic Yearbook*; United Kingdom, Interdepartmental Committee on Social and Economic Research, Guides to Official Sources, No. 2, *Census Reports of Great Britain, 1801-1931*; P. R. Cox, *Demography*; S.S.R.C., *The Population Census*.

References to articles and works of specialised interest will be given in the lectures.

### 681 Mathematics of Population Growth

Mr Carrier. Ten lectures, Michaelmas Term.

For B.Sc. (Econ.) Part II: *Demography II*, X 7 and 8b; XI 5, 6 and 7f; B.Sc. (Maths.): *Demography II*, 5-8j (third year); Dip. Stats., 5; optional for M.Sc.: *Demography II*, III 2. Recommended for other graduate students.

Students will be expected to have attended Course No. 680 Introduction to Demography, and to possess some knowledge of the calculus and of linear algebra.

**Syllabus** A study of certain aspects of stationary and stable populations with practical applications. Application of matrix algebra.

**Recommended reading** E. C. Rhodes, "Population Mathematics" (*Journal of the Royal Statistical Society*, 1940); United Nations Bureau of Social Affairs, *Population Studies*, No. 22, *Age and Sex Patterns of Mortality*; No. 25, *Methods of Population Projections by Sex and Age*; No. 26, *The Aging of Populations and its Economic and Social Implications*; N. Keyfitz, *Introduction to the Mathematics of Population*.

Detailed references will be given as the course proceeds.

### 682 Elements of Demographic Analysis I

Mr Langford and Dr Thapar. Twenty hours, Lent Term.

For B.Sc. (Econ.) Part II: *Demography I*, IX 8a; B.A./B.Sc. (Soc.) Branch I, 9 and 10e (second year); B.Sc. (Geog.) C 251.

**Syllabus** Sources and reliability of population statistics. The life table and its applications. Simple techniques of population projection. Cohort analysis. The study of mortality, nuptiality and fertility. The effect of vital rates on age structure and population growth.

**Recommended reading** GENERAL: A. M. Carr-Saunders, *World Population*; Royal Commission on Population, *Report* (Cmd. 7695); P.E.P., *World Population and Resources*.

**METHODS AND SOURCES**: G. W. Barclay,

## Demography

*Techniques of Population Analysis*; P. R. Cox, *Demography*; B. Benjamin, *Health and Vital Statistics*; Interdepartmental Committee on Social and Economic Research, Guides to Official Sources, No. 2, *Census Reports of Great Britain 1801-1931*; Census 1951, England and Wales, *General Report*; Census 1961, Great Britain, *General Report*; General Register Office, *Matters of Life and Death*; *Statistical Review of England and Wales* (especially the *Commentary* volumes of recent years); United Nations, *Demographic Yearbook* (especially the introductory text of successive volumes). Further references will be given in the lectures.

### 683 Elements of Demographic Analysis II

Mr Langford and Dr Thapar. Ten hours, Lent Term.

For B.Sc. (Econ.) Part II: *Demography I*, IX 8a; B.A./B.Sc. (Soc.) Branch I, 9 and 10e (third year); B.Sc. (Geog.) C 251.

### 684 Population Trends and Policies

Professor Glass. Ten lectures, Michaelmas Term.

For B.Sc. (Econ.) Part II: *Demography I*, IX 8a; *Demography II*, X 7 and 8b; XI 5, 6 and 7f; B.A./B.Sc. (Soc.) Branch I, 9 and 10e; B.Sc. (Maths.): *Demography II*, 5-8j (second year); B.Sc. (Geog.) C 251; M.Sc.: *Demography I*, III 1; Dip. Stats., 5; Dip. Development Admin. Recommended for other graduate students.

**Syllabus** The growth and distribution of world population since 1800. Historical trends and territorial differentials in mortality. The course and levels of fertility. International migration. The contemporary demographic situation. The development of the small family. Family size and socio-economic characteristics. Stages of demographic and industrial development. The demographic problems of underdeveloped territories. Population theory and policy.

A reading list will be given at the first lecture in the course.

### 684(a) Population Trends and Policies Class

Professor Glass. Michaelmas Term.

For B.Sc. (Econ.) Part II: *Demography I*, IX 8a; B.A./B.Sc. (Soc.) Branch I, 9 and 10e (second and third years); B.Sc. (Geog.) C 251. Optional for B.Sc. (Econ.) Part II: *Demography II*, X 7 and 8b; XI 5, 6 and 7f; B.Sc. (Maths.): *Demography II*, 5-8j (second and third years); Dip. Stats., 5.

### 685 Mathematical Techniques for the Manipulation and Analysis of Demographic Data

Mr Carrier. Ten lectures of two hours each, Lent Term.

For B.Sc. (Econ.) Part II: *Demography II*, X 7 and 8b; XI 5, 6 and 7f; B.Sc. (Maths.): *Demography II*, 5-8j (third year); Dip. Stats., 5; optional for M.Sc.: *Demography II*, III 2. Other students will be admitted only by permission.

**Syllabus** Manipulation of data classified by age and similar variables. The measurement of infant mortality and fertility. Mathematical models.

Recommended reading will be given during the course.

### 686 Demography Revision Class

Mr Carrier. Five classes, Summer Term.

For B.Sc. (Econ.) Part II: *Demography II*, X 7 and 8b; XI 5, 6 and 7f; B.Sc. (Maths.): *Demography II*, 5-8j (third year); Dip. Stats.

## FOR GRADUATE STUDENTS

### 687 Formal Demography

Mr Hobcraft and Dr Thapar.

Twenty-five hours of lectures and classes, Michaelmas Term.

For M.Sc.: *Demography I* and *II*, III 1 and 2.

**Syllabus** The construction and use of life tables and other indices of mortality.

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The concepts of stationary and stable populations. The measurement of fertility and replacement.

### 688 The Collection and Analysis of Demographic Data on Under-developed Countries

Mr Brass and Mr Britton. Sixty hours, Sessional.

For M.Sc.: *Demography I* and *II*, III 1 and 2.

**Syllabus** The design of census-type inquiries. The content and design of census questionnaires. The structure of a census organization. Recruitment and training of field staff. Enumeration problems. The design of special inquiries for the determination of birth and death rates and of population growth. Processing techniques and problems. Analysis of age-sex distributions. Estimation of fertility and mortality rates from census and survey data. Use of model life tables and stable population models.

**Recommended reading** United Nations, *Handbook of Population Census Methods* (3 vols.); R. Blanc, *Manual of Demographic Research in Underdeveloped Countries*; U.N. Economic Commission for Africa, *Methods and Problems of African Population Censuses and Surveys, 1955-64*; Norma McArthur, *Introducing Population Statistics*; 1960 Population Census of Ghana, Volume V, *General Report*; Hong Kong, *Report of the Census, 1961* (3 vols.); United Nations, *Handbook of Vital Statistics Methods*; U.N. Economic Commission for Africa, *Methods and Problems of Civil Registration and Vital Statistics Collection in Africa*; United Nations, *Guanabara Demographic Pilot Survey*; International Population Conference, New York, 1961, Papers for Meeting 10; International Population Conference Ottawa, 1963, Papers for meeting on "Vital Statistics from Limited Data"; World Population Conference, Belgrade, 1965, Papers for Meeting B.6; U.N. Economic Commission for Africa, Papers for the *African Seminar on Vital Statistics* (1964) and for the *Working Group on Censuses of Population and Housing* (1965); W. Brass, papers in *Population Studies*, Vol. VII, No. 2,

Vol. VIII, No. 1, Vol. XIV, No. 2; C. A. L. Myburgh, Paper in *Population Studies*, Vol. X, No. 2; United Nations, *Manuals on Estimating Populations*.

### 689 The Detection and Reduction of Errors in Demographic Data

Mr Hobcraft. Thirty hours, Michaelmas and Lent Terms.

For M.Sc.: *Demography II*, III 2.

**Syllabus** Simple plausibility tests. Self-consistency and independent tests. The oblique axis ogive. The treatment of digital preference. Use of survivorship ratios. Under-enumeration at young ages and overstatement of age at old ages. Sex ratio tests. Testing birth and death registration. Application of stable and quasi-stable population models.

**Recommended reading** will be given during the course.

### 690 Population Trends and Policies (Seminar)

Professor Glass and others. Fortnightly, Sessional.

For M.Sc.: *Demography I*, III 1.

**Syllabus** Trends and patterns of mortality, marriage and fertility in both western and non-western societies.

### 691 Design and Analysis of Investigations relating to Fertility and Birth Control (Seminar)

Professor Glass, Mr Langford, Dr Thapar and others. Fortnightly, Lent and Summer Terms.

For M.Sc.: *Demography I*, III 1.

**Syllabus** Purpose and design of fertility surveys. The use of surveys in connection with the formulation and implementation of birth control programmes. Problems of questionnaire design in fertility and other demographic surveys.

### 692 Techniques of Demographic Analysis

Dr Thapar. Twenty-five hours, Lent and Summer Terms.

For M.Sc.: *Demography I*, III 1.

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**Syllabus** Examination, analysis and interpretation of data collected through censuses, vital registration and demographic surveys.

**Recommended reading** will be given during the course.

### 693 Social and Demographic Problems in Medicine

Dr Douglas and Mr Wadsworth. Five lectures, Michaelmas Term.

Seven lectures, Lent Term.

Five classes, Summer Term.

For M.Sc.: *Problems of Public Health and Sociomedical Research*, III 3(v) and other graduate students.

**Syllabus** Early studies of environment and health. The pattern of illness and growth related to demographic and social changes. High-risk groups in the population, problems of identification. Comparisons of the health of populations. Use of sociological methods in the study of disease. Introduction to sociological studies in medicine.

**Recommended reading** A. Bradford Hill, *Statistical Methods in Clinical and Preventive Medicine*; G. W. Brown and J. Wing, *Comparative Clinical and Social Survey of a Mental Hospital* (Soc. Rev. Monog. No. 5, Keele); F. M. Burnet, *Natural History of Infectious Disease*; N. R. Butler and D. G. Bonham, *Perinatal Mortality*; J. W. B. Douglas and J. M. Blomfield, *Children Under Five*; H. Eckstein, *English Health Service*; S. E. Finer, *Life and Times of Sir Edwin Chadwick*; T. McKeown, *Medicine in Modern Society*; J. N. Morris, *Uses of Epidemiology*; M. Rutter, *Children of Sick Parents*; M. W. Susser and W. Watson, *Sociology in Medicine*; J. M. Tanner, *Growth at Adolescence*; World Health Organization, *Trends in the Study of Morbidity and Mortality*; Rosemary Stevens, *Medical Practice in Modern England*; D. Mechanic, *Medical Sociology*; J. Bryant, *Health in the Developing Countries*; R. H. Stryock, *The Development of Modern Medicine*; J. Kosa, A. Antrovisky and I. Zola (Eds.), *Poverty and Health*; J. E. Meade and A. S. Parkes (Eds.), *Biological Aspects of Social Problems*.

## Psychology

### 695 Introduction to General and Social Psychology

Sections (i), (ii), (iii) and (iv) for B.Sc. (Soc. Psych.) (first year). Sections (i) and (iii) for B.Sc. (Econ.) Part I: alternative subject 10, *Introduction to Psychology*; Dip. Soc. Admin. incl. Overseas Option. (first year and one-year); B.A./B.Sc. (Soc.) Branches I, 5; III (first year); B.Sc. Geog. C 452. Selected lectures for B.Sc. (Econ.) Part II: *Social Psychology*, IX 8b (second year).

#### (i) Fundamentals of Psychology

Dr A. P. E. L. Sealy and Mrs Geber. Twenty-five lectures, Sessional.

**Syllabus** The genetic bases of behaviour; analysis of learned and unlearned patterns of behaviour in man and animals. Perceptual learning, concept formation and the process of categorisation. The development of intelligence and personality.

Interaction in small groups; dynamics of small group behaviour including leadership and decision making.

#### (ii) Context of Psychology

Mr Hotopf. Seven lectures, Lent Term.

**Syllabus** Relationship of psychology to other sciences. Its history seen in terms of its relation to philosophy, the social and natural sciences. Behaviourism *versus* introspectionism, a conceptual and methodological confrontation. The independent origin of Freudian theory. The unconscious. Later historical developments.

#### (iii) Socialisation

Professor Himmelweit. Five lectures, Lent Term.

**Syllabus** Socialisation as an adaptation of the individual to the values and norms of relevant groups. The process of socialisation: social learning, imitation,

modelling. Effectiveness of socialisation depending on timing (concept of stages, critical periods and incidents) as well as on past socialising experiences. Social class differences: effect of family, school, work, culture and Zeitgeist. Adult socialising experiences. Deviance.

#### (iv) Social Organization in Animals and Man

Dr A. P. E. L. Sealy and Mrs Geber. Five lectures, Summer Term.

**Recommended reading** will be given during the course.

**Syllabus** Comparative study of social organization; animal social behaviour including social dominance, territoriality, population adjustment.

### 695(a) Introduction to General and Social Psychology (Classes)

Fortnightly, Sessional.

For B.Sc. (Soc. Psych.) (first year).

### 695(b) Introduction to General and Social Psychology (Classes)

Fortnightly, Sessional.

For B.Sc. (Econ.) Part I: alternative subject 10, *Introduction to Psychology*; B.Sc. Geog. C 452.

### 695(c) Introduction to General and Social Psychology (Classes)

Fortnightly, Michaelmas and Lent Terms.

For B.Sc. (Econ.) Part II: *Social Psychology*, IX 8b (second year).

### 696 Foundations of Experimental Psychology

Mr Seaborne and Miss Stockdale. Twenty lectures, Michaelmas and Lent Terms.

For B.Sc. (Soc. Psych.) (first year).

**Syllabus** Processes of information intake, psychophysical judgment, signal detection,

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perceptual organization, selective attention. Conditions for the acquisition of learned behaviour: classical and instrumental conditioning, generalisation, discrimination and transfer of training. The role of incentives and motivation in learning, problems of reinforcement, reward schedules, brain mechanisms in reinforcement. Extinction and forgetting, interference theories, autonomous changes in memory, short-term memory. Development of learning capacity, learning sets, critical learning periods. Social learning, observational learning, social reinforcers.

**Recommended reading** will be given during the course.

### 696(a) Foundations of Experimental Psychology (Laboratory Sessions)

Mr Seaborne and Miss Stockdale. Sessional.

### 697 Biological Foundations of Psychology

Professor Wolpert (Middlesex Hospital Medical School).

Twenty-five lectures, Sessional.

For B.Sc. (Soc. Psych.) (first year).

**Syllabus** Basic cell structure and function. Organization of tissues and elements of mammalian physiology and anatomy. Hormones. Reproduction. Neuronal properties and the structure and function of the nervous system including sense organs. The effect of drugs on the nervous system. Genetics: Mendelism, linkage, population and quantitative aspects.

### 697(a) Biological Foundations of Psychology (Laboratory Sessions)

Sessional.

### 698 Social Psychology: Cognition, Attitudes and Social Behaviour

Sections (i) and (ii) for B.Sc. (Soc. Psych.) (second year). Sections (i) and (iii) for B.Sc. (Econ.) Part II: *Social Psychology*, IX 8b; B.A./B.Sc. (Soc.) Branch I, 5 (third year); Branch III; B.Sc. (Soc. Anth.) Part II, 3d (second year); B.Sc. (Geog.) C 451: 1 course unit.

#### (i) Attitudes and Social Behaviour I

Mr A. D. Jones. Ten lectures, Michaelmas Term.

**Syllabus** The nature of attitudes. Cognitive, emotional and behavioural aspects of attitudes. The functional basis of attitude formation. Social processes of attitude elicitation. Stereotypes and prejudice attitudes. The basis of attitude measurement. The principle of consistency of attitudes.

#### (ii) Attitudes and Social Behaviour II

Mr A. D. Jones. Ten lectures, Lent Term.

**Syllabus** Consistency models of attitudes, beliefs and behaviour. Balance, dissonance and congruity. Information, persuasion and attitude change. Attitudes and conflict, decision making and group membership. Social comparisons process, equity and affiliation. Attitudes and group functioning, including leadership and power in groups, conformity, efficiency and satisfaction.

#### (iii) Psychological Approaches to the Study of Society

Mr A. D. Jones. Ten lectures, Lent Term.

**Syllabus** Personality and social behaviour. The processes of socialisation, personality traits and their relationship to racial conflict, economic organization and development. The relationship between cultural and social class characteristics and intelligence, perception and attitudes etc. Rules and behaviour in institutions. Selected topics from industrial psychology, mass media studies, exchange theory, interpersonal communication and group dynamics.

**Recommended reading** will be given during the course.

### 698(a) Social Psychology: Cognition and Attitudes (Classes)

Sessional.

For B.Sc. (Soc. Psych.) (second year).



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**698(b) Social Psychology: Cognition and Attitudes (Classes)**

Michaelmas and Lent Terms.

For B.Sc. (Econ.) Part II: *Social Psychology*, IX 8b; B.A./B.Sc. (Soc.) Branch I (third year).

**698(c) Social Psychology: Cognition and Attitudes (Classes)**

Michaelmas and Lent Terms.

For B.Sc. (Soc. Anth.) Part II 3d (second year); B.Sc. (Geog.) C 451.

**699 Assumptions and Methods of Social Psychological Research**

Members of the department.

Twenty-four lectures, Sessional.

For B.Sc. (Soc. Psych.) (second year).

**Syllabus** Measurement of personality, attitudes and cognition. Traditional attitude scaling methods; projective techniques; reliability and validity; introduction to multivariate statistics; measurement of cognitive structure. Survey research, questionnaire design and interviewing. Survey design; sampling; questionnaire wording; problems of bias and distortion in surveys; interview techniques. Problems in experimental social psychology. Simple and complex factorial designs; repeated measures designs; simulation and related methods; problems of experimenter bias and the use of deception in experimental procedures. Observation and analysis of group behaviour. Experience in handling Bales's and other techniques; content analysis.

**700(i) Psychological Statistics**

Miss Stockdale and other members of the department. Twenty-five lectures, Sessional.

For B.Sc. (Soc. Psych.) (second year).

**700(a) Classes**

Sessional, in connection with Course No. 700(i).

**700(ii) Further Techniques of Data Analysis**

Miss Stockdale. Ten lectures, Michaelmas Term.

For B.Sc. (Soc. Psych.) (third year); M.Sc.: Social Psychology and other graduates.

**701 Learning, Memory and Thinking**

Mr Seaborne and Miss Stockdale.

Twenty-five lectures, Sessional.

For B.Sc. (Soc. Psych.) (second year).

**Syllabus** The course will deal with recent studies of learning especially those concerned with complex behavioural processes such as social learning, changes in cognitive functioning with age, perceptual learning, language development and abnormal behaviour.

**701(a) Learning, Memory and Thinking (Classes)**

Fortnightly, Sessional.

**702 Personality, Motivation and Development I**

For B.Sc. (Soc. Psych.) (second year).

**(i) Personality and Motivation I**

Dr A. P. E. L. Sealy. Twenty lectures, Michaelmas and Lent Terms.

**Syllabus** Clinical *versus* statistical prediction in the study of personality; individual differences in personality as revealed by description, self-report, behaviour, physiological reactions and symptom clusters. Concepts of trait, type and dimension. Structure of personality and mechanics of ego defence. Ego and self; theories of human motivation and emotion.

**Recommended reading** I. Janis, R. Holt, I. Kagan and G. F. Mahl, *Personality*; S. Maddi, *Personality Theories: a Comparative Analysis*; C. Hall and G. Lindzey, *Theories of Personality*; C. Hall and G. Lindzey, *Theories of Personality: Readings*; G. W. Allport, *Pattern and Growth in Human Personality*; H. Eysenck, *The Structure of Human Personality*; R.

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Munroe, *Schools of Psychoanalytic Thought*; S. Freud, *New Introductory Lectures*; A. Freud, *The Ego and the Mechanisms of Defence*; P. Fraisse and J. Piaget, *Motivation, Emotion and Personality*; R. S. Lazarus and E. Opton (Eds.), *Personality*; C. N. Cofer and M. H. Appley, *Theories of Motivation*.

**(ii) Child Development I**

Mrs Geber. Twenty lectures, Michaelmas and Lent Terms.

**Syllabus** Physical and biological growth and maturation. Foetal and neonatal development. Social attachments; social and emotional development. The psychology of play. Cognitive growth and the development of intelligence. Theories of intelligence. Psychodynamic and learning theory, approaches to child development. Patterns of child rearing; family interaction and school and peer group effects on development. Adolescence, maturity and ageing.

**Recommended reading** P. Mussen, J. Kagan and J. Conger, *Child Development and Personality*; H. W. Maier, *Three Theories of Child Development*; J. H. Flavell, *The Developmental Psychology of Jean Piaget*; J. Bruner, R. R. Olver and P. M. Greenfield, *Studies in Cognitive Growth*; S. Isaacs, *Social Development in Young Children*; R. Sears, L. Rau and R. Alpert, *Identification and Child Rearing*; J. McV. Hunt, *Intelligence and Experience*; J. Bowlby, *Attachments and Loss*, Vol. 1.

Other reading will be given during the course.

**702(a) Personality, Motivation and Development (Classes)**

Sessional.

**703 Perception and Skill**

Mr Hotopf. Twenty-five lectures, Sessional.

For B.Sc. (Soc. Psych.) (second year).

**Syllabus** Perceptual organization. Constancies. Visual illusions. Frame of reference and set as organizing factors. Phoneme perception. Temporal relationships in perception.

Theories of perception: Gestalt, Hebb and information theory approaches. The characteristics of skilled behaviour. Control and adaptive system models of skill. Theories of attention. Anticipation, short-term storage and information-processing in skill. Reception and production of language. Motor theories of perception. Theories of pattern recognition.

**Recommended reading** INTRODUCTORY:

R. L. Gregory, *Eye and Brain*; J. E. Hochberg, *Perception*; G. A. Miller, E. Galanter and K. H. Pribram, *Plans and the Structure of Behaviour*; M. D. Vernon, *The Psychology of Perception*; A. Summerfield (Ed.), *Experimental Psychology (Brit. Med. Bull., 1964, XX)*; W. Koehler, *Gestalt Psychology*.  
TEXTBOOKS: P. M. Fitts and M. I. Posner, *Human Performance*; J. J. Gibson, *Perception of the Visual World*; D. O. Hebb, *The Organisation of Behaviour*; U. Neisser, *Cognitive Psychology*; M. D. Norman, *Memory and Attention*.  
FURTHER READING: E. A. Bilodeau (Ed.), *The Acquisition of Skill*; D. E. Broadbent, *Perception and Communication*; E. G. Boring, *Sensation and Perception in the History of Psychology*; W. N. Dember, *The Psychology of Perception*; C. W. Eriksen (Ed.), *Behaviour and Awareness*; C. Cherry (Ed.), *Information Theory*; R. N. Haber (Ed.), *Contemporary Theory and Research in Visual Perception*; F. P. Kilpatrick (Ed.), *Human Behaviour from the Transactional Point of View*; K. Koffka, *Principles of Gestalt Psychology*; A. F. Sanders (Ed.), *Attention and Performance*; L. Uhr (Ed.), *Pattern Recognition*; M. D. Vernon (Ed.), *Experiments in Visual Perception*, A. T. Welford, *Fundamentals of Skill*; H. A. Witkin *et al.*, *Personality through Perception*.

**703(a) Perception and Skill (Classes)**

Mr Hotopf. Fortnightly, Sessional.

**704 Laboratory Practical Course**

Members of the department. Sessional.

For B.Sc. (Soc. Psych.) (second year). Associated with 698, 699, 701, 702 and 703.

**705 Advanced Social Psychology (Seminar)**

Professor Himmelweit and members of the department. Michaelmas and Lent Terms.

For B.Sc. (Soc. Psych.) (third year).

**Syllabus** Interaction of the individual and the social system; exchange theory; person perception and impression formation; social change; group behaviour and organizations; communication and the mass media; problems related to theorising in social psychology.

**706 Child Development II (Seminar)**

Mrs Geber. Michaelmas and Lent Terms.

For B.Sc. (Soc. Psych.) (third year).

**Syllabus** Social concepts in childhood including the development of intergroup attitudes. Theories of development. Study of adolescence. Students taking this course are expected to attend Course No. 711.

**707 Information Processing (Seminar)**

Mr Seaborne and Miss Stockdale. Michaelmas and Lent Terms.

For B.Sc. (Soc. Psych.) (third year).

**Syllabus** The relationship of attentional factors and differences in intellectual ability to learning; acquisition processes in pattern recognition; aspects of verbal learning and memory.

**708 Personality and Motivation II (Seminar)**

Dr A. P. E. L. Sealy. Michaelmas and Lent Terms.

For B.Sc. (Soc. Psych.) (third year).

**Syllabus** An analysis of the relationships between personality and psychopathology, especially schizophrenia and deviance. A detailed analysis of such features of personality as self-concept and alienation. Students taking this course are expected to attend Course No. 711.

**709 Psycholinguistics (Psychology Seminar)**

Mr Hotopf. Michaelmas and Lent Terms.

For B.Sc. (Soc. Psych.) (third year).

**710 Application of Social Psychology (Seminar)**

Dr Oppenheim and other members of the department. Michaelmas and Lent Terms.

For B.Sc. (Soc. Psych.) (third year).

**Syllabus** Examination of the applications of social psychology to specific areas selected from the following: social medicine, political behaviour, industry, education, legal procedure.

**711 Abnormal Psychology**

Fifteen lectures, Michaelmas and Lent Terms.

For B.Sc. (Soc. Psych.) (third year).

**Syllabus** A set of lectures by invited specialists on several aspects of abnormal psychology, including abnormalities in childhood.

B.Sc. (Soc. Psych.) (third year) students are also referred to Courses Nos. 714, 719, 720 and 722.

**FOR GRADUATE STUDENTS**

**712 The Role of the Mass Media**

Professor Himmelweit. Five lectures, Lent Term.

For graduate students. Optional for undergraduates in other departments.

**713 Psychology Seminar**

Professor Himmelweit. Fortnightly, Sessional.

For graduate students.

Papers are presented by invited speakers.

**714 Communication and Attitude Change (Seminar)**

Professor Himmelweit. Sessional.

For M.Sc.: *Communication, Attitude*

*Change and Innovation*, XIX 6 and other graduate students; B.Sc. (Soc. Psych.) (third year).

**715 Language, Thought and Communication (Seminar)**

Mr Hotopf. Sessional.

For M.Sc.: *Language, Thought and Communication*, XIX 2.

**716 Social Psychological Methods of Research**

Dr Oppenheim and other members of the department. Sessional.

**717 Social Psychology of Organizations. The Nature and Derivation of the Social Form (Seminar)**

Mr R. Holmes. Sessional.

For M.Sc.: *Social Psychology of Organizations*, XIX 4.

**718 Personality (Seminar)**

Dr A. P. E. L. Sealy. Sessional.

For M.Sc.: *Personality*, XIX 10. Before joining this course it is suggested that students should be well acquainted with the following or their equivalents: L. Janis, R. Holt, I. Kagan and G. F. Mahl, *Personality*; S. Maddi, *Personality Theories*; E. Borgatta and W. Lambert, *Handbook of Personality Theory and Research*, chaps. 7, 10, 12, 20 and 21.

**Syllabus** The seminar will be centred on four main topics:

- (i) The search for structural invariance in the measurement and description of personality.
- (ii) Personality and systems of behaviour, with particular consideration of cognitive systems, stress-coping mechanisms, activation and control systems.
- (iii) Self, role and alienation.
- (iv) The measurement of complex processes; a consideration of techniques applicable to cognitive and other aspects of personality.

**719 Groups and Group Functioning (Seminar)**

Sessional.

For M.Sc. *Groups and Group Functioning*, XIX 3; B.Sc. (Soc. Psych.) (third year).

**720 Social Psychology of Conflict (Seminar)**

Dr Oppenheim. Sessional.

For M.Sc.: *Social Psychology of Conflict*, XIX 5; B.Sc. (Soc. Psych.) (third year).

**721 Person Perception (Seminar)**

Mrs Geber. Sessional.

For M.Sc.: *Person Perception*, XIX 8.

**722 Interpersonal Behaviour (Seminar)**

Mr A. D. Jones. Sessional.

For M.Sc.: *Interpersonal Behaviour*, XIX 9

**723 Industrial Psychology**

Mr R. Holmes. Thirteen lectures and classes, Michaelmas and Lent Terms.

For M.Sc.: Operational Research; M.Sc.; *Industrial Psychology*, VIII 2 (iv); XIII option h.

**Syllabus** 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.

**Recommended reading** M. S. Viteles, *Motivation and Morale in Industry*; N. R. F. Maier, *Psychology in Industry*; H. Croome, *Human Problems of Innovation*; J. Woodward, *Management and Technology*; D. Krech, R. S. Crutchfield and E. L. Ballachey, *Individual in Society*.

Further reading will be recommended during the course.

**724 Recent Advances in the Field of Social Psychology (Seminar)**

Members of the department. Sessional.

Psychology graduates are expected to attend Course No. 980 and are also referred to Courses Nos. 700(ii), 706, 707 and 711.

## Social Science and Administration

### 740 History of Social Policy

Dr Harris. Ten lectures, Michaelmas Term.

For B.A./B.Sc. (Soc.) Branch I, 9 and 10b; Branch III, 4 (second year); Dip. Soc. Admin. (first year); B.Sc. (Geog.) C 303. Optional for Dip. Soc. Admin. (one year).

**Syllabus** An outline of changes in the theory and practice of English social policy before 1939.

**Recommended reading** D. Roberts, *Victorian Origins of the British Welfare State*; E. Chadwick, *Report on the Sanitary Condition of the Labouring Population of Great Britain*; P. Smith, *Disraelian Conservatism and Social Reform*; J. Simon, *English Sanitary Institutions*; B. B. Gilbert, *The Evolution of National Insurance in Great Britain*; *British Social Policy 1914-1939*; R. Skidelsky, *Politicians and the Slump*; T. H. Marshall, *Social Policy*.

### 741 Social Policy

Professor Titmuss. Ten lectures, Michaelmas Term.

For B.A./B.Sc. (Soc.) Branch I, 9 and 10b; Branch III, 4 (third year); B.Sc. (Geog.) C 303; Dip. Soc. Admin. (one-year incl. Overseas Option and second year); Dip. Development Admin.

**Syllabus** Definition, scope and content of social policy. Theoretical and philosophical considerations in assessing the role of government in the field of social welfare. Issues of principle, methods of studying and the use of welfare models. The theory and practice of redistribution; the measurement of benefits and the costs of change. The application of models to the British welfare system. Objectivity and value choices.

**Recommended reading** B. B. Gilbert, *British Social Policy 1914-1939*; D. V. Donnison *et al.*, *Social Policy and Administration*; T. H. Marshall, *Social Policy*; R. K. Merton and R. A. Nisbet

*Contemporary Social Problems*; Talcott Parsons, *The Structure of Social Action*; *The Social System*; K. E. Boulding, *Principles of Economic Policy*; J. K. Galbraith, *The Affluent Society*; Wilbert Moore, *Social Change*; S. I. Benn and R. S. Peters, *Social Principles and the Democratic State*; G. D. Gurvich, *The Spectrum of Social Time*; Joan Robinson, *Economic Philosophy*; R. M. Titmuss, *Commitment to Welfare*; *The Gift Relationship*; K. J. Arrow, "Uncertainty and the Welfare Economics of Medical Care" (*The American Economic Review*, Vol. LIII, No. 5, Dec. 1963); D. S. Lees, *Freedom or Free-for-all?*; W. G. Runciman, *Relative Deprivation and Social Justice*; A. MacIntyre, *A Short History of Ethics*.

### 742 Development of Social Administration

Various lecturers. Twenty-five lectures, Sessional.

For B.A./B.Sc. (Soc.) Branch I, 9 and 10b; Branch III, 4 (second year); Dip. Soc. Admin. (one-year incl. Overseas Option and first year); B.Sc. (Geog.) C 303; Dip. Development Admin.

**Syllabus** An introduction to the subject of Social Administration followed by an examination of the more recent developments since the 1930s. A survey in greater detail of the main fields of social administration: income redistribution, education, the housing market, medical care and the personal social services.

**Recommended reading** M. Brown, *Introduction to Social Administration in Britain*; D. V. Donnison *et al.*, *Social Policy and Administration*; T. H. Marshall, *Social Policy*; K. M. Slack, *Social Administration and the Citizen*; R. M. Titmuss, *Essays on the Welfare State*.

### 743 Policy Problems in Health Services

Professor Abel-Smith. Five lectures, Lent Term.

For B.A./B.Sc. (Soc.) Branch I, 9 and

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10b; Branch III, 4 (third year); Dip. Soc.: Admin. (second year). Optional for Dip. Soc. Admin. (one-year incl. Overseas Option).

**Syllabus** The origins of the National Health Service and its organization. Comparisons with other countries. Methods of financing medical care. The economics of health services. The use of manpower in the health sector. Problems of hospital planning and organization. Co-ordination in the National Health Service. Problems of measuring need and demand.

**Recommended reading** A. Lindsey, *Socialized Medicine in England and Wales*; B. Abel-Smith, *The Hospitals 1800-1948*; B. Abel-Smith, *A History of the Nursing Profession*; H. Eckstein, *Pressure Group Politics*; Rosemary Stevens, *Medical Practice in Modern England*; T. McKeown, *Medicine in Modern Society*; G. Forsyth and F. L. Logan, *The Demand for Medical Care*; H. Freeman and J. Farndale, *Trends in the Mental Health Services*; P.E.P., "Psychiatric Services in 1975" (*Planning*, Vol. XXIX, No. 468, 1963); Anne Cartwright, *Human Relations and Hospital Care*; R. W. Revans, *Standards for Morale*; D. Paige and K. Jones, *Health and Welfare Services in Britain in 1975*; B. Abel-Smith and Kathleen Gales, *British Doctors at Home and Abroad*; B. Abel-Smith, "Paying for Family Doctor Services" (*Medical Care*, Vol. I, No. 1, 1963); H. E. Klarman, *The Economics of Health*; H. M. and A. Somers, *Doctors, Patients and Health Insurance*; Anne Cartwright, *Patients and their Doctors*; *Report of the Committee of Enquiry into the Relationship of the Pharmaceutical Industry with the National Health Service, 1965-7* (Cmnd. 3410); J. A. S. Forman, *Social Casework in General Practice*; J. Simpson *et al.*, *Custom and Practice in Medical Care*; *Royal Commission on Medical Education, 1965-8* (Cmnd. 3569); B. Abel-Smith, *An International Study of Health Expenditure* (W.H.O. Public Health Papers, No. 32); Department of Health and Social Security, *The Future of the National Health Service, 1970*; Office of Health Economics, *Building for Health, 1970*.

### 744 Contemporary Aspects of Social Administration

Various lecturers. Fifteen lectures, Lent and Summer Terms.

For B.A./B.Sc. (Soc.) Branch I, 9 and 10b (third year); Branch III, 4 (second year); B.Sc. (Geog.) C 303; Dip. Soc. Admin. (one-year incl. Overseas Option and second year).

**Syllabus** Detailed consideration of a number of contemporary aspects of social administration. These will probably include such topics as the work of the Supplementary Benefits Commission, racial discrimination and the work of bodies like the Race Relations Board and the Community Relations Commission, the rights of consumers of the social services and their participation in decision making.

### 745 Urban Planning Policies

Professor Donnison. Ten lectures, Lent Term.

For M.Sc.: *Social Policy and Administration*, XVII 1; B.A./B.Sc. (Soc.) Branch III, 4 (third year); Dip. Soc. Admin. (second year). Optional for B.A./B.Sc. (Soc.) Branch I, 9 and 10b (third year); Dip. Soc. Admin. (one year incl. Overseas Option).

**Syllabus** A discussion of urban structure and the spatial context for social policies. City government, and the ideologies that inform planning at the urban scale.

**Recommended reading** W. Ashworth, *The Genesis of Modern British Town Planning*; B. T. Robson, *Urban Analysis*; Emrys Jones, *A Social Geography of Belfast*; J. Jacobs, *The Economy of Cities*; D. Easton, *A Framework for Political Analysis*; J. S. Mill, *Essays*; B. Barry, *Political Argument*; A. Downs, *An Economic Theory of Democracy*.

### 746 Consumers' Rights in the Social Services

This course will not be given in the session 1971-72.

**747 Social Administration (Classes)**

For Dip. Soc. Admin., one-year (incl. Overseas Option) (first and second years); B.A./B.Sc. (Soc.) Branch I, 9 and 10b; Branch III, 4 (second and third years); B.Sc. (Geog.) C 303.

**748 Central and Local Government Administration (Seminar)**

Dr Regan and Mr. A. L. Webb. Sessional.

For B.A./B.Sc. (Soc.) Branch III, 7a (third year).

**Syllabus** This course is divided into two parts. The first half consists of an examination of the main administrative and political problems of central and local government in providing services. Particular attention is paid to the interaction between the two levels of government. The second half of the course is a study in depth of the reorganization of London government and its effects upon the administration of services in the Metropolis.

**Recommended reading** FIRST PART: R. G. S. Brown, *The Administrative Process in Britain*; J. A. G. Griffith, *Central Departments and Local Authorities*; W. J. M. Mackenzie, *Theories of Local Government*; J. P. Mackintosh, *The Devolution of Power*; W. A. Robson, *Local Government in Crisis*; Evelyn Sharp, *The Ministry of Housing and Local Government*. SECOND PART: *Report of the Royal Commission on Local Government in Greater London* (Cmnd. 1164, 1960); G. Rhodes, *The Government of London: The Struggle for Reform* (and Vol. II when published); G. Rhodes and S. K. Ruck, *The Government of Greater London*; F. Smallwood, *Greater London: the Politics of Metropolitan Reform*; Greater London Group, *The Lessons of the London Government Reforms*. See also the Greater London Group's *Greater London Papers* published by L.S.E. Further specialised references will be given in the seminars.

**749 Social Structure and Social Policy in Societies Undergoing Industrialisation (Classes)**

Fortnightly.

For B.A./B.Sc. (Soc.) Branch III, 7b (second and third years).

**750 Introduction to Social Work**

For Dip. Soc. Admin., one-year incl. Overseas Option and first year.

**(i) Case Work**

Miss Elkan. Three lectures, Lent Term.

**(ii) Group Work**

Mr Goetschius. Four lectures, Lent Term.

**(iii) Community Work**

Mr Goetschius. Three lectures, Lent Term.

**751 Aspects of Social Work**

Various lecturers. Ten lectures, Lent Term.

For Dip. Soc. Admin., one-year incl. Overseas Option and first year.

**752 Social History**

Professor McGregor and Dr Burnett. Sessional. At Bedford College.

For B.A./B.Sc. (Soc.) Branch III, 1 (first year).

**752(a) Social History (Classes)**

Sessional, in connection with Course No. 752.

**753 British Social History: Special Aspects**

Professor McGregor, Professor Ilersic and Dr Burnett. Lent Term. At Bedford College.

For B.A./B.Sc. (Soc.) Branch III, 1 (second year).

**753(a) British Social History (Seminar)**

Professor McGregor. Sessional. At Bedford College.

For B.A./B.Sc. (Soc.) Branch III, 1 (third year).

**Syllabus and recommended reading** will be given during the course.

**754 Elements of Government (Classes)**

Fortnightly, Sessional, in connection with Course No. 417.

For B.A./B.Sc. (Soc.) Branch III, 2 (first year).

**755 British Political, Administrative and Legal Institutions Case Studies (Classes)**

Dr Burton and Mr Drewry. Michaelmas Term. At Bedford College.

For B.A./B.Sc. (Soc.) Branch III, 2 (second year).

**Syllabus and recommended reading** will be given at the beginning of the course.

**755(a) British Political, Administrative and Legal Institutions (Classes)**

Dr Burton and Mr Drewry. Fortnightly, Sessional. At Bedford College.

For B.A./B.Sc. (Soc.) Branch III, 2 (third year).

**Syllabus and recommended reading** will be given at the beginning of the course.

**756 The Family in Law and Society**

Professor McGregor and Dr Blom-Cooper. Twenty lectures, Michaelmas and Lent Terms. At Bedford College.

For B.A./B.Sc. (Soc.) Branch III, 7d (second year).

**Syllabus and recommended reading** will be given during the course.

**756(a) The Family in Law and Society (Classes)**

At Bedford College, in connection with Course No. 756.

For B.A./B.Sc. (Soc.) Branch III, 7d (third year).

**757 Introduction to Economic Analysis and its Application to Social Problems**

Mr Piachaud. Sixteen lectures, Michaelmas and Lent Terms.

For B.A./B.Sc. (Soc.) Branch III, 3 (first year); Dip. Soc. Admin. (one-year incl. Overseas Option and first year); Dip. Development Admin.; Dip. Personnel Management.

**Syllabus** An introduction to micro- and macro-economic analysis with some applications to current social policies and problems.

**Recommended reading** on current problems will be given as the lectures proceed. Students will be expected to select a basic introductory textbook which suits their stylistic tastes or to follow the recommended texts of their class tutors.

**758 Social Economics: Public Finance**

Professor Ilersic. Ten lectures, Lent Term. At Bedford College.

For B.A./B.Sc. (Soc.) Branch III, 3 (second year).

**Syllabus** Growth and finance of public sector expenditure since 1900; principles and application of fiscal and budgetary policy; the U.K. tax structure including the local rate.

**Recommended reading** U. K. Hicks, *British Public Finances, 1820-1952*; Worswick and Ady, *The British Economy in the 1950s* (chap. 8); A. R. Ilersic, *Taxation of Capital Gains*; *Report of the Committee on Turnover Taxes* (Cmnd. 2300); *Report of the Committee of Inquiry into Impact of Rates on Households*

*Social Science and Administration*

(Cmnd. 2582); P. D. Henderson, *Economic Growth in Britain*.

**759 Economics (Classes)**

(a) Fortnightly, Sessional.

For Dip. Soc. Admin. (first year, second year and one-year, incl. Overseas Option).

(b) Fortnightly, Sessional.

For B.A./B.Sc. (Soc.) Branch III, 3 (first, second and third years).

**760 Research Methods in Social Administration (Class)**

Mr Piachaud. Sessional.

For Dip. Soc. Admin. (second year and one-year).

**761 Personality and Abnormal Psychology**

Mrs Wilkinson. Six lectures, Lent Term, beginning in the fifth week.

For B.A./B.Sc. (Soc.) Branch I, 5; (second year); Dip. Soc. Admin. (second year). Optional for Dip. Soc. Admin., incl. Overseas Option (one year).

**Syllabus** Concepts of abnormality; theories of personality; individual differences; defence mechanisms; personality disorders; psychoneuroses; functional psychoses; psychological aspects of organic pathology; sub-normality; behavioural approach to psychological disorders and therapy; psychiatric treatment.

**Recommended reading** will be given during the course.

**762 Psychology in Social Administration**

Professor Plowman. Five lectures, Summer Term.

For Dip. Soc. Admin. (one-year incl. Overseas Option and second year); B.A./B.Sc. (Soc.) Branch III (second year).

**Syllabus and recommended reading** will be given during the course.

**763 Psychology (Classes)**

(a) Fortnightly, Sessional.

For B.A./B.Sc. (Soc.) Branch III (first and second years).

(b) Fortnightly, Sessional.

For Dip. Soc. Admin. (one year incl. Overseas Option, first and second years).

**764 Social Structure (Classes)**

(a) Fortnightly, Lent Term.

For Dip. Soc. Admin. (first year).

(b) Fortnightly, Sessional.

For Dip. Soc. Admin. (second year and one-year).

(c) Weekly, Lent and Summer Terms.

For Dip. Soc. Admin., Overseas Option (one-year).

**765 Sociology (Classes)**

For B.A./B.Sc. (Soc.) Branch III, 6 (first, second and third years).

**766 Seminar in Social Administration**

For B.A./B.Sc. (Soc.) Branch III (first year).

**767 Seminar on Supplementary Benefits**

Mr Lynes. Sessional.

For any interested students from the department of Social Science and Administration.

**Syllabus** A description of the nature and conditions of entitlement to Supplementary Benefits, procedures for claiming and appealing against decisions. Case studies will be used.

*Social Science and Administration*

**FOR GRADUATE STUDENTS**

**M.Sc.: Social Administration and Social Work Studies—Option A**

**768 Social Policy and Administration (Seminar)**

Professor Titmuss, Professor Abel-Smith and others. Sessional.

For M.Sc.: *Social Policy and Administration*, XVII 1; other students may attend with the consent of the lecturers.

**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 only in general terms with special branches of the social services covered by other papers, e.g. social security, medical care and the welfare services. It will take account of historical developments and will include, where appropriate, comparative developments in other countries and focus on current policy questions.

**Recommended reading** M. Bruce, *The Coming of the Welfare State*; B. B. Gilbert, *The Evolution of National Insurance in Great Britain*; D. V. Donnison and others, *Social Policy and Administration*; R. M. Titmuss, *Essays on The Welfare State*; *Income Distribution and Social Change*; D. S. Lees, *Freedom or Free-for-all?*; W. G. Runciman, *Relative Deprivation and Social Justice*; Kathleen M. Slack, *Social Administration and the Citizen*; E. Burns, *Social Security and Public Policy*;

A. B. Atkinson, *Poverty in Britain and the Reform of Social Security*.

**769 Medical Care (Seminar)**

Professor Abel-Smith. Sessional.

This seminar will be held only if there is a sufficient number of students wishing to take this option.

For M.Sc.: *Medical Care*, XVII 2(i); *Medical Sociology*, XX 3 (xiv); other students may attend with the consent of the lecturer.

**Syllabus** The development and structure of health services: the social, demographic and economic facts 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-relationships; the sociology of hospitals and other medical organizations.

**Recommended reading** will be given at the beginning of the course.

**770 Social Security (Seminar)**

Miss Nevitt and Mr Reddin. Michaelmas and Lent Terms.

For M.Sc.: *Social Security*, XVII 2(ii); other students may attend with the consent of the lecturers.

**Syllabus** Social security is defined broadly to include not only national insurance, injuries and assistance provisions, but also provisions for income maintenance provided by courts, tax allowances which meet family needs, fringe benefits and private insurance. The historical development of social security provisions in Britain; the definition of poverty and criteria for determining the scope and level of social security benefits; the economic and financial problems of social security; the legal framework of social security; comparisons with provisions in other high-income countries.

**Recommended reading** B. Abel-Smith, "Social Security" in M. Ginsberg (Ed.), *Law and Opinion in the Twentieth Century*;

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B. B. Gilbert, *The Evolution of National Insurance in Great Britain; British Social Policy 1914-1939*; W. Beveridge, *Social Insurance and Allied Services* (Cmd. 6404, 1942); B. Abel-Smith and P. Townsend, *The Poor and the Poorest*; A. F. Young, *Industrial Injuries Insurance*; Labour Party, *National Superannuation, 1957*; P. Townsend and D. Wedderburn, *The Aged in the Welfare State*; Ministry of Pensions and National Insurance, *Provision for Old Age* (Cmnd. 538, 1958); T. Lynes, *Pension Rights and Wrongs* (Fabian Society, 1963); A. Seldon, *Pensions in a Free Society*; Department of Health and Social Security, *National Superannuation and Social Insurance* (Cmnd. 3883); T. Lynes, *Labour's Pension Plan* (Fabian Society, 1969); *National Superannuation* (Cmnd. 4195); D. Marsden, *Mothers Alone: Poverty and the Fatherless Family*; A. B. Atkinson, *Poverty in Britain and the Reform of Social Security*; V. George, *Social Security: Beveridge and After*; H.M.S.O., *Social Trends*; M. Hanser, *Economics of Unemployment Insurance*.

### 771 Welfare Services (Seminar)

Miss M. Brown. This seminar will be held only if there is a sufficient number of students wishing to take this option.

For M.Sc.: *Welfare Services*, XVII 2(iii); other students may attend with the consent of the lecturer.

**Syllabus** The evolution of the local authority social services departments. The Seebohm Report on local authority personal social services. Problems of organization, staffing and inter-agency co-ordination. The social work contribution through casework, residential care and community work. Assessment of community needs, problems of priorities and evaluation of provisions. Social deviance and concepts of community welfare. Aims and objectives of the social services department.

**Recommended reading** *Report of the Committee on Local Authorities and Allied Personal Social Services* (Seebohm, Cmnd. 3703); *Report of the Working Party on Social Workers in the Local Authority Health*

*and Welfare Services* (Younghusband); *Community Work and Social Change* (Calouste Gulbenkian Foundation); B. N. Rodgers and J. Dixon, *Portrait of Social Work*; J. Parker, *Local Health and Welfare Services*; E. M. Goldberg, *Helping the Aged*; A. Harris, *Social Welfare for the Elderly*; P. Townsend and D. Wedderburn, *The Aged in the Welfare State*; J. Heywood, *Children in Care*; J. Packman, *Child Care Needs and Numbers*; A. F. Philip, *Family Failure*; P. Hunt (Ed.), *Stigma: the Experience of Disability*; S. Sainsbury, *Registered as Disabled*; K. Jones, *Mental Health and Social Policy*; J. Tizard, *Community Services for the Mentally Handicapped*.

### 772 Housing and Town Planning (Seminar)

Dr Levin. Michaelmas and Lent Terms. This seminar will be held only if there is a sufficient number of students wishing to take this option.

For M.Sc.: *Housing and Town Planning*, XVII 2(iv); M.Sc. in Regional and Urban Planning; other students may attend with the consent of the lecturer.

**Syllabus** Social and economic aspects of housing markets. The development of British housing policies. Governmental and other agencies and institutions in Britain today: their roles and relationships, their influence in the building and allocation of housing, implications for the consumer. Housing problems: slums, multi-occupation and homelessness. Central and local housing policies for the future.

Town planning as a tool of social policy. Strategic and comprehensive planning. New towns and town development schemes: the physical, social and economic development of new communities. Urban decay and renewal: problems, policies and their implications. Decision making and public participation in planning. Housing, town planning and the structure of local government.

**Recommended reading** D. V. Donnison, *The Government of Housing*; J. B. Cullingworth, *Housing and Local*

## Social Science and Administration

*Government in England and Wales*; A. A. Nevitt, *Housing, Taxation and Subsidies*; W. F. Smith, *Housing—The Social and Economic Elements*; M. Bowley, *Housing and the State; The British Building Industry*; J. A. G. Griffith, *Central Departments and Local Authorities*; Ministry of Housing and Local Government, *Council Housing—Purposes, Procedures, Priorities; Report of the Committee on Housing in Greater London* (Cmnd. 2605); *The Needs of New Communities; People and Planning* (Skeffington Report); E. Burney, *Housing on Trial*; W. Ashworth, *The Genesis of Modern British Town Planning*; P. Self, *Cities in Flood*; G. Cherry, *Town Planning in its Social Context*; F. J. Osborn and A. Whittick, *New Towns—the Answer to Megalopolis*; Greater London Council, *Greater London Development Plan—Statement; Tomorrow's London*; Royal Commission on Local Government in England, *Report* (Cmnd. 4040, Vols. I and II).

### 773 Educational Administration (Seminar)

Mr Glennerster and Dr Blackstone. This seminar will be held only if there is a sufficient number of students wishing to take this option.

For M.Sc.: *Educational Administration*, XVII 2(vii); other students may attend with the consent of the lecturers.

**Syllabus** The aim is to cover the literature relevant to each level of education and to the economic and sociological aspects of the subject. Outside speakers with experience in the field will be invited at regular intervals. Part of the session is left so that topics can be arranged to fit in with the particular interests of the group.

**Recommended reading** G. Baron and W. Taylor (Eds.), *Educational Administration and the Social Sciences*; O. Banks, *The Sociology of Education*; P. W. Musgrave, *Society and Education in England since 1800*; T. Burgess, *A Guide to English Schools*; J. Vaizey, *Resources for Education*. A more detailed bibliography will be distributed at the beginning of the session.

### 774 Case Studies of Research Methods in Social Administration

Dr B. P. Davies and Mr Piachaud. Sessional. This seminar will be held only if there is a sufficient number of students.

For M.Sc.: Social Administration and Social Work Studies (A); other students may attend only with the consent of the lecturers.

## OTHER GRADUATE COURSES

### 775 Seminar in Social Administration

Professor Abel-Smith. Sessional. For M.Phil. and Ph.D. students.

### 776 Welfare Rights and Participation

Mr Goetschius and Miss Brooke. Sessional.

Admission by permission of the lecturers.

## Personnel Management

### Diploma Courses

#### 780 Principles and Practice of Personnel Management

Baroness Seear and others. Sessional.

For Diploma in Personnel Management.

**Syllabus** These lectures trace the development of personnel management and examine the place of the personnel specialist in industrial and commercial organizations. The main aspects of personnel policy are discussed and the developing practices of different organizations are studied. The topics include: manpower forecasting and planning recruitment; training and education with particular reference to the implementation of the Industrial Training Act; appraisal and promotion; incentives and the principles and methods

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of remuneration; problems of communication and consultation. Recommended reading A bibliography will be recommended during the course of the lectures.

#### 780(a) Classes

Sessional. In connection with Course No. 780.

**780(b) Principles and Practice of Personnel Management: Training**  
Various lecturers. Lent Term.

#### 781 Industrial Psychology

Mr R. Holmes. Twenty-five lectures, Sessional.

For Diploma in Personnel Management. **Syllabus** Individual maturation and adjustment.

Factors leading to the formation of industrial groups. Morale and its breakdown; co-operative and competitive situations, resistance to change.

Psychological and organizational factors in communication.

The nature of incentives; supervisory and other leadership. Personnel counselling. Supervisory training.

**Recommended reading** N. R. F. Maier, *Psychology in Industry*; M. S. Viteles, *Motivation and Morale in Industry*; J. Piaget, *The Moral Judgment of the Child*; J. A. C. Brown, *The Social Psychology of Industry*; W. Brown, *Exploration in Management*; H. Croome, *Human Problems of Innovation*; H. J. Eysenck, *Uses and Abuses of Psychology*; J. Woodward, *Management and Technology*; L. R. Sayles, *The Behaviour of Industrial Work Groups*; W. F. Whyte and others, *Money and Motivation*; A. Zalesnik and others, *The Motivation, Productivity and Satisfaction of Workers*.

**781(a) Industrial Psychology (Class)**  
Mr R. Holmes. In connection with Course No. 781.

#### 782 Methods of Social Research in Industry

Mr Thurley. Ten lectures and ten classes, Lent Term.

For students who will be undertaking project work for Part II of the Diploma in Personnel Management.

**Note** The numbers of the additional courses taken by Diploma in Personnel Management students are listed on page 221.

#### 783 The Sociology of Management

Mr Graves. Ten lectures, Lent Term.

For M.Sc.: Management Studies; *Industrial Sociology*, XIV 3 (xi); Diploma in Personnel Management.

**Syllabus** The origins of the managerial role. Empirical studies of managerial behaviour. Studies of managerial careers and professionalisation. Managerial ideologies and value systems. Human aspects of managerial control procedures. Cultural influences upon management style and organization. Role conflict and problems of bureaucracy

**Recommended reading** J. Child, *British Management Thought*; S. Pollard, *The Genesis of Modern Management*; S. Carlson, *Executive Behaviour*; R. N. Rapoport, *Mid-Career Development*; C. Sofer, *Men in Mid-Career*; M. Haire et al, *Managerial Thinking: An International Study*; R. L. Kahn et al, *Organisational Stress*; G. Hofstede, *The Game of Budget Control*; M. L. J. Abercrombie, *The Anatomy of Judgment*; A. Crosby, *Creativity and Performance in Industrial Organisation*; M. Crozier, *The Bureaucratic Phenomenon*; M. Dalton, *Men Who Manage*; L. Sayles, *Managerial Behaviour*; H. A. Simon, *Administrative Behaviour*.

#### Non-Diploma Course

#### 784 Introduction to Personnel Management

Baroness Seear. Five lectures, Lent Term.

For M.Sc.: Operational Research.

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#### 785 Seminar on Management Problems

Mr Graves and others. Michaelmas Term.

For all students taking the M.Sc. in Management Studies.

#### Diploma in Social Work Studies

(This Diploma replaces the Diploma for Social Workers in Mental Health and the Diploma in Applied Social Studies.)

**Note** Lectures and seminars numbered 790 to 811 are restricted to students registered for this course.

#### 790 Introduction to Methods of Social Work

Miss Butrym and Mr Goetschius. Twelve lectures. Michaelmas Term.

#### 791 Principles and Practice of Social Work

Members of the department. Twenty seminars, Michaelmas and Lent Terms.

**Syllabus** The aim of the seminars is to provide the necessary background theory through a study of concepts and methods used in social work. The study of casework is a major part of these seminars, but attention is also given to group and community work. The seminars are closely related to the various lecture courses and form a bridge between these and field work.

#### 792 Methods of Casework, Group Work and Community Work

Members of the department. Ten seminars, Summer Term.

Students can choose to attend

seminars on one of these methods of social work, which should be related to their field practice.

#### 793 Social Work and Social Problems

Various lecturers. Ten lectures, Lent Term.

**Syllabus** This course discusses a number of social problems (e.g. mental illness, illegitimacy etc.) and considers the ways in which such phenomena come to be defined as a "social problem". Theories of description (e.g. "deviance", "social disorganization") and theories of causation (psychological, sociological). The part played by social work and the social sciences in defining and dealing with social problems.

**Recommended reading** H. Becker, *Social Problems, A New Approach*; E. Lemert, *Social Pathology*; R. Illsley and J. Gill, "Changing Trends in Illegitimacy" (*Social Science and Medicine*, Autumn 1968); R. K. Merton and R. D. Nisbet, *Contemporary Social Problems*; J. Nicholson, *Mother and Baby Homes*; F. Riessman, *Mental Health of the Poor*; E. M. Goldberg and R. Morrison, "Schizophrenia and Social Class" (*Bristol Journal of Psychiatry*, November 1963); A. Rose, *Mental Health and Mental Disorder*; D. M. Downes, *The Delinquent Solution*.

#### 794 Human Growth and Development

Dr Stewart Prince. Twenty lectures, Michaelmas and Lent Terms.

**Syllabus** The biological and psychological development of the individual from birth until old age, and the relevance of modern theories of personality to each phase of development. Psycho-analytic theory and its derivatives. Deviations from the normal commonly met with in social work practice. Parent-child relationships, family dynamics and the psychology of marriage. The implications of such adverse experience as emotional deprivation, illness, bereavement and placement in an abnormal environment.

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**795 Social Work and Psychiatry**  
Dr Cawley and others. Ten lectures, Michaelmas Term.

**796 Psychiatry**  
Dr Cawley. Ten seminars, Summer Term.

**Syllabus** The concept of mental illness and its significance in medical and psychiatric practice. The interplay of somatic, psychological, and social interactional variables in the genesis of symptoms, interpersonal difficulties, and deviant behaviour. The work of the psychiatric team. The phenomena and classification of mental illness, and the contrasting features of different syndromes. Consideration of each of the main groups of syndromes, with special regard to (a) theories concerning biological, developmental and psychosocial aspects of causation; and (b) a multi-dimensional approach in management and treatment. The scope and limitations of somatic (physical) methods of treatment. Types of psychotherapy and indications and contra-indications for their use. Social treatment and family therapy; management in the hospital and in the community.

**797 Clinical Aspects of Child Development**  
Dr Hersov. Ten seminars, Summer Term.

**Syllabus** Theory of emotional development of infant and child. Evaluation of the environmental factor. Health in terms of emotional maturity and ill-health in terms of distortions in emotional growth. Classification according to the specific needs of each case. Clinical material illustrating health and ill-health at various ages; interview reports with discussion of technique. Aetiology of psychoneurosis, antisocial tendency and psychosis. The effect of physical disease and of mental defect on the personal pattern of defence against anxiety.

**798 The Meaning of Health and Disease**

Lecturer to be announced. Ten lectures, Michaelmas Term.

**Syllabus** The basic principles underlying health and ill-health. The physiology and pathology of the main systems of the body and the incidence of the more common diseases in the different age groups. The interaction of medical, social and emotional factors.

**799 Theories of Personality Development**  
Professor Plowman and Miss Elkan. Ten lectures, Michaelmas Term.

**800 Theories of Small Groups**  
Mr Goetschius. Five lectures, Lent Term.

**801 Family Relationships**  
Mr Woodhouse. Lent Term.

**802 Forms of Substitute Care**  
Miss Edmonds. Five lectures, Lent Term.

**803 Sociology of Health Care**  
Miss Butrym. Ten lectures, Lent Term.

**Syllabus** The course is primarily concerned with a study of the differing concepts of health and medical care, with the various factors influencing these, and with their effects on the health services. Particular attention will be given to the following more specific aspects of the theme: the cultural and social influences affecting people's attitudes towards health, sickness, and medical care; the characteristics of the various medical institutions including the issues involved in an integration of the scientific and the "whole person medicine" approaches; the place of social work in promoting health through participation in preventive, therapeutic and rehabilitative programmes; and the various obstacles to a truly effective

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contribution by social workers in this field.

**Recommended reading** will be given during the course.

**804 Social Administration and Social Policy**  
Mr Hadley and Mr A. L. Webb. Ten lectures, Michaelmas Term.

**Syllabus** Some of the key administrative problems and processes associated with social welfare organizations. The manner in which scarce services are allocated. The relationships between organizations. The processes of organizational growth, development and change. Information, communication and decision. Administrative discretion and the use of professional power. The design of administrative structures.

**Recommended reading** D. V. Donnison, *Social Policy and Administration*; H. A. Simon, *Administrative Behaviour*; J. G. March and H. A. Simon, *Organization*; E. Powell, *Medicine and Politics*; G. Vickers, *The Art of Judgement*; W. Gamson, *Power and Discontent*; P. Blau and W. R. Scott, *Formal Organizations*; K. Boulding, *The Organizational Revolution*; K. Boulding, *General Theory of Conflict and Defense*; R. L. Kahn and E. Boulding, *Power and Conflict in Organizations*; H. L. Wilensky and C. N. Lebeaux, *Industrial Society and Social Welfare*; L. T. Wilkins, *Social Deviance*.

**805 The Social Services**  
Members of the department. Fifteen seminars, Lent and Summer Terms.

Each series of seminars will consider the social services in relation to a specific social problem. Students

**Supervisors to the Diploma in Social Work Studies**

Mrs Y. Auger  
Miss C. Morgan  
Miss N. Wright

} Children's Department, London Borough of Lewisham

can choose one series of seminars which should be related to their field practice.

**806 Law and Court Procedure**  
To be arranged.

Students may choose from one of the following classes:

**807 Psychoanalytic Concepts**  
Miss Elkan. Summer Term,

**808 Community Work**  
Mr Goetschius. Summer Term.

**809 Welfare Rights**  
Miss Brooke. Summer Term.

**810 Social Work in the Residential Setting**  
Miss Edmonds. Summer Term.

**811 Social Work Research**  
Dr B. P. Davies and others. Summer Term.

**For M.Sc. Social Administration and Social Work Studies, Option B.**

**812 Social Work Studies**  
Miss Wilson and others. Fifteen seminars. Sessional.

**813 Social Problems**  
Mr Gregory and others. Fifteen seminars, Michaelmas and Lent Terms.



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Mrs H. S. Brock	Hammersmith Hospital, 150, Du Cane Road, W12 0HS
Miss A. Kernick	Royal Bethlehem Hospital, Monk's Orchard Road, Beckenham, Kent
Miss M. Eden	Maudsley Hospital, Denmark Hill, SE5 8AZ (Adults)
Mrs F. Sussenwein	Maudsley Hospital, Denmark Hill, SE5 8AZ (Children)
Miss I. Tamblyn	} Child Guidance Training Centre, 120, Belsize Lane, NW3 5BA
Miss M. Weiss	
Mrs M. Abramsky	
Mrs F. Mendoza	} Department of Psychological Medicine, University College Hospital, 23, Devonshire Street, WIN 2BN
Mrs J. Jordan	
Miss J. Barton	Belgrave Hospital for Children, 1, Clapham Road, SW9 OJF
Miss M. M. Bailey	Academic Department of Psychiatry, Middlesex Hospital Medical School, WIN 8AA
Miss M. Knight	London Hospital, Whitechapel, E1 1BB
Miss W. Roberts	Woodberry Down Child Guidance Unit, N4 2NU
Mrs B. Gibbs	Middlesex Hospital, Mortimer Street, WIN 8AA
Miss J. Knight	Family Welfare Association Area 5, 80, North Side, Wandsworth Common, SW18 2QX
Miss C. Whitby	Borough of Barnet Children's Department, Ravensfield House, The Burroughs, NW4 4BE

**Sociology**

**830 Introduction to Sociology**

(i) Professor MacRae. Eight lectures, Michaelmas Term.

For B.Sc. (Soc.), *Introduction to Sociology*; B.Sc. (Geog.) C 301; B.Sc. (Soc. Psych.); B.Sc. (Maths.) 5 d (first year).

(ii) Mr Hopkins. Twenty lectures, Michaelmas and Lent Terms.

For B.Sc. (Econ.) Part I: alternative subject 6, *Elements of Social Structure I*; B.Sc. (Econ.) Part II: *Elements of Social Structure II*, I 3h; III 3g; VI 8g (second year); B.Sc. (Soc.) *Introduction to Sociology*; B.Sc. (Maths.), 5 d; B.Sc. (Geog.) C 301; B.A./B.Sc. (Soc.) Branch III, 6; B.Sc. (Soc. Psych.) (first year); Dip. Personnel Management; Dip. Soc. Admin., incl. Overseas Option (one-year and first year); Dip. Development Admin.; M.Sc.: *Industrial Sociology* XIV 3(xi).

**Syllabus** Patterns of action; concepts and categories of sociological analysis; age, sex and social class; tribal and peasant societies; problems of industrialisation and population growth; similarities and divergencies between highly industrialised states; formal organisations. Political systems, ideologies, the distribution of power, internal wars and revolution. Status systems, differences in life style and education. The application of sociology to social policy; deviance and crime, urban problems, family relations, socialisation and the sociology of everyday life. Some practical work may be required.

**Recommended reading** P. Berger, *Invitation to Sociology* or E. Chinoy, *Sociological Perspective* or S. Cotgrove, *The Science of Society*; P. Worsley (Ed.), *Modern Sociology: Introductory Readings*; P. Laslett, *The World We Have Lost*; R. D. Laing, *The Divided Self*; E. Goffman, *The Presentation of Self in Everyday Life*; A. Gouldner, *Patterns of Industrial Bureaucracy*; C. Arensberg and S. T. Kimball, *Family and Community in Ireland*; W. F. Whyte, *Street Corner*

*Society*; J. Rex, *Key Problems in Sociological Theory*. Further reading will be recommended during the course.

**830(a) Introduction to Sociology (Classes)**

Sessional, beginning early in the Michaelmas Term.

For B.Sc. (Econ.) Part I; B.Sc. (Soc.) *Introduction to Sociology*; B.Sc. (Maths.); B.Sc. (Geog.), C 301; B.Sc. (Soc. Psych.) (first year); M.Sc.; *Industrial Sociology*, XIV 3(xi).

**831 Elements of Social Structure II (Classes)**

(a) Five classes, Summer Term.

For B.Sc. (Econ.) Part II: *Elements of Social Structure II*, I 3h; III 3g; VI 8g (second year).

(b) Weekly classes, Michaelmas and Lent Terms.

For B.Sc. (Econ.) Part II: *Elements of Social Structure II*, I 3h; III 3g; VI 8g (third year).

**832 Introduction to Sociological Theory**

Mr Hopper. Twenty lectures, Michaelmas and Lent Terms. This course will not be given in the session 1971-72.

**833 Social Theory**

Professor Cohen. Twenty lectures, Michaelmas and Lent Terms.

For B.A./B.Sc. (Soc.) Branch III, 6 (third year); B.Sc. (Soc. Anth.) Part II, 3 c; M.Sc.: *Political Sociology*, XIV 4; M.Sc.: Sociology (preliminary year) and interested students.

**Syllabus** Nature of social explanation. Distinction between scientific and normative goals of social theory. Holistic and action approaches. Theories of social change. Relevance of psychology for explaining social phenomena. Nature of social facts. Problem of objectivity.

## Sociology

Sociology, ideology, moral philosophy and social policy.

**Recommended reading** M. Black (Ed.), *The Social Theories of Talcott Parsons*; P. S. Cohen, *Modern Social Theory*; E. A. Gellner, *Thought and Change*; M. Ginsberg, *Essays in Sociology and Social Philosophy*; D. G. MacRae, *Ideology and Society*; R. K. Merton, *Social Theory and Social Structure*; R. A. Nisbet, *The Sociological Tradition*; Emile Durkheim; K. R. Popper, *The Open Society and its Enemies*; *Poverty of Historicism*; J. Rex, *Key Problems of Sociological Theory*; W. G. Runciman, *Social Science and Political Theory*; W. J. H. Sprott, *Science and Social Action*.

### 833(a) Classes

For B.Sc. (Soc. Anth.) Part II, 3 c.

#### Note on Social Philosophy Courses

Courses 834(i)–837 are intended principally for students reading sociology, and the main criterion governing content is relevance to sociology. The aim is to give students a general idea of the conceptual and ethical problems which arise in the study of society, so that they will be able to recognize these problems and to relate them both to major philosophies and to their own more concrete work in sociology.

**Recommended reading** This reading list is not definitive. No student would be expected to read all these books. Every student would be likely to consult a number of sources not listed here. The aim has been to list most of the main books which students may be recommended to read or refer to, with the exception of some obviously relevant works on the Theories and Methods of Sociology which it would be tedious to list here as well as under the course of that name. Articles in journals are not listed: references will be given during the courses. Some main journals in which relevant articles are likely to be found (apart from

the standard sociological journals) are: *British Journal for the Philosophy of Science*; *Ethics*; *History and Theory*; *Inquiry*; *Mind*; *Philosophical Review*; *Philosophy*; *Philosophy of Science*; *Philosophy and Phenomenological Research*; *Proceedings of the Aristotelian Society* and *Ratio*.

(i) SHORT INTRODUCTORY WORKS: R. G. Collingwood, *An Autobiography*; A. C. Ewing, *Ethics*; W. K. Frankena, *Ethics*; C. G. Hempel, *Philosophy of Natural Science*; J. D. Mabbott, *An Introduction to Ethics*; J. H. Plumb (Ed.), *Crisis in the Humanities*; R. S. Rudner, *Philosophy of Social Science*; J. Wilson, *Thinking with Concepts*.

(ii) WORKS WRITTEN AS OR USABLE AS TEXTBOOKS: S. I. Benn and R. S. Peters, *Social Principles and the Democratic State*; C. D. Broad, *Five Types of Ethical Theory*; E. A. Gellner, *Thought and Change*; J. Hospers, *Human Conduct: An Introduction to the Problems of Ethics*; A. C. MacIntyre, *A Short History of Ethics*; A. C. R. G. Montefiore, *A Modern Introduction to Moral Philosophy*.

(iii) BOOKS OF READINGS: R. B. Brandt (Ed.), *Social Justice*; D. Braybrooke (Ed.), *Philosophical Problems of the Social Sciences*; M. Brodbeck (Ed.), *Readings in the Philosophy of the Social Sciences*; R. G. Colodny (Ed.), *Beyond the Edge of Certainty*; W. H. Dray (Ed.), *Philosophical Analysis and History*; H. Feigl and M. Brodbeck (Eds.), *Readings in the Philosophy of Science*; P. R. Foot (Ed.), *Theories of Ethics*; P. L. Gardiner (Ed.), *Theories of History*; D. F. Gustafson (Ed.), *Essays in Philosophical Psychology*; S. Hook (Ed.), *Determinism and Freedom in the Age of Modern Science*; T. P. R. Laslett (Ed.), *Philosophy, Politics and Society*; T. P. R. Laslett and W. G. Runciman (Eds.), *Philosophy, Politics and Society (Second Series and Third Series)*; A. I. Melden (Ed.), *Ethical Theories: A Book of Readings*; H. Meyerhoff (Ed.), *The Philosophy of History in our Time*; M. Natanson (Ed.), *Philosophy of the Social Sciences*; P. H. Nidditch (Ed.), *The Philosophy of Science*; F. A. Olafson (Ed.), *Society, Law and Morality: Readings in Social Philosophy*; W. S. Sellars and J. Hospers (Eds.), *Readings in Ethical Theory*; P. F. Strawson (Ed.), *Studies in*

## Sociology

*the Philosophy of Thought and Action*; A. R. White (Ed.), *The Philosophy of Action*.

(iv) RECENT COMMENTARIES AND SURVEYS: P. Corbett, *Ideologies*; M. W. Cranston, *Freedom: A New Analysis*; A. P. d'Entrèves, *Natural Law*; E. Fromm, *Sigmund Freud's Mission*; W. H. Greenleaf, *Oakeshott's Philosophical Politics*; D. Lyons, *Forms and Limits of Utilitarianism*; W. J. M. Mackenzie, *Politics and Social Science*; J. P. Plamenatz, *Man and Society*; J. P. Plamenatz, *The English Utilitarians*; W. G. Runciman, *Social Science and Political Theory*; H. M. Warnock, *Ethics since 1900*.

(v) SELECTED STANDARD WORKS: Aristotle, *The Nicomachean Ethics*; J. Bentham, *An Introduction to the Principles of Morals and Legislation*; J. Butler, *Sermons on Human Nature*; D. Cauter (Ed.), *Essential Writings of Karl Marx*; E. Durkheim, *Sociology and Philosophy*; S. Freud, *Civilisation and Its Discontents*; T. Hobbes, *Leviathan* (Ed. M. J. Oakeshott); E. J. E. Hobsbawm (Ed.), *Karl Marx: Pre-Capitalist Economic Formations*; D. Hume, *A Treatise of Human Nature, being an attempt to introduce the experimental method of reasoning into moral subjects*; I. Kant, *Groundwork of the Metaphysics of Morals* (Ed. H. J. Paton); I. Kant, *The Doctrine of Virtue* (Trans. M. J. Gregor); W. A. Kaufmann (Ed.), *Hegel: Reinterpretation, Texts and Commentary*; K. Marx and F. Engels, *The German Ideology*; J. S. Mill, *Utilitarianism, Liberty and Representative Government*; G. E. Moore, *Principia Ethica*; Plato, *The Republic*; M. Weber, *The Methodology of the Social Sciences*; E. A. Westermarck, *Ethical Relativity*.

(vi) RECENT WORKS: L. Althusser, *Essays in Marxist Philosophy*; D. E. Apter, *The Politics of Modernisation*; J. L. Aranguren, *Human Communication*; R. Aron, *The Opium of the Intellectuals*; A. J. Ayer, *Language, Truth and Logic*; B. M. Barry, *Political Argument*; J. F. Bennett, *Rationality*; P. L. Berger, *Invitation to Sociology: A Humanistic Perspective*; P. L. Berger and T. Luckmann, *The Social Construction of Reality*; I. Berlin, *Four Essays on Liberty*; R. B. Brandt, *Hopi Ethics*; J. W. Burrow, *Evolution and Society*; M. J. Cowling, *Mill and*

*Liberalism*; M. J. Cowling, *The Nature and Limits of Political Science*; B. R. Crick, *In Defence of Politics* (Pelican edn.); C. A. R. Crosland, *The Future of Socialism*; R. A. Dahl, *Preface to Democratic Theory*; A. C. Danto, *Analytical Philosophy of History*; P. A. Devlin, *The Enforcement of Morals*; M. Djilas, *The New Class*; M. M. and A. Edel, *Anthropology and Ethics*; D. Emmet, *Rules, Roles and Relations*; L. S. Feuer, *Psychoanalysis and Ethics*; J. C. Flugel, *Man, Morals and Society*; W. B. Gallie, *Philosophy and the Historical Understanding*; P. L. Gardiner, *The Nature of Historical Explanation*; M. Ginsberg, *Essays in Sociology and Social Philosophy* (3 vols.); M. Ginsberg, *On Justice in Society*; L. Goldmann, *The Hidden God*; M. J. Gregor, *Laws of Freedom*; R. M. Hare, *The Language of Morals*; R. M. Hare, *Freedom and Reason*; H. L. A. Hart, *The Concept of Law*; H. L. A. Hart, *Law, Liberty and Morality*; H. L. A. Hart, *The Morality of the Criminal Law*; L. T. Hobhouse, *The Metaphysical Theory of the State*; E. Kamenka, *The Ethical Foundations of Marxism*; E. Kedourie, *Nationalism*; H. Kohn, *Nationalism: Its Meaning and Origins*; T. S. Kuhn, *The Structure of Scientific Revolutions*; J. Ladd, *The Structure of a Moral Code*; G. Lichtheim, *Marxism*; A. R. Louch, *Explanation and Human Action*; A. Macbeath, *Experiments in Living*; A. C. MacIntyre, *The Unconscious: A Conceptual Analysis*; C. B. Macpherson, *The Political Theory of Possessive Individualism*; K. Mannheim, *Ideology and Utopia*; H. Marcuse, *One-Dimensional Man*; H. Marcuse, *Reason and Revolution*; K. R. Minogue, *The Liberal Mind*; R. E. Money-Kyrle, *Man's Picture of the World*; R. E. Money-Kyrle, *Psychoanalysis and Politics*; E. Nagel, *The Structure of Science*; M. J. Oakeshott, *Rationalism in Politics and Other Essays*; T. Parsons, *The Structure of Social Action*; K. R. Popper, *The Open Society and Its Enemies*; K. R. Popper, *The Poverty of Historicism*; A. N. Prior, *Logic and the Basis of Ethics*; M. Richter, *The Politics of Conscience: T. H. Green and His Age*; G. Sartori, *Democratic Theory*; J.-P. Sartre, *The Problem of Method* (Trans. H. E. Barnes); W. J. H. Sprott, *Science and Social*

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*Action*; C. L. Stevenson, *Facts and Values: Studies in Ethical Analysis*; S. Strasser, *Phenomenology and the Human Sciences*; J. L. Talmon, *The Origins of Totalitarian Democracy*; J. L. Talmon, *Political Messianism: The Romantic Phase*; R. M. Tucker, *Myth and Reality in Karl Marx*; C. H. Waddington *et al.*, *Science and Ethics*; P. G. Winch, *The Idea of a Social Science*.

### 834(i) Introduction to Social and Moral Philosophy

Mrs Barker. Twelve lectures, Michaelmas and Lent Terms.  
For B.Sc. (Soc.); B.Sc. (Soc. Psych.)

**Syllabus** This course covers two main areas: (1) conceptual, evaluational and methodological problems in sociology (2) basic issues of ethical theory with special reference to their social application.

### 834(ii) Introduction to Social and Moral Philosophy

Mrs Barker. Ten lectures, Michaelmas Term.

For B.Sc. (Econ.) Part II: *Social Philosophy*, VI 8 f; VII 7 and 8 I; IX 5 (second year).

### 834(iii) Social and Political Theory

Dr Sklair. Twelve lectures, Lent Term.

For B.Sc. (Econ.) Part II *Social Philosophy*, VI 8 f; VII 7 and 8 I; IX 5 (second and third years); B.A./B.Sc.(Soc.) Branch I, 4 (second year) and interested students.

**Recommended reading** See Note on page 494. Further references for reading will be given during the course.

### 835 Values and Concepts

Professor Gellner. Michaelmas and Lent Terms.

For B.Sc. (Econ.) Part II: *Social Philosophy*, VI 8 f; VII 7 and 8 I; IX 5;

*Moral and Political Philosophy*, XVI 4a (second and third years); B.A./B.Sc. (Soc.) Branch I, 4 (second year); B.Sc. (Soc.).

**Syllabus** Selected recent or contemporary social philosophies will be discussed.

**Recommended reading** See Note on page 494. Further references for reading will be given during the course.

### 836 Concepts of Society

Professor Gellner. Michaelmas and Lent Terms.

For B.Sc. (Econ.) Part II: *Theories and Methods of Sociology*, IX 4; *Philosophy of Social Sciences*, XVI 8a (third year); B.A./B.Sc. (Soc.) Branch I (third year; optional for second year); M.Sc.: *Theories and Concepts of Political Sociology*, XX 3 (ix); *Political Stability and Change*, XX 3(xii); *The Study of Political Behaviour*, XX 3(xiii); *Political Sociology*, XVI 4.

**Syllabus** Theories concerning the specific character of social knowledge and their methodological implications; discussion of the use of philosophical theories of knowledge for purposes of legitimation.

**Recommended reading** See Note on page 494. Further references for reading will be given during the course.

### 837 Social Philosophy (Classes)

(a) Michaelmas and Lent Terms.

For B.Sc. (Econ.) Part II: *Social Philosophy*, VI 8 f; VII 7 and 8 I; IX 5 (second year).

(b) Fortnightly, Michaelmas and Lent Terms.

For B.Sc. (Econ.) Part II: *Social Philosophy*, VI 8 f; VII 7 and 8 I; IX 5 (third year); B.A./B.Sc. (Soc.) Branch I, 4 (second year).

### 838 Philosophical Sociology

Dr Swingewood. Eight lectures, Lent Term.

For interested students, especially B.A./B.Sc. (Soc.) (second and third years);

## Sociology

B.Sc. (Econ.) Part II: special subject Sociology; M.Sc.: Sociology.

**Syllabus** The course will examine the relationship between philosophy and sociology. The treatment will be both historical and critical. It will consist of selected aspects of the following: the origins of social theory; the Scottish and the French Enlightenments; Hegel, Comte, and political economy; Marxism and sociology; ideology and sociology; the development of English sociology; contemporary sociological treatment of working-class consciousness and class conflict.

**Recommended reading** A. Ferguson, *Essay on the History of Civil Society*; G. W. F. Hegel, *Phenomenology of the Mind*; A. Comte, *Essays*; E. Durkheim, *Philosophy and Sociology*; Marx and Engels, *The German Ideology* and other texts; G. Lukács, *History and Class Consciousness*; *The Theory of the Novel*; L. Goldmann, *The Hidden God*; *The Human Sciences and Philosophy*; H. Marcuse, *Reason and Revolution*; *One-Dimensional Man*; *Negations*; T. Parsons, *Sociological Theory and Modern Society*; *Essays in Sociological Theory*; R. Dahrendorf, *Class and Class Conflict in Industrial Society*; *Essays in the Theory of Society*; J. E. Goldthorpe, D. Lockwood *et al.*, *The Affluent Worker*.

### 839 Sociology of Science

Dr Sklair. Eight lectures, Michaelmas Term.

For interested students, especially B.A./B.Sc. (Soc.) (second and third years); B.Sc. (Econ.) Part II: special subject Sociology; M.Sc.: Sociology.

**Syllabus** Approaches to the sociology of science; heuristic model of science as a social institution; scientific occupations; scale and cost of science; characteristics of different institutional locations; the norms and values of science; the political sociology of science; the social functions of science; the sociology of the opposition to science and technology.

**Recommended reading** B. Barber, *Science and the Social Order*; B. Barber and W. Hirsch (Eds.), *The Sociology of Science*;

J. Bernal, *The Social Function of Science*; C. Danhof, *Government Contracting and Technological Change*; J. Ellul, *The Technological Society*; W. Hagstrom, *The Scientific Community*; W. Hirsch, *Scientists in American Society*; T. Kuhn, *The Structure of Scientific Revolutions* (2nd edn.); I. Lakatos and A. Musgrave (Eds.), *Criticism and the Growth of Knowledge*; S. Lakoff (Ed.), *Knowledge and Power*; R. Merton, *Social Theory and Social Structure*, part 4; T. Parsons, *The Social System*, chap. 8; D. Price, *Little Science, Big Science*; L. Sklair, *The Sociology of Progress*; N. Storer, *The Social System of Science*.

Further references for reading will be given during the course.

### 840 Theories and Methods of Sociology

Dr Vaughan. Twenty lectures, Michaelmas and Lent Terms.

For B.Sc. (Econ.) Part II: *Theories and Methods of Sociology*, IX 4; *Philosophy of Social Knowledge*, XVI 8a; B.A./B.Sc. (Soc.) Branch I, 1; B.Sc. (Soc. Psych.); Dip. Soc. Anth. (second year). Recommended for M.Sc.: *Political Sociology* XVI 4; *Sociological Theory*, XX 1 (preliminary year).

**Syllabus** Nature and roles of sociological theory. Fundamental problems of sociological theory. Main types of theory of social structure, change and development.

**Recommended reading** E. Durkheim, *The Rules of Sociological Method*; *The Division of Labour in Society*; *Suicide*; *Elementary Forms of the Religious Life*; C. C. A. Bouglé, *Bilan de la Sociologie Française Contemporaine*; T. B. Bottomore and M. Rubel (Eds.), *Karl Marx: Selected Writings in Sociology and Social Philosophy*; S. Ossowski, *Class Structure in the Social Consciousness*; K. Marx, *The 18th Brumaire of Louis Bonaparte*; I. Plamenatz, *German Marxism and Russian Communism*; R. Tucker, *Philosophy and Myth in Karl Marx*; K. Wolff (Ed.), *The Sociology of Georg Simmel*; G. Simmel, *Conflict and The Web Group of Affiliations*; F. Toennies, *Community and Association*; H. H. Gerth and C. Wright Mills (Eds.), *From Max*

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Weber; M. Weber, *The Theory of Social and Economic Organization*; R. Aron, *German Sociology; Main Currents in Sociological Thought*; T. Parsons, *The Structure of Social Action*; R. Bendix, *Max Weber: An Intellectual Portrait*; R. K. Merton, *Social Theory and Social Structure*; J. A. Rex, *Key Problems of Sociology*; R. Bottomore, *Sociology: An Introduction to its Problems and Literature*; T. Abel, *Systematic Sociology in Germany*; J. S. Mill, *A System of Logic* (Book VI, *On the Logic of the Moral Sciences*); K. R. Popper, *The Poverty of Historicism*; M. Weber, *The Methodology of the Social Sciences*; P. Winch, *The Idea of a Social Science and its Relation to Philosophy*; R. Fletcher, *Auguste Comte and the Making of Sociology*; V. Pareto, *Mind and Society* (Book IV); S. Finer, *Pareto: Sociological Writings*; J. H. Meisel, *Pareto and Mosca*; E. Halévy, *The Growth of Philosophic Rationalism*; G. Cairns, *Philosophies of History*; L. Hobhouse, *Morals in Evolution*; P. Laslett and W. Runciman, *Philosophy, Politics and Society*.

### 840(a) Theories and Methods of Sociology (Class)

Fortnightly, Sessional.

For B.Sc. (Econ.) Part II: *Theories and Methods of Sociology*, IX 4.

### 840(b) Theories and Methods of Sociology (Class)

For B.Sc. (Soc. Psych.).

### 841 General Sociology (Classes)

Fortnightly, Sessional.

For B.A./B.Sc. (Soc.) Branch I (second and third years).

### 842 Environment and Heredity

Professor Glass. Six lectures, Summer Term.

For B.Sc. (Econ.) Part II: *Theories and Methods of Sociology*, IX 4 (second year) and interested students.

**Syllabus** Elements of human genetics. Difficulties of analysis when graded characters are concerned. The meaning and measurement of "environment". Alternative approaches to the study of the "nature-nurture" complex. Twin and foster-child studies. The use of follow-up inquiries. Specific illustrations of problems of analysis with reference to the trend of intelligence and to "problem families".

**Recommended reading** Introductory references: L. S. Penrose, *Outline of Human Genetics*; *The Biology of Mental Defect*; C. Stern, *Principles of Human Genetics*; W. C. Boyd, *Genetics and the Races of Man*; J. Sutter, *L'Eugénique*; R. S. Woodworth, *Heredity and Environment*. Other references will be given during the course.

### 843 Comparative Social Institutions

Professor Cohen. Twenty lectures, Michaelmas and Lent Terms.

For B.A./B.Sc. (Soc.) Branch I, 3 (third year); M.Sc.: Sociology (preliminary year).

**Syllabus** A comparative analysis of the relationship between power, property and ranking in simple and complex non-industrial societies. The bearing of such comparisons on certain theoretical problems concerning the relationship between coercion, commitment and inducement in social systems. A discussion with comparative examples of the thesis concerning the process of increasing economic rationality. A comparative analysis of the nature and function of family and kinship structures in simple and complex societies. The relevance of the study of non-industrial societies for the understanding of processes of modernisation. Methodological issues concerning the nature and types of comparative method in sociology.

**Recommended reading** K. A. Wittfogel, *Oriental Despotism*; S. M. Eisenstadt, *The Political Systems of Empires*; M. Bloch, *Feudal Society*; M. N. Srinivas, *Caste in Modern India, and Other Essays*; A. de Reuck (Ed.), *Caste and Race: Comparative Approaches*; M. Weber, *The Theory of Social and Economic Organisa-*

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*tion*; G. Dalton (Ed.), *Tribal and Peasant Economies*; R. Fox, *Kinship and Marriage*.

### 843(a) Comparative Social Institutions (Classes)

Ten classes, Lent Term.

For B.A./B.Sc. (Soc.) Branch I (third year).

### 844 The Social Structure of Modern Britain

Mr Westergaard, Professor McKenzie and Mr Burrage. Thirty-five lectures, Michaelmas and Lent Terms.

For B.Sc. (Econ.) Part II: *Social Structure of Modern Britain*, IX 6; X 1 and 2e; XV 5 and 6e; B.A./B.Sc. (Soc.) Branch I, 7 and 8a; Branch III, 6; B.Sc. (Maths.): 5-8k (second and third years); Dip. Soc. Admin. (second year and one-year); B.Sc. (Soc.).

**Syllabus** Concepts and contemporary issues of stratification; the economic basis of stratification; élites and the distribution of power; social mobility; cultural differences and the relations between classes; the influence of the educational system. Changes in industrial structure, including forms of ownership; changes in occupational structure and in the nature and distribution of skills; the system of industrial relations. The recruitment and distribution of the population; demographic changes and their social significance; the family: its structure and functions. Urban concentration and diffusion; land use planning and its social implications. Communication and mass media.

**Recommended reading** E. J. Hobsbawm, *Industry and Empire*; H. Perkin, *The Origins of Modern English Society*; R. K. Kelsall, *Population*; J. A. Banks, *Prosperity and Parenthood*; D. V. Glass, "Fertility Trends in Europe since the Second World War" (*Population Studies*, March 1969); O. R. McGregor, *Divorce in England*; C. Rosser and C. Harris, *The Family and Social Change*; W. Ashworth, *The Genesis of Modern British Town Planning*; R. Pahl (Ed.), *Readings in Urban Sociology*; Centre for Urban Studies (Ed.), *London:*

*Aspects of Change*; R. Frankenberg, *Communities in Britain*; M. Stacey, *Tradition and Change*; J. Littlejohn, Westrigg; P. Anderson and R. Blackburn (Eds.), *Towards Socialism*; T. B. Bottomore, *Elites and Society*; G. Routh, *Occupation and Pay in Great Britain, 1906-60*; J. L. Nicholson, *Redistribution of Income in the United Kingdom*; "The Incidence of Taxes and Social Service Benefits" (*Economic Trends*, February 1970); A. B. Atkinson, *Poverty in Britain and the Reform of Social Security*; P. Townsend (Ed.), *The Concept of Poverty*; T. Nichols, *Ownership, Control and Ideology*; Royal Commission on Trade Unions, *Report and Written Evidence of the Ministry of Labour and Research Papers*, Nos. 1, 3 and 6; J. E. T. Eldridge, *Industrial Disputes* (esp. chaps. 1-2); J. Child, *The Business Enterprise in Modern Industrial Society*; R. V. Clements, *Managers*; D. V. Glass, *Social Mobility in Britain*; S. M. Miller, "Comparative Social Mobility" (*Current Sociology*, Vol. IX, No. 1); K. Prandy, *Professional Employees*; R. K. Kelsall, *Higher Civil Servants in Britain*; D. Lockwood, *The Blackcoated Worker*; W. G. Runciman, *Relative Deprivation and Social Justice*; J. H. Goldthorpe *et al.*, *The Affluent Worker*; O. Banks, *Parity and Prestige in English Secondary Education*; D. V. Glass, "Education in England" in J. Floud *et al.* (Eds.), *Economy and Society*; J. W. B. Douglas *et al.*, *All Our Future*; C. Lacey, *Hightown Grammar*; Committee on Higher Education, *Report* (Cmd. 2154); E. Robinson, *The New Polytechnics*; W. Guttsman, *The British Political Elite*; R. T. McKenzie, *British Political Parties*; R. T. McKenzie and A. Silver, *Angels in Marble*; D. Butler and D. Stokes, *Political Change in Britain*; R. Miliband, *The State in Capitalist Society*; J. Blondel, *Voters, Parties and Leaders*; D. McQuail, *Towards a Sociology of Mass Communications*; F. Williams, *Dangerous Estate: the Anatomy of Newspapers*; B. Paulu, *British Broadcasting: Radio and Television in the United Kingdom*; D. A. Martin, *A Sociology of English Religion*; K. Inglis, *Churches and the Working Class in 19th Century England*; B. Wilson, *Religion and Secular*

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*Society*; B. Abel-Smith and R. B. Stevens, *Lawyers and the Courts*; M. Ginsberg (Ed.), *Law and Opinion in England in the Twentieth Century*; R. Glass, *Newcomers*; P. Foot, *Immigration and Race in British Politics*; E. J. B. Rose et al., *Colour and Citizenship*. Additional reading lists will be given for class work.

### 844(a) The Social Structure of Modern Britain (Classes)

For B.Sc. (Econ.) Part II: *Social Structure of Modern Britain*, IX 6; X 1 and 2e; XV 5 and 6e; B.Sc. (Maths) Part II: 5-8k (third year); B.A./B.Sc. (Soc.) Branch I, 7 and 8a (second and third years). B.Sc. (Soc.).

### 845 The Social Structure of Modern Britain: Selected Topics

Professor Glass, Mr Burrage, Professor D. A. Martin, Mr Westergaard and others. Michaelmas and Lent Terms.

For B.A./B.Sc. (Soc.) Branch I, 7 and 8a (third year). Optional for B.Sc. (Econ.) Part II: *Social Structure of Modern Britain*, IX 6; X 1 and 2e; XV 5 and 6e; B.Sc. (Maths.) Part II: 5-8k (third year).

A syllabus will be given at the beginning of the course.

### 846 Graeco-Roman Society

Mr Hopkins. Ten lectures, Michaelmas Term.

For B.A./B.Sc. (Soc.) Branch I, 7 and 8b (second year).

Syllabus and recommended reading will be given during the course.

### 846(a) Graeco-Roman Society (Class)

Twenty classes, Michaelmas and Lent Terms.

For B.A./B.Sc. (Soc.) Branch I, 7 and 8b (second year).

Syllabus and recommended reading will be given during the course.

### 846(b) Graeco-Roman Society (Class)

Twenty classes, Michaelmas and Lent Terms.

For B.A./B.Sc. (Soc.) Branch I, 7 and 8b (third year).

### 847 Social Change and Development in Contemporary Africa

Dr Peel. Twenty lectures, Michaelmas and Lent Terms.

For interested students, especially B.A./B.Sc. (Soc.) Branch I (second and third years); B.Sc. (Econ.) Part II: special subject Sociology; M.Sc. Sociology, especially those taking the option Sociology of Development.

**Syllabus** 1 African countries as national societies compared with other developing countries. Colonialism and its import. Growth of national movements up to independence. Nationalist élites and ideologies. Relations between African countries and industrial nations. 2 Social processes within the nation. Labour migration. Rural transformation: effects of cash-cropping; are African farmers peasants? Religious changes: Christianity, Islam, independency and religious movements. Urbanisation and industrialisation. Entrepreneurs. Trades unions. Is there a proletariat? Politicians and people. Local level politics, political brokerage, parties, corruption. 3 Integration of centre and periphery. Local and national levels of interaction. Tribalism and civil wars. Non-tribal sources of conflict. Elite-masses relations. Are there social classes? Overall directions of change. Options, constraints and costs of development strategies.

Recommended reading will be given at the beginning of the course.

### 848 Social Structure and Social Change

Dr Mouzelis and Dr Peel. Twenty lectures, Michaelmas and Lent Terms.

For B.A./B.Sc. (Soc.) Branch I, 9 and 10a (second year).

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**Recommended reading** R. M. MacIver, *Social Causation*; M. Ginsberg, *Essays in Sociology and Social Philosophy*, Vol. III; W. L. Wallace (Ed.), *Sociological Theory*; W. W. Rostow, *The Stages of Economic Growth*; G. Hunter, *The New Societies of Tropical Africa*; J. Steward, *Social Evolution*; R. Redfield, *The Primitive World and its Transformations*; S. M. Lipset, *Political Man*; E. and A. Etzioni, *Social Change*; B. Hoselitz, *Sociological Aspects of Economic Growth*; N. J. Smelser, *Social Change in the Industrial Revolution*; C. Kerr et al., *Industrialism and Industrial Man*; C. C. Brinton, *The Anatomy of Revolution*; D. C. McClelland, *The Achieving Society*; B. F. Hoselitz and W. E. Moore, *Industrialization and Society*; W. J. Goode, *The Modern Revolution and the Family*; A. de Tocqueville, *Democracy in America*; C. Johnson, *Revolution and the Social System*; G. M. Meier, *Leading Issues in Development Economics*; A. Gerschenkron, *Economic Backwardness in Historical Perspective*; L. Coser, *Men of Ideas*; E. R. Sahlins and M. D. Service, *Evolution and Culture*; T. Parsons, *Societies, Evolutionary Perspectives*; P. A. Sorokin, *Social Philosophies of an Age of Crisis*; B. Moore, *The Social Origins of Dictatorship and Democracy*; R. Bendix, *Nation-Building and Citizenship*; *Work and Authority in Industry*; P. Baran, *The Political Economy of Growth*; A. Guder Frank, *Capitalism and Underdevelopment in Latin America*; C. Veliz (Ed.), *The Policy of Conformity in Latin America*. Further reading will be given at the beginning of the course.

### 848(a) Social Structure and Social Change (Classes)

Michaelmas and Lent Terms.

For B.A./B.Sc. (Soc.) Branch I, 9 and 10a (second and third years).

### 849 Sociology of Religion

Professor Gellner, Mr M. Hill and Mrs Scharf. Michaelmas and Lent Terms.

For B.Sc. (Econ.) Part II: *Comparative Morals and Religion* IX 8d (second year);

B.A./B.Sc. (Soc.), Branch I, 9 and 10c (second year); M.Sc.: *Sociology of Religion*, XX 3 (iv); Dip. Soc. Anth. (first year).

**Syllabus** Mr Hill and Mrs Scharf: an introduction to the study of socially shared belief systems, their institutional aspects and relations with the rest of the social order, and their connections with conduct. Professor Gellner and Mr Hill: sociology of Islam, Judaism and early Christianity. Religion in developing societies. Religion in advanced industrial societies.

Recommended reading will be given during the course.

### 849(a) Sociology of Religion (Class)

Professor D. A. Martin and Mrs Scharf. Michaelmas and Lent Terms. In connection with Course No. 849.

### 850 Political Sociology

Professor McKenzie and Mr Stewart. Thirty lectures.

For B.Sc. (Econ.) Part II: *Political Sociology*, IX 8c; B.A./B.Sc. (Soc.) Branch I, 9 and 10f; M.Sc.: *Theories and Concepts of Political Sociology*, XX (xi); *Political Stability and Change*, XX (xii); *The Study of Political Behaviour*, XX (xiii) (preliminary and final years); *Political Sociology*, XVI 4.

(i) Second Year. Michaelmas and Lent Terms.

(ii) Third Year. Lent Term.

**Syllabus** The meaning, scope and method of political sociology: some basic concepts. The contribution of a selected list of writers to the historical development of the subject (including Marx, Tocqueville, Pareto, Michels, Mosca, Sorel, Ostrogorski, Weber, Graham Wallas). The relations of the state to other institutions. Social movements, political parties and interest groups: their place in the political process; problems of their inner development; leadership, oligarchy

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and bureaucracy. The study of political behaviour: participation and non-participation in politics; factors influencing electoral choice; the mass media and public opinion. Decision-making and the political process: the role and social background of political decision-makers. Bureaucracy and the administrative process. The sociology of political instability and change.

**Recommended reading** S. M. Lipset, *Political Man*; S. M. Lipset (Ed.), *Politics and the Social Sciences*, E. Nordlinger (Ed.), *Politics and Society*; H. Hyman, *Political Socialization*; W. Mitchell, *Sociological Analysis and Politics*; R. Bendix and S. M. Lipset, *Class, Status and Power* (2nd edn., pp. 201-266); R. Michels, *Political Parties* (Collier edn. with Foreword S. M. Lipset); S. Eldersveld, *Political Parties*; R. T. McKenzie, *Angels in Marble*; M. Weber, "Politics as a Vocation" and "Bureaucracy" in H. H. Gerth and C. W. Mills (Eds.), *From Max Weber*; R. T. McKenzie, *British Political Parties*; S. Beer, *Modern British Politics*; R. Miliband, *The State in Capitalist Society*; V. O. Key, *Politics, Parties and Pressure Groups*; G. Wallas, *Human Nature in Politics*; W. G. Runciman, *Social Science and Political Theory*; A. Ranney (Ed.), *Essays on the Behavioural Study of Politics*; N. W. Polsby et al., *Politics and Social Life*; H. H. Eckstein and D. E. Apter (Eds.), *Comparative Politics*; R. Aron, *Main Currents in Sociological Thought*; M. Ostrogorski, *Democracy and the Organisation of Political Parties*; M. Duverger, *Political Parties*; J. LaPalombara and M. Weiner, *Political Parties and Political Development*; A. Leiserson, *Parties and Politics*; G. Mosca, *The Ruling Class*; S. Finer, *Pareto*; C. W. Mills, *The Power Elite*; W. L. Guttsman, *The British Political Elite*; *The English Ruling Class*; T. B. Bottomore, *Elites and Society*; R. Dahl, *Who Governs?*; A. Rose, *The Power Structure*; R. E. Lane, *Political Ideology*; K. Shell, *The Democratic Political Process*; R. K. Merton and others, *Reader in Bureaucracy*; J. A. Schumpeter, *Capitalism, Socialism and Democracy*; R. E. Lane and D. Sears, *Public Opinion and Ideology*; B. R. Berelson

and M. Janowitz (Eds.), *Reader in Public Opinion and Communication*; J. T. Klapper, *The Effects of Mass Communication*; H. D. Lasswell, *Politics*; *Who Gets What, When, How*; H. D. Lasswell and A. A. Kaplan, *Power and Society*; D. Easton, *A Framework for Political Analysis*; P. Pulzer, *Political Representation and Elections*; R. Rose, *Politics in England*; *Studies in British Politics*; J. Trenaman and D. McQuail, *Television and the Political Image*; B. R. Berelson and others, *Voting*; A. Campbell and others, *The American Voter*; E. Burdick and A. J. Brodbeck (Eds.), *American Voting Behaviour*; D. Butler and D. Stokes, *Political Change in Britain*; W. Kornhauser, *The Politics of Mass Society*; S. E. Finer, *Anonymous Empire*; *The Political Quarterly*, January-March, 1958: Special Number on Pressure Groups; M. Harrison, *Trade Unions and the Labour Party since 1945*; D. B. Truman, *The Governmental Process*; L. Trotsky, *The Revolution Betrayed*; M. Fainsod, *How Russia is Ruled*; Barrington Moore, Jr., *Soviet Politics*; I. Deutscher, *The Unfinished Revolution*; G. A. Almond and S. Verba (Eds.), *Political Culture and Political Development*; I. de S. Pool et al., *Candidates, Issues and Strategies*; E. Allardt and Y. Littonen, *Cleavages, Ideologies and Party Systems*; S. M. Lipset and S. Rokkan, *Party Systems and Voter Alignments*; S. Rokkan, *Citizens, Elections, Parties*; E. Allardt and S. Rokkan (Eds.), *Mass Politics*; Barrington Moore, Jr., *Social Origins of Dictatorship and Democracy*; P. Nettl, *Political Mobilisation*; C. Johnson, *Revolutionary Change and Revolution and the Social System* (Hoover Institution Studies, No. 3, 1964); N. Smelser, *Theory of Collective Behaviour*; D. Easton and J. Dennis, *Children and the Political System*

### 850(a) Political Sociology (Classes)

Ten classes, Lent Term.

For B.Sc. (Econ.) Part II: *Political Sociology*, IX 8c; B.A./B.Sc. (Soc.) Branch I, 9 and 10f (second year).

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### 850(b) Political Sociology (Seminar/Classes)

Fortnightly, Michaelmas and Lent Terms.

For B.Sc. (Econ.) Part II: *Political Sociology*, IX 8c; B.A./B.Sc. (Soc.) Branch I, 9 and 10f (third year). Interested students may wish to attend Course No. 544 Political Change and Political Development.

### 851 Industrial Sociology

Dr Mouzelis, Mr Hilbourne, Mr Hadley and Mr Burrage. Twenty lectures, Michaelmas and Lent Terms.

For B.A./B.Sc. (Soc.) Branch I, 9 and 10g; Branch III, 7e; B.Sc. (Econ.) Part II: *Industrial Sociology*, IX 8f (second year).

**Syllabus** The relation between industry and other elements of the social system, political, educational, demographic; stratification; industrial relations etc. The internal structure of industrial organizations examined with reference to worker morale, management structure, communication, productivity and other variables.

**Recommended reading** E. Schneider, *Industrial Sociology*; N. Smelser, *Sociology of Economic Life*; R. Bendix, *Work and Authority in Industry*; G. Friedmann, *Industrial Society*; J. G. Abegglen, *The Japanese Factory*; C. Kerr et al., *Industrialism and Industrial Man*; H. Marcuse, *One-Dimensional Man*; C. R. Walker (Ed.), *Modern Technology and Civilization*; R. Aron, *Eighteen Lectures on Industrial Society*; A. Etzioni, *Complex Organizations*; H. March and H. Simon, *Theory of Organizations*; S. R. Parker et al., *The Sociology of Industry*; S. M. Lipset et al., *Union Democracy*; E. Mayo, *The Social Problems of an Industrial Civilization*; P. M. Blau, *Dynamics of Bureaucracy*; A. Gouldner, *Patterns of Industrial Bureaucracy*; N. Mouzelis, *Organization and Bureaucracy*; T. Burns and G. Stalker, *The Management of Innovation*; M. Crozier, *The Bureaucratic Phenomenon*; J. Woodward, *Industrial*

*Organization*; H. M. Vollmer and D. L. Mills (Eds.), *Professionalisation*; W. Kornhauser, *Scientists in Industry*; D. Katz et al., *Productivity, Supervision and Morale among Railroad Workers*; L. Baritz, *The Servants of Power*; C. Argyris, *Integrating the Individual and the Organization*; R. Blauner, *Alienation and Freedom*; W. H. Scott et al., *Technical Change and Industrial Relations*; A. Touraine et al., *Workers' Attitudes to Technical Change*; J. H. Goldthorpe et al., *The Affluent Worker*; H. A. Simon, *The Shape of Automation*; T. Caplow, *Sociology of Work*; C. W. Mills, *White Collar*; N. Dennis et al., *Coal is Our Life*; Liverpool University, *The Dockworker*; J. Tunstall, *The Fishermen*; E. Chinoy, *Automobile Worker*; D. Lockwood, *The Blackcoated Worker*.

### 851(a) Industrial Sociology (Classes)

Fifteen classes, Michaelmas and Lent Terms.

For B.A./B.Sc. (Soc.) Branch I, 9 and 10g (third year); Branch III, 7e; B.Sc. (Econ.) Part II: *Industrial Sociology*, IX 8f (third year).

### 852 Industrial Sociology (Seminar)

Dr Mouzelis, Mr Hadley and others. Occasional seminars throughout the session.

For B.A./B.Sc. (Soc.) Branch I, 9 and 10g; Branch III, 7e; B.Sc. (Econ.) Part II: *Industrial Sociology*, IX 8f (second and third years).

### 853 Criminology

Miss Tomlinson. Sessional.

For B.Sc. (Econ.) Part II: *Criminology*, IX 8c (second year); B.A./B.Sc. (Soc.) Branch I, 9 and 10d (second year); Branch III (second year, especially for 7f); B.Sc. (Soc.) *Introduction to Criminology*. Optional for Dip. Soc. Admin. incl. Overseas Option (one-year and first year).

**Syllabus** Conception of crime. Functions and methods of criminology. Criminal types and causal factors in crime; physical, psychological, social and economic factors. Special problems; juvenile and

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female delinquency. Penal philosophy and psychology, especially meaning and objects of punishment. Penal history. The modern English penal system and the criminal courts. Problems of crime prevention.

### Recommended reading TEXTBOOKS:

H. Mannheim, *Comparative Criminology*; H. Jones, *Crime and the Penal System* (3rd edn.); E. H. Sutherland, *Principles of Criminology* (6th edn. revised by D. R. Cressey); N. Walker, *Crime and Punishment in Britain*; L. W. Fox, *The English Prison and Borstal Systems*; W. A. Elkin, *The English Penal System*; Central Office of Information, *The Treatment of Offenders in Britain*, 1960; U.K. Home Office, *Prisons and Borstals* (revised edn., 1960); M. Wolfgang et al. (Eds.), *Sociology of Crime and Delinquency*; *Sociology of Punishment and Correction*; M. Wolfgang and F. Ferracuti, *The Subculture of Violence*; G. Vold, *Theoretical Criminology*; D. Downes, *The Delinquent Solution*. FURTHER READING: D. R. Taft, *Criminology*; W. C. Reckless, *The Crime Problem*; *Criminal Behavior*; H. E. Barnes and N. K. Teeters, *New Horizons in Criminology*; S. Hurwitz, *Criminology*; H. Mannheim, *Group Problems in Crime and Punishment*; *Social Aspects of Crime in England between the Wars*; H. Mannheim and L. T. Wilkins, *Prediction Methods in Relation to Borstal Training*; H. Mannheim (Ed.), *Pioneers in Criminology*; S. S. and E. T. Glueck, *Unravelling Juvenile Delinquency*; *Physique and Delinquency*; *Family Environment and Delinquency*; S. S. Glueck (Ed.), *The Problem of Delinquency*; P. W. Tappan, *Juvenile Delinquency*; *Crime, Justice and Correction*; A. Aichhorn, *Wayward Youth*; C. L. Burt, *The Young Delinquent*; J. Bowlby, *Forty-four Juvenile Thieves*; *Maternal Care and Mental Health*; D. H. Stott, *Delinquency and Human Nature*; *Unsettled Children and their Families*; W. Healy and A. F. Bronner, *New Light on Delinquency and its Treatment*; M. L. Barron, *The Juvenile in Delinquent Society*; A. K. Cohen, *Delinquent Boys: The Culture of the Gang*; T. Ferguson, *The Young Delinquent in his Social Setting*; T. P. Morris, *The Criminal Area*; F. M. Thrasher, *The Gang*; F. Redl and D. Wineman, *Children Who Hate*; H. Bloch and F. Flynn, *The Juvenile*

*Offender in America Today*; G. M. Sykes, *The Society of Captives*; *Crime and Society*; W. Norwood East, *Society and the Criminal*; A. K. Cohen and others (Eds.), *The Sutherland Papers*; S. Rubin, *Crime and Juvenile Delinquency*; E. Powers and H. Witmer, *An Experiment in the Prevention of Delinquency: The Cambridge-Somerville Youth Study*; B. Wootton, *Social Science and Social Pathology*; W. M. and J. McCord, *Origins of Crime*; R. A. Cloward and L. E. Ohlin, *Delinquency and Opportunity*; G. B. Trasler, *The Explanation of Criminality*; H. Mannheim, *The Dilemma of Penal Reform*; *Criminal Justice and Social Reconstruction*; S. M. Fry, *Arms of the Law*; R. S. E. Hinde, *The British Penal System*; D. L. Howard, *The English Prisons*; J. F. S. King, *The Probation Service*; N. Morris, *The Habitual Criminal*; M. Grünhut, *Juvenile Offenders Before the Courts*; J. A. F. Watson, *The Child and the Magistrate*; P. W. Tappan (Ed.), *Contemporary Correction*; H. J. Klare, *Anatomy of Prison*; H. Ashley Weeks, *Youthful Offenders at Highfields*; W. E. Cavenagh, *The Child and the Court*; F. H. McClintock and others, *Attendance Centres*; F. H. McClintock and E. Gibson, *Robbery in London*; E. Green, *Judicial Attitudes in Sentencing*; R. Hood, *Sentencing in Magistrates' Courts*; R. G. Andry, *The Short-Term Prisoner*; J. B. Mays, *Crime and the Social Structure*; T. P. and P. J. Morris, *Pentonville*; D. R. Cressey (Ed.), *The Prison*; P. J. Morris, *Prisoners and their Families*.

THE FOLLOWING OFFICIAL SOURCES SHOULD BE CONSULTED: Annual Reports of the Commissioners of Prisons and of the Central After-Care Association; U.K. Home Office, *Criminal Statistics* (England and Wales), published annually as command papers; U.K. Home Office, *Reports on the Work of the Children's Department* (occasional). The following Reports: *Royal Commission on Capital Punishment*, 1953 (Cmd. 8932); *Royal Commission on the Law Relating to Mental Illness and Mental Deficiency*, 1957 (Cmd. 169); *Committee on Homosexual Offences and Prostitution*, 1957 (Cmd. 247); *Penal Practice in a Changing Society*, 1959 (Cmd. 645); *Report of the Committee on Children and Young Persons*, 1960 (Cmd.

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1191); *Committee on the Probation Service*, 1962 (Cmd. 1650); *Interdepartmental Committee on the Business of the Criminal Courts*, 1961 (Cmd. 1289); U.K. Home Office Advisory Council on the Treatment of Offenders, *Alternatives to Short Terms of Imprisonment*, 1957; *The After-Care and Supervision of Discharged Prisoners*, 1958; *The Treatment of Young Offenders*, 1959; *Corporal Punishment*, 1960; *Work for Prisoners*, 1961; *Preventive Detention*, 1962; U.K. Home Office, *The Probation Service: its Objects and its Organisation*, 1958; *Time Spent Awaiting Trial*, 1960; *Delinquent Generations*, 1960; *Murder*, 1961; United Nations IV. Social Welfare, *The Criminal Justice Act*, 1948; The Magistrates' Courts Act, 1952; The Prison Act, 1952, and the Prison Rules; The First Offenders Act, 1959; The Mental Health Act, 1959; The Criminal Justice Act, 1967.

### 853(a) Introductory Criminology (Class)

Dr Rock and Miss Tomlinson.  
Lent Term.

For B.A./B.Sc. (Soc.) Branch I, 9 and 10d; Branch III, 7f (second year); B.Sc. (Econ.) Part II: *Criminology*, IX 8c (second year); B.Sc. (Soc.) *Introduction to Criminology*.

### 854 Selected Problems of Criminology and Penology

Dr Rock and Miss Tomlinson.  
Sessional.

For B.Sc. (Econ.) Part II: *Criminology*, IX 8c (third year); B.A./B.Sc. (Soc.) Branch I, 9 and 10d, Branch III, 7f (third year). Optional for Dip. Soc. Admin. (second year and one-year). Suitable for students who have already attended Course No. 853.

Recommended reading As for Course No. 853. Further literature will be recommended during the course.

### 855 The Causes and Treatment of Crime (Seminar)

Dr Rock and Miss Tomlinson.  
Fortnightly, Michaelmas and Lent Terms.

For B.A./B.Sc. (Soc.) Branch I, 9 and 10d; Branch III, 7f (third year); B.Sc. (Econ.) Part II: *Criminology*, IX 8c (third year).

### 856 Sociology of Education

Dr Vaughan. Twenty lectures,  
Michaelmas and Lent Terms.

For B.A./B.Sc. (Soc.) Branch I, 9 and 10i; B.Sc. (Econ.) Part II, *Sociology of Education*, IX 8g (second year).

Syllabus The relationship between education and other social institutions. An examination of the changing relationship between education and these institutions, taking selected examples from various European countries, leading to a discussion of the main sociological theories of educational change.

Recommended reading will be given during the course.

### 856(a) Sociology of Education (Classes)

Sessional.

For B.A./B.Sc. (Soc.) Branch I 9 and 10i; B.Sc. (Econ.) Part II: *Sociology of Education*, IX 8g (second year).

### 856(b) Sociology of Education (Classes)

Sessional.

For B.A./B.Sc. (Soc.) Branch I 9 and 10 i; B.Sc. (Econ.) Part II: *Sociology of Education*, IX 8g (third year).

### 857 Mathematics for Sociologists (Introductory Course)

This course will not be given in the session 1971-72.

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### 858 Social Research (Classes)

Mr Westergaard, Mr Burrage and Miss Tomlinson. Michaelmas and Lent Terms.

For B.Sc. (Soc.) *Methods of Social Research* (first year).

### 859 Current Research in Sociology

Mr M. Hill and others. Ten lectures, Lent Term.

Optional for B.Sc. (Soc.) (first year) and for other interested students.

A different member of the teaching staff of the Sociology department will each week give a lecture on his own and related current research in various fields. A programme will be given at the beginning of the course.

## FOR GRADUATE STUDENTS

### M.Sc. Sociology, Preliminary Year

Courses 860(i)–861 are for preliminary-year graduate students of sociology preparing to take the departmental qualifying examination.

#### 860(i) Sociological Theory (Seminar)

Dr Sklair. Fortnightly, Sessional.

#### 860(ii) Social Institutions (Seminar)

Mr M. Hill. Fortnightly, Sessional.

#### 861 Methods of Social Investigation (Class)

Mr Westergaard.

Recommended reading will be given during the courses.

Students should also attend the following courses: 840, 843, 918, 920, 936.

### M.Sc. Sociology, Final-Year and Other Graduate Courses

#### 862 Sociological Theory

For M.Sc.: *Sociological Theory*, XX 1.

(i) Professor D. A. Martin, Dr Peel and others. Seminars, Sessional.

(ii) Professor Cohen. Ten lectures, Summer Term.

#### 863 Design and Analysis of Social Investigations

Mrs Spitz and Mr Westergaard. Sessional.

For M.Sc.: *Methods of Sociological Study*, III 3(i); XX 2. Other graduate students may attend only by arrangement with Mr Westergaard.

**Syllabus** The main problems arising in the design of social investigations, the collection of data and the analysis and interpretation of results.

**Recommended reading** Detailed recommendations will be made during the course, but the following may be regarded as introductory reading: E. Nagel, *The Structure of Science*; H. M. Blalock, *An Introduction to Social Research*, N. K. Denzin, *Sociological Methods*; C. Selltitz and others, *Research Methods in Social Relations*; C. A. Moser, *Survey Methods in Social Investigation*; C. Y. Glock (Ed.), *Survey Research in the Social Sciences*; B. S. Phillips, *Social Research: Strategy and Tactics*; S. Payne, *The Art of Asking Questions*; A. N. Oppenheim, *Questionnaire Design and Attitude Measurement*; H. Zeisel, *Say It with Figures*.

#### 864 Design and Analysis of Social Investigations: Project Class

Mr Westergaard. One-and-a-half hours per week, Lent and Summer Terms.

For M.Sc.: *Methods of Sociological Study*, XX 2. Arrangements may be made for students to take an alternative option to this.

## Sociology

### 865 Social Structure of Industrial Societies

Professor Glass and others.

Sessional. This course will include lectures and seminars.

For M.Sc.: *Social Structure of Industrial Societies*, XX 3(i).

**Syllabus** Demographic background. The family. Urbanisation. Occupational structure and industrial organization. Income and wealth. The nature and objectives of the educational system. Religion and religious institutions. Social stratification and social mobility. Political organization and the structure of power.

### 866 Sociology of Education

Dr Vaughan. Twenty seminars, Sessional.

For M.Sc.: *Sociology of Education*, XX 3(ii); M.Phil.

**Syllabus** Education as a selection and training device in Western European societies. The influence of social structure upon the forms and content of education.

Recommended reading will be given during the course.

### 867 Sociology of Deviant Behaviour

For M.Sc.: *Sociology of Deviant Behaviour*, XX 3(iii).

(i) Dr Rock. Ten lectures, Michaelmas Term.

(ii) Dr Rock and others. Seminars. Sessional.

**Syllabus** and recommended reading will be given at the beginning of the course.

### 868 Sociology of Religion (Seminar)

Professor D. A. Martin, Mrs Scharf and Mrs Barker. Sessional.

For M.Sc.: *Sociology of Religion*, XX 3(iv).

### 869 Sociology of Development (Seminar)

Professor Gellner, Dr Mouzelis, Mr Stewart and Dr Peel. Sessional.

For M.Sc.: *Sociology of Development*,

III 3(ii); XX 3(viii). Other graduate students may attend by arrangement.

**Recommended reading** B. F. Hoselitz and W. E. Moore, *Industrialisation and Society*; A. and E. Etzioni, *Social Change*; E. Wallerstein, *Social Change: the Colonial Situation*; C. Geertz (Ed.), *Old Societies and New States*; G. M. Meier (Ed.), *Leading Issues in Development Economics*; A. N. Agarwala and S. P. Singh (Eds.), *The Economics of Underdevelopment*; H. Myint, *The Economics of Developing Countries*; A. W. Lewis, *The Theory of Economic Growth*; A. Gerschenkron, *Economic Backwardness in Historical Perspective*; W. W. Rostow, *The Stages of Economic Growth*; B. F. Hoselitz, *The Sociological Aspects of Economic Growth*; S. Eisenstadt, *Modernisation—Protest and Change*; B. Moore, Jr., *The Social Origins of Dictatorship and Democracy*; A. G. Frank, *Capitalism and Underdevelopment in Latin America*; P. Baran, *The Political Economy of Growth*; R. Bendix, *Nation-Building and Citizenship*; G. A. Almond and J. S. Coleman, *The Politics of the Developing Areas*; M. Janowitz, *The Military in the Political Development of New Nations*; J. J. Johnson (Ed.), *The Role of the Military in Underdeveloped Countries*; L. P. Mair, *New Nations*; Peter Worsley, *The Third World*; E. A. Gellner, *Thought and Change*; D. Lerner, *The Passing of Traditional Society*; D. C. McClelland, *The Achieving Society*; J. A. Schumpeter, *The Theory of Economic Development*; C. Kerr et al., *Industrialism and Industrial Man*; R. Bendix, *Work and Authority in Industry*; J. J. Johnson, *Political Change in Latin America: the Emergence of the Middle Sectors*; J. Lambert, *Latin America*; N. J. Smelser and S. M. Lipset, *Social Structure, Mobility and Economic Development*.

### 870 Race Relations (Seminar)

Professor Cohen, Professor D. A. Martin and others. Twenty seminars, Sessional.

For M.Sc.: *Race Relations*, XX 3(x).

**Syllabus** Social structural, cultural and psychological aspects of relations between ethnic and racial groups in various



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societies and regions, e.g. North America, Southern Africa, S.E. Asia, Middle East, Britain. There will be a strong emphasis on general theoretical problems and the bearing of empirical cases on these.

Recommended reading will be given during the course.

### 871 Political Behaviour (Seminar)

Dr Miliband. Lent and Summer Terms.

For M.Sc.: *Political Sociology*, XVI 4; *The Study of Political Behaviour*, XX 3(xiii).

Note For Theories and Concepts of Political Sociology (M.Sc.: XVI 4; XX 3(xi)) and Political Stability and Change (M.Sc.: XVI 4; XX 3(xii)) see Courses Nos. 544, 545 and 548.

### 872 Research Project (Seminar)

Mr Hopper. Weekly, Lent and Summer Terms. This course will not be given in the Session 1971-72.

For M.Sc.: *Essay*, XX 3(xvi).

### 873 Social Problems (Evening Seminar)

This course may not be given in the session 1971-72.

For M.Phil. and Ph.D. students and others engaged in the fields of the sociology of deviance and crime and related areas. M.Sc. students may attend on application.

### 874 The Social Structure of France

Dr Vaughan. Ten fortnightly seminars, Lent and Summer Terms.

For graduate students in Sociology and Government.

**Syllabus** The milieu: natural and political. Population and class structure. The educational system. Rural France. Urban France. Workers and trade unions. The administrative and political personnel. The traditional forces: the Army and the Church.

Recommended reading will be given during the course.

### 875 The Social Structure of the U.S.S.R. and Poland

Dr Vaughan and Dr Weinberg. Fifteen lectures, Michaelmas and Lent Terms.

For interested students.

Recommended reading will be given during the course.

### 876 Sociology of Islam (Intercollegiate Seminar)

Professor Gellner, Professor I. M. Lewis and Dr A. Cohen. Sessional. Attendance by permission of the teachers concerned.

Recommended for M.Sc.: *Sociology of Development*, XX 3(viii).

### 877 Sociology of Literature (Seminar)

Dr Swingewood. Fortnightly, Sessional.

For interested students.

**Syllabus** This seminar will explore the theoretical problems of the sociology of literature and then discuss some empirical work.

### 878 Philosophical Sociology (Seminar)

Dr Roche and Dr Swingewood. Ten fortnightly seminars, Michaelmas and Lent Terms.

For graduate students in Sociology.

**Syllabus** To explore some problems in the sociology of knowledge and ideology, with particular reference to phenomenology, Marxism and existentialism.

### 879 Current Sociological Research (Seminar)

Fortnightly, Sessional.

Optional for M.Phil., Ph.D., and Research Fee students in Sociology.

## Statistics, Mathematics, Computing and Operational Research

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511	(a) Mathematics
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524	(f) Graduate Courses: Statistics
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## (a) MATHEMATICS

### 900 Basic Mathematics

Professor Sir Roy Allen. Twenty-five lectures, Sessional.

For B.Sc. (Econ.) Part I: alternative subject 1 (a) *Basic Mathematics*; B.Sc. (Econ.) Part II: *Introduction to Modern Mathematics*, I 2b; III 3i; V 2g; XVI 2b (second year); B.Sc. (Geog.) C 151. Open to others needing an introduction to modern algebra and the calculus; no specific knowledge of elementary mathematics is assumed.

**Syllabus** Concepts of sets, groups and fields. The idea of a function. Mappings and transformations with simple examples. The elementary functions (including the exponential function, the logarithmic function and the circular functions), their expansions, derivatives and integrals. Introduction to complex numbers, to vectors and matrices.

**Recommended reading** I. Adler, *The New Mathematics*; R. G. D. Allen, *Basic Mathematics*; G. H. Hardy, *Pure Mathematics*; W. W. Sawyer, *Mathematician's Delight*; *Prelude to Mathematics* (Pelican Books); C. J. Tranter, *Advanced Level Pure Mathematics*.

**FURTHER READING:** G. Birkhoff and S. MacLane, *A Survey of Modern Algebra*; R. Courant and H. Robbins, *What is Mathematics?*; G. Hadley, *Linear Algebra*; J. G. Kemeny, J. L. Snell and G. L. Thompson, *Introduction to Finite Mathematics*; E. A. Maxwell, *An Analytical Calculus*.

### 900(a) Basic Mathematics First-Year Class

Dr Knott, Dr Scott, Dr Smith, and others. Twenty-five classes, Sessional.

For B.Sc. (Econ.) Part I: alternative subject 1 (a) *Basic Mathematics*; B.Sc. (Geog.) C 151.

### 900(b) Basic Mathematics Second-Year Class

Lecturer to be announced. Twenty-five classes, Sessional.

For B.Sc. (Econ.) Part II: *Introduction to Modern Mathematics*, I 2b; III 3i; V 2g; XVI 2b (second year).

### 901 Introduction to Modern Mathematics

Lecturer to be announced. Two hours per week, Lent Term.

For B.Sc. (Econ.) Part II: *Introduction to Modern Mathematics*, I 2b; III 3i; V 2g; XVI 2b (third year).

### 902 Linear Algebra

Professor Offord. Twenty-five lectures, Sessional.

For B.Sc. (Econ.) Part I: alternative subject 1 (b) *Algebra and Methods of Analysis*; B.Sc. (Maths.) 3b (first year); B.Sc. (Geog.) C 152.

**Syllabus** Finite dimensional vector spaces. Linear dependence. Isomorphisms, linear mappings. Matrices.

### 902(a) Linear Algebra Class

Professor Offord, Dr Freedman and Dr R. A. Holmes. Twenty classes, Sessional, beginning in the third week of the Michaelmas Term.

For B.Sc. (Econ.) Part I: alternative subject 1 (b) *Algebra and Methods of Analysis*; B.Sc. (Geog.) C 152; B.Sc. (Maths.) 3b (first year).

### 903 Calculus

Dr R. A. Holmes. Twenty lectures, Michaelmas and Lent Terms.

For B.Sc. (Maths.) 3a (first year).

### 903(a) Calculus Class

Dr R. A. Holmes. Twenty classes, Michaelmas and Lent Terms.

**904 Elementary Calculus**

Dr J. L. Bell. Ten lectures, Michaelmas Term.

For B.Sc. (Econ.) Part I: alternative subject 1(b) *Algebra and Methods of Analysis*; B.Sc. (Geog.) C152.

**904(a) Elementary Calculus Class**

Dr J. L. Bell.

**905 Introduction to Analysis and Set Theory**

Dr Binmore. Fifty lectures, Sessional.

For B.Sc. (Maths.) 1 (first year); B.Sc. (Econ.) Part I: alternative subject 15, *Introduction to Analysis and Set Theory*; B.Sc. (Geog.) C 153; B.Sc. (Econ.) Part II: *Introduction to Analysis and Set Theory*, II 3a (iii), 3b (ii); V 2i; X 3b; XI 5, 6 and 7h (iii); XV 5 and 6f (i); XVI 2c (second year).

**Syllabus** Sets of points in one and several dimensions. Structure of sets, open sets, closed sets, countable sets. The notion of measure of a set. The notion of limit for sequences and functions of a continuous variable.

**Recommended reading** J. C. Burkill, *An Introduction to Mathematical Analysis*.

**905(a) Introduction to Analysis and Set Theory Class**

Professor Offord, Dr Binmore and Dr R. A. Holmes. Twenty-five classes, Sessional, beginning in the second week of the Michaelmas Term.

**906 Abstract Algebra**

Dr Freedman. Twenty-five lectures, Sessional.

For B.Sc. (Maths.) 2 (first year).

**Syllabus** Sets and mappings. Integers. Integral domains. Quotient fields. Polynomials. Euclidean rings. Elementary group theory.

**906 Abstract Algebra Class**

Dr Freedman. Twenty classes, Sessional, beginning in the third week of the Michaelmas Term.

For B.Sc. (Maths.) 2 (first year).

**907 Real Variable I**

Dr Binmore. Thirty lectures, Sessional.

For B.Sc. (Maths.) Part II, papers 1 and 2; B.Sc. (Econ.) Part II: *Real Variable*, II 3a (iv), 3b (iii); X 3c; XI 5, 6 and 7h (iv) (second year).

**Syllabus** Measure theory and integration. The fundamental theorem of the differential and integral calculus. Mean convergence with applications.

**907(a) Real Variable Second-Year Class**

Dr Binmore. Thirty classes, Sessional.

**908 Introduction to Topology**

Dr J. L. Bell. Thirty lectures, Sessional.

For B.Sc. (Maths.) Part II, papers 1 and 2; B.Sc. (Econ.) Part II: *Introduction to Topology and Axiomatic Set Theory*, XVI 2d (second year); M.Sc.: *Elements of Mathematical Logic*, XII A1; *Mathematical Logic* XII B1.

**Syllabus** Continuous functions. Uniform convergence. Topological spaces and function spaces.

**908(a) Topology Second-Year Class**

Dr J. L. Bell. Thirty classes, Sessional.

**908(b) Topology Third-Year Class**

Dr J. L. Bell.

**909 Algebra II**

Dr Freedman. Twenty lectures, Michaelmas and Lent Terms.

For B.Sc. (Maths.) Part II, 3 (second and third years).

**Syllabus** Rings. Unique factorisation and principal ideal domains. Finitely generated modules over a principal ideal domain. Applications to abelian groups and matrices.

**909(a) Algebra II Class**

Dr Freedman. Twenty classes, Sessional, beginning in the second week of the Michaelmas Term.

For B.Sc. (Maths.) Part II, 3 (second and third years).

**910 Complex Variable**

Miss Boardman. Twenty lectures, Michaelmas and Lent Terms.

For B.Sc. (Maths.) Part II, paper 3 (second year).

**Syllabus** Point set topology. Functions of a complex variable. Integration along piece-wise smooth curves. Cauchy's theorem for a triangle. Bilinear and other elementary transformations. Power series. Calculus of residues. The Maximum Principle.

**910(a) Complex Variable Second-Year Class**

Miss Boardman. Twenty classes, Sessional, beginning in the third week of the Michaelmas Term.

For B.Sc. (Maths.) Part II, paper 3 (second year).

**910(b) Complex Variable Third-Year Class**

For B.Sc. (Maths.) Part II, paper 3 (third year).

**911 Theory of Probability**

Dr R. A. Holmes. Sessional.

For B.Sc. (Maths.) Part II: paper 4 (third year).

**Syllabus** Boolean algebras and probability measures. Random variables, distribution and characteristic functions. Convergence of sequences of distribution functions and

their application to convergence theorems for sums of independent random variables.

**911(a) Theory of Probability Third-Year Class**

Dr R. A. Holmes.

For B.Sc. (Maths.) Part II, paper 4 (third year).

**912 Real Variable II**

Professor Offord. Sessional.

For B.Sc. (Maths.) Part II, papers 1 and 2 (third year).

**912(a) Real Variable II Class**

Professor Offord.

For B.Sc. (Maths.) Part II, papers 1 and 2 (third year).

**913 Algebra III**

Dr Freedman. Twenty-five lectures, Sessional. This course will not be given in the session 1971-72.

**913(a) Algebra III Class**

For B.Sc. (Maths.) Part II, paper 3 (third year).

**914 Mathematics A**

Professor Sargan and Mr Wymer.

(i) Second Year: three hours per week, Sessional.

(ii) Third Year: one hour per week, Lent Term.

For B.Sc. (Econ.) Part II: *Mathematics A*, I 2c; II 3a (i); III 3h; IV 6, 7 and 8i; V 2c; XI 5, 6 and 7h (i); Dip. Stats. 3 (i).

**Syllabus** Vectors, matrices and quadratic forms. Differential calculus of one and several variables. Stationary values. Lagrange multiplier. Complex numbers. Integral calculus. Series, expansions. Difference and differential equations.

**Recommended reading** G. Hadley, *Linear*

Algebra; D. Gale, *Theory of Linear Economic Models*; R. G. D. Allen, *Mathematical Analysis for Economists*; R. G. D. Allen, *Mathematical Economics*.

### 915 Mathematics B

Dr R. A. Holmes, Miss Boardman, Mr Hajnal, and Dr Knott. Two hours a week, Sessional.

For B.Sc. (Econ.) Part II: *Mathematics B*, I 2d; II 3a(ii); 3b(i); IV 6, 7 and 8i; V 2d; X 3a; XI 5, 6 and 7h (ii) (second year); Dip. Stats., 3 (ii).

### 915(a) Mathematics B Second-Year Class

Dr R. A. Holmes, Miss Boardman, Dr Knott and Mr Hajnal. Thirty hours, Sessional.

### 915(b) Mathematics B Third-Year Revision Class

Dr R. A. Holmes, Dr Knott and Mr Hajnal. Ten hours, Lent Term.

### 916 Introduction to Sets and Metric Spaces: Theory

Mr Foldes. Twenty lectures of one-and-a-half hours, Michaelmas Term.

For M.Sc.: *Advanced Mathematical Economics I and II*, V 2(v) and (vi).

**First three weeks only:** for M.Sc.: *Theory of Optimal Decisions*, IV 4 (vi).

**Syllabus** Elementary properties of sets, relations and functions. Equivalence and ordering relations. Cardinal numbers. Metrics, open and closed sets, limits, continuity. Compact and connected sets in metric spaces. Linear and affine spaces, subspaces and functions. Inner products and norms. Convex sets. Separating hyperplanes. Simplexes. Fixed points.

**Recommended reading** Basic reading: On sets and relations: R. R. Stoll, *Sets, Logic and Axiomatic Theories*, chap. 1. or P. R. Halmos, *Naive Set Theory*. Main

text: H. Nikaido, *Introduction to Sets and Mappings in Modern Economics*.

### 917 Mathematics for Mathematical Economics

Professor Sargan. Ten lectures, Lent Term.

For M.Sc.: *Advanced Mathematical Economics II*, V 2(vi).

**Syllabus** Kuhn-Tucker theorem, properties of non-negative matrices, stability of difference and differential equations systems, Lyapoumov functions.

**Recommended reading** H. W. Kuhn and A. W. Tucker, *Second Berkeley Symposium on Mathematical Statistics and Probability*; F. R. Gantmacher, *Applications of the Theory of Matrices*; K. Lancaster, *Mathematical Economics*; J. Bram and T. L. Saaty, *Non-Linear Mathematics*.

*Reference should also be made to the following courses:*

No. 494(i) **Boolean Algebras**

No. 494(ii) **Model Theory**

No. 494(iii) **Axiomatic Set Theory**

### (b) STATISTICAL THEORY AND METHOD

#### 918 Elementary Statistical Methods

Mrs Prais and Dr Reid. Sixteen lectures, Michaelmas and Lent Terms.

For B.Sc. (Econ.) Part I: alternative subject 8 *Methods of Social Investigation*; B.Sc. (Econ.) Part II: *Elements of Management Mathematics*, IV 3c; V 2a (second year); B.Sc. (Soc. Anth.) Part II, 3a; B.Sc. (Geog.) C 202; M.Sc.: Accounting and Finance (preliminary year); *Management Mathematics*, I 3; XIII option m; Dip. Soc. Admin. (first year and one-year).

**Syllabus** The analysis and presentation of statistical data. Tables, graphs, and diagrams. Measures of average and dispersion. Calculation of various kinds of

index numbers. Time-series and cross-section data. Elements of association and correlation. Basic ideas of statistical inference.

**Recommended reading** R. G. D. Allen, *Statistics for Economists*; A. R. Ilersic, *Statistics*; A. Bradford Hill, *Principles of Medical Statistics*; J. E. Freund and F. J. Williams, *Modern Business Statistics*; W. A. Wallis and H. V. Roberts, *Statistics, A New Approach*; B. C. Brookes and W. F. L. Dick, *Introduction to Statistical Method*.

#### 918(a) Elementary Statistical Methods Class

Mrs Prais, Dr Reid and others. Nineteen classes, Sessional.

#### 919 Introductory Practical Statistics

Dr Phillips. Twenty lectures, Michaelmas and Lent Terms.

For Dip. Personnel Management; Trades Union Studies course.

**Recommended reading** R. Langley, *Practical Statistics for Non-Mathematical People*; C. A. Moser, *Survey Methods in Social Investigation*.

#### 920 Statistical Methods (Sociology)

Lecturer to be announced. Twenty lectures, Michaelmas and Lent Terms.

For B.A./B.Sc. (Soc.) Branch III, 5; B.Sc. (Soc.); B.Sc. Soc. Psych. (first year); M.Sc.: Sociology (preliminary year).

**Syllabus** Collection, definition and tabulation of data. Diagrammatic representation. Analysis of frequency distributions. Averages and measures of dispersion. Index numbers. The elementary theory of regression and correlation. Background of sampling theory. Calculation of sampling errors. The design of samples. The application of statistical methods to sociological problems.

**Recommended reading** A. R. Ilersic, *Statistics*; W. A. Wallis and H. V. Roberts, *Statistics, A New Approach*;

J. E. Freund and F. J. Williams, *Modern Business Statistics*; H. Zeisel, *Say It With Figures*; L. G. Gotkin and L. S. Goldstein, *Descriptive Statistics*; S. M. Dornbusch and C. F. Schmid, *A Primer in Social Statistics*; M. W. Tate, *Statistics in Education and Psychology*; G. Kalton, *Introduction to Statistical Ideas*; H. M. Blalock, *Social Statistics*.

#### 920(a) Statistical Methods (Sociology) Class

Lecturer to be announced.

Twenty classes, Michaelmas and Lent Terms.

For B.A./B.Sc. (Soc.) Branch III, 5; B.Sc. (Soc.); B.Sc. Soc. Psych. (first year); M.Sc.: Sociology (preliminary year).

#### 920(b) Statistical Methods (Sociology) Class

(i) Mrs Spitz. Ten hours, Lent Term.

For B.A./B.Sc. (Soc.) Branch III, 5 (third year).

(ii) Mrs Spitz and others. Ten hours, Lent Term.

For B.A./B.Sc. (Soc.) Branch I, 2 (second year).

#### 921 Elementary Statistical Theory I

Dr Wallis. Twenty-five lectures, Sessional.

**Whole course** for B.Sc. (Econ.) Part I: alternative subject 2 *Elementary Statistical Theory*; B.Sc. (Maths.) 4a (first year); B.Sc. (Geog.) C 201. **Michaelmas and Lent Terms only** for B.Sc. (Econ.) Part II: *Elements of Statistical Theory and Methods*, I 3e; II 5a; IV 3a; V 2e; XI 5, 6 and 7e; XVI 3c (second year).

**Syllabus** Descriptive statistics. Probability and distribution theory. Sampling. Estimation and tests of hypotheses. Statistical relationship. Time series.

**Recommended reading** INTRODUCTORY:

P. G. Hoel, *Elementary Statistics*.  
GENERAL: J. E. Freund, *Modern Elementary Statistics*; R. E. Walpole, *Introduction to Statistics*; R. J. and T. H. Wonnacott, *Introductory Statistics*.  
Further references will be given during the course.

**921(a) Elementary Statistical Theory I Class**

Dr Wallis and others. Twenty-three classes, Sessional, beginning in the third week of the Michaelmas Term.

**922 Elementary Statistical Theory II**

Dr Hendry. Ten lectures, Summer Term.

For B.Sc. (Econ.) Part II: *Elements of Statistical Theory and Methods*, I 3e; II 5a; IV 3a; V 2e; XI 5, 6 and 7e; XVI 3c; *Econometrics*, II 8a; *Econometric Theory*, II 7b; X 7 and 8d; B.Sc. Maths. 5, 6, 7 and 8h (second year).

**Syllabus** Theory of the general linear regression model. Partial and multiple correlations. A familiarity with matrix algebra will be assumed.

**Recommended reading** J. Johnston, *Econometric Methods*, chaps. 1-4.

**922(a) Elementary Statistical Theory II Classes**

Summer Term.

**923 Elements of Statistical Theory and Methods Revision Class**

Dr Reid. Eight classes, Lent Term, beginning in the third week.

For B.Sc. (Econ.) Part II: *Elements of Statistical Theory and Methods*, I 3e; II 5a; IV 3a; V 2e; XI 5, 6 and 7e; XVI 3c (third year).

**924 Probability**

Professor Durbin. Twelve lectures and five classes, Michaelmas and Lent Terms.

For B.Sc. (Econ.) Part II: *Statistical*

*Theory*, II 5b; *Probability, Distribution and Sampling Theory*, X 4; XI 5, 6 and 7c; B.Sc. (Maths.) Part II, 5, 6, 7 and 8a (second year); M.Sc.: *Foundations of Probability and Statistics*, XII A5, B5.

**Syllabus** Discrete sample spaces. Definitions and rules of probability. Conditional probability. Bayes' theorem. Independence. Random variables and calculus of expectations. Frequency-generating functions. Bernoulli trials. Binomial, negative binomial, Poisson, hypergeometric, multinomial distributions. Poisson process. Mixtures and compounds of distributions. Random walks. Markov chains.

**Recommended reading** W. Feller, *An Introduction to Probability Theory and its Applications* (Vol. I).

**925 Theory of Statistical Distributions**

Professor Stuart and others. Eighteen lectures and five classes. Lent and Summer Terms.

For B.Sc. (Econ.) Part II: *Statistical Theory*, II 5b; *Probability, Distribution and Sampling Theory*, X 4, XI 5, 6 and 7c; B.Sc. (Maths.) Part II, 5, 6, 7 and 8a (second year); M.Sc.: *Foundations of Probability and Statistics*, XII A5, B5.

**Syllabus** Distribution and frequency functions. Moments, cumulants and their generating functions. Characteristic functions. Distributions of sums. Weak law of large numbers and Central Limit theorem. Change of variables technique. Linear (including orthogonal) transformations. Ratios of random variables. Bivariate and multivariate generalisations. Independence. Order-statistics and functions of them. Distributions associated with the normal, including F,  $\chi^2$ , t and the bivariate normal. Standard errors.

**Recommended reading** A. M. Mood and F. A. Graybill, *Introduction to the Theory of Statistics*; M. G. Kendall and A. Stuart, *The Advanced Theory of Statistics*, Vol. I.

**926 Statistical Methods and Theory (Second Year)**

Dr Knott and Dr Smith. Twenty lectures, Lent and Summer Terms.

For B.Sc. (Econ.) Part II: *Theory of Statistical Methods*, X 5; B.Sc. (Maths.) Part II, 5, 6, 7 and 8b (second year).

**Syllabus** Applications and theory of the normal distribution, statistical tests and procedures, least squares, analysis of variance and covariance, regression and correlation analysis.

**Recommended reading** N. R. Draper and H. Smith, *Applied Regression Analysis*; M. G. Kendall and A. Stuart, *The Advanced Theory of Statistics*, Vol. II; D. A. S. Fraser, *Statistics: An Introduction*.

**926(a) Statistical Methods and Theory Practical Class (Second Year)**

Dr Knott and Dr Smith. Ten classes, alternate weeks, Lent and Summer Terms.

**927 Statistical Methods and Theory (Third Year)**

Dr Scott and Dr Smith. Fifteen lectures, Michaelmas and Lent Terms.

For B.Sc. (Econ.) Part II: *Theory of Statistical Methods*, X 5; B.Sc. (Maths.) Part II, 5, 6, 7 and 8b (third year).

**Syllabus** Further analysis of variance and experimental design. Non-parametric methods. Sequential tests.

**Recommended reading** D. A. S. Fraser, *Statistics: An Introduction*; M. G. Kendall and A. Stuart, *The Advanced Theory of Statistics*, Vols. II and III; H. Scheffé, *The Analysis of Variance*; K. A. Brownlee, *Statistical Theory and Methodology in Science and Engineering*.

**927(a) Statistical Methods and Theory (Third Year) Class**

Dr Scott and Dr Smith. Five classes, Lent Term.

**928 Sample Survey Theory**

Dr Scott. Ten lectures, Michaelmas Term.

For Dip. Stats., 2 and 4; B.Sc. (Econ.) Part II: *Social Statistics and Survey Methodology* X 7 and 8c; XI 5, 6 and 7d; *Theory of Statistical Methods*, X 5; B.Sc. (Maths.) Part II, 5, 6, 7 and 8b and i (third year). Optional for M.Sc.: *Survey, Theory and Methods*, XXIII 7.

Further treatment of sample survey theory is provided in Course No. 974.

**Syllabus** Simple random sampling; stratification; multi-stage sampling. Optimum allocation for given cost function. Selection with unequal probabilities.

**Recommended reading** W. G. Cochran, *Sampling Techniques*; L. Kish, *Survey Sampling*; M. H. Hansen, W. N. Hurwitz and W. G. Madow, *Sample Survey Methods and Theory*; F. Yates, *Sampling Methods for Censuses and Surveys*; A. Stuart, *Basic Ideas of Scientific Sampling*; M. R. Sampford, *An Introduction to Sampling Theory*.

**929 Estimation and Tests**

Professor Stuart. Fifteen lectures and five classes, Michaelmas and Lent Terms.

For B.Sc. (Econ.) Part II: *Probability, Distribution and Sampling Theory*, X 4; XI 5, 6 and 7c; *Statistical Theory*, II 5b; B.Sc. (Maths.) Part II, 5, 6, 7 and 8a (third year); Dip. Stats., 2.

**Syllabus** Criteria of estimation: consistency, unbiasedness, efficiency, minimum variance. Sufficiency. Maximum likelihood estimation and its properties. Bayesian estimation. Confidence intervals. Elementary notions of the theory of tests.

**Recommended reading** A. M. Mood and F. A. Graybill, *Introduction to the Theory of Statistics*; D. V. Lindley, *Introduction to Probability and Statistics from a Bayesian Viewpoint*, Vols. I and II; M. G. Kendall and A. Stuart, *The Advanced Theory of Statistics*, Vol. 2 (chaps. 17, 18, 22).

**930 Statistical Theory Problems Class**

Professor Stuart. Thirteen classes, Lent and Summer Terms.

For B.Sc. (Econ.) Part II: *Statistical Theory*, II 5b; *Probability, Distribution and Sampling Theory*, X 4; XI 5, 6 and 7c; *Theory of Statistical Methods*, X 5; B.Sc. (Maths.) Part II, 5, 6, 7 and 8a (third year).

**(c) APPLIED STATISTICS**

**931 Macro-Economic Statistics: Sources and Applications**

Professor Sir Roy Allen and Mrs Prais. Twenty-five lectures, Sessional.

For B.Sc. (Econ.) Part II: *Economic Statistics* I 6a; II 7a; III 8c; IV 3b; VI 8h; XV 5 and 6b (second year); Dip. Stats., 7; graduate students by permission.

**Syllabus** An introduction to the main sources of macro-economic statistics. National income accounting: conceptual framework and methods of estimation. Elementary statistical techniques applied in the analysis of macro-economic data. Construction and estimation of simple econometric models.

**Recommended reading** E. Devons, *An Introduction to British Economic Statistics*; U.K. Central Statistical Office, *New Contributions to Economic Statistics*; *Economic Trends* (monthly); *National Income and Expenditure* (annual); *United Kingdom Balance of Payments* (annual); *National Accounts Statistics, Sources and Methods* (1968 edn); W. Beckerman, *An Introduction to National Income Analysis*; R. J. Nicholson, *Economic Statistics and Economic Problems*; R. G. D. Allen, *Statistics for Economists*; L. R. Klein, *Introduction to Econometrics*.

**931(a) Classes**

Classes will be arranged.

**932 Economics Statistics Revision Class**

Professor Sir Roy Allen and Mrs Prais. Six classes, Lent Term, beginning in the fifth week.

For B.Sc. (Econ.) Part II: *Economic Statistics*, I 6a; II 7a; III 8c; IV 3b; VI 8h; XV 5 and 6b (third year).

**933 International Trade and the Balance of Payments**

Professor Sir Roy Allen. Five lectures, Summer Term.

For B.Sc. (Econ.) Part II: *Economic Statistics*, I 6a; II 7a; III 8c; IV 3b; VI 8h; XV 5 and 6b (second year); Dip. Stats., 7.

**Syllabus** International trade in goods and services. Indices of prices and volume of trade; the terms of trade. The U.K. balance of payments and its relation to the national income accounts.

**Recommended reading** U.K. Central Statistical Office, *United Kingdom Balance of Payments* (annual) and other sources specified during the course.

**934 Applied Statistical Methods Practical Class (Second Year)**

Dr Knott and Dr Smith. Ten classes, alternate weeks, Lent and Summer Terms.

For B.Sc. (Econ.) Part II: *Applied Statistical Methods*, X 6.

**935 Applied Statistical Methods Practical Class (Third Year)**

Dr Knott and others. Ten classes, alternate weeks, Michaelmas and Lent Terms.

For B.Sc. (Econ.) Part II: *Applied Statistical Methods*, X 6.

**936 Survey Methods in Social Investigation**

Dr Phillips. Ten Lectures, Michaelmas Term.

For B.A./B.Sc. (Soc.) Branch I, 2 (second year); Branch III, 5 (first year); B.Sc. (Econ.) Part I: alternative subject 8

*Methods of Social Investigation*; Dip. Soc. Admin. (second and one-year); B.Sc. (Soc. Anth.) Part II, 3a; B.Sc. (Geog.) C 202; M.Sc.: *Methods of Sociological Study*, XX 2 (preliminary year); Dip. Development Admin. Recommended for graduate students.

**Syllabus** The nature and evolution of social investigations. Contemporary survey work. Surveys of environment, behaviour and opinions. The planning of surveys. Background of sampling theory. Sample design and sampling techniques. Non-sampling errors and bias. Methods of collecting the data: documents, observation, mail questionnaires, interviewing. Questionnaire design. The processing, analysis and interpretation of data.

**Recommended reading** F. Yates, *Sampling Methods for Censuses and Surveys*; B. S. Rowntree, *Poverty and Progress*; *New Survey of London Life and Labour*; F. Mosteller (Ed.), *The Pre-Election Polls of 1948*; M. A. Abrams, *Social Surveys and Social Action*; P. Gray and T. Corlett, "Sampling for the Social Survey" (*Journal of the Royal Statistical Society*, 1950); C. Selltiz and others, *Research Methods in Social Relations*; L. Festinger and D. Katz (Eds.), *Research Methods in the Behavioural Sciences*; H. H. Hyman and others, *Interviewing in Social Research*; H. H. Hyman, *Survey Design and Analysis*; C. A. Moser, *Survey Methods in Social Investigation*; F. Edwards (Ed.), *Readings in Market Research*; A. Bradford Hill, *Statistical Methods in Clinical and Preventive Medicine*.

**936(a) Survey Methods in Social Investigation Class**

Dr Phillips and others. Five classes, alternate weeks, Lent Term.

For B.Sc. (Econ.) Part I: alternative subject 8 *Methods of Social Investigation*; B.Sc. (Geog.) C 202; B.Sc. (Soc. Anth.) Part II, 3a.

**936(b) Survey Methods Class**

Miss Sainsbury. Fifteen hours, Lent and Summer Terms.

For B.A./B.Sc. (Soc.) Branch III (second year).

**937 Survey Design and Analysis Class**

Lecturer to be announced. Ten hours, Michaelmas Term.

For M.Sc.: *Political Sociology*, XVI 4.

**938 Social Statistics and Survey Methodology (Second Year)**

Dr Phillips. Five lectures, Summer Term.

For B.Sc. (Econ.) Part II: *Social Statistics and Survey Methodology*, X 7 and 8c; XI 5, 6 and 7e; B.Sc. (Maths.) Part II: 5-8i; (second year).

**939 Social Statistics and Survey Methodology (Third Year)**

Mrs Spitz and others. Fifty hours, Sessional.

For B.Sc. (Econ.) Part II: *Social Statistics and Survey Methodology*, X 7 and 8c; XI 5, 6 and 7d; B.Sc. (Maths.) Part II: 5-8i (third year); Dip. Stats., 4.

**940 Compound Interest**

Mr Carrier. Five lectures, Michaelmas Term.

For B.Sc. (Econ.) Part II: *Actuarial Statistics*, X 7 and 8a; B.Sc. (Maths.) Part II 5, 6, 7 and 8l; *Accounting: Management and Economic Aspects*, I 3b; II 5d; III 3b; IV 6, 7 and 8h; *Accounting and Finance*, V 6, 7 and 8 (second year); M.Sc.: *Economic Aspects of Accounting*, I 1 and 2; IV 4(xvi).

**Syllabus** An introduction to the annuity certain, valuation of redeemable securities, sinking funds; the determination of interest rates in given transactions and continuous growth.

**Recommended reading** D. W. A. Donald, *Compound Interest and Annuities Certain*; W. L. Hart, *Mathematics of Investment*.

**941(i) Actuarial Statistics I**

Mr Dyson. Twenty-five hours. Sessional.

For B.Sc. (Econ.) Part II: *Actuarial*

Statistics, X 7 and 8a; B.Sc. (Maths.) Part II: 5-8h (second year).

**Syllabus** Further compound interest. Exposed to risk formulae and the construction of life tables. Theory of multiple decrements. Construction of select mortality and multiple decrement tables.

**Recommended reading** A. M. Pollard, *An Introduction to the Mathematics of Finance*; D. W. A. Donald, *Compound Interest and Annuities Certain*; B. Benjamin and H. W. Haycocks, *The Analysis of Mortality and Other Actuarial Statistics*.

#### 941(ii) Actuarial Statistics II

Mr Dyson. Twenty hours, Michaelmas and Lent Terms.

For B.Sc. (Econ.) Part II: *Actuarial Statistics*, X 7 and 8a; B.Sc. (Maths.) Part II 5, 6, 7 and 8l (third year).

**Syllabus** Further compound interest. Comparison of mortality and other experiences. Graduation. English life and other standard mortality tables. Marriage and fertility rates. Population projections. Students will be expected to have attended Course No. 941 (i).

**Recommended reading** D. W. A. Donald, *Compound Interest and Annuities Certain*; B. Benjamin and H. W. Haycocks, *The Analysis of Mortality and other Actuarial Statistics*; Registrar General's Decennial Supplement (Life Tables) 1961; Preface to the a(55) Tables for Annuitants; P. R. Cox, *Demography*.

#### 941(ii)(a) Actuarial Statistics II, Classes

Five hours, Summer Term.

Optional for B.Sc. (Econ.) Part II: *Actuarial Statistics*, X 7 and 8a; B.Sc. (Maths.) Part II, 5, 6, 7 and 8l (third year).

### (d) COMPUTING

#### 942 Introduction to Computers: Basic Concepts

Mr F. F. Land. Ten lectures, Michaelmas Term.

For B.Sc. (Econ.) Part II: *Elements of Computer Science*, XI 4; *Numerical Methods and Programming*, X 7 and 8f; XI 5, 6 and 7b; *Applied Statistical Methods* X 6; B.Sc. (Maths.) Part II: 5, 6, 7 and 8c and d (second year). Optional for B.Sc. (Econ.) Part II: special subject Accounting and Finance (second year); Dip. Personnel Management.

**Syllabus** Input and output devices, central processing unit, backing store, software, survey of applications.

**Recommended reading** C. O. Elliot and R. S. Wasley, *Business Information Processing Systems*; A. Daniels and D. Yeates, *Basic Training in Systems Analysis*; T. E. Hull, *Introduction to Computing*; S. H. Hollingdale and G. C. Tootill, *Electronic Computers*.

#### 943 Introduction to Computing (Second Year)

Mr Waters. Twenty lectures, Lent and Summer Terms.

For B.Sc. (Econ.) Part II: *Elements of Computer Science*, XI 4; B.Sc. (Maths.) Part II, 5, 6, 7 and 8d (second year). M.Sc.: *Computing and Data Processing*, XIII option a. This course is a continuation of Course No. 942.

**Syllabus** Computer hardware; central processing unit and peripheral devices. Computer software; operating systems, programming languages (including study of COBOL), utilities and packages. Methodology of programming; problem formulation and specification (including flowcharts and decision tables), coding, testing and debugging.

**Recommended reading** T. E. Hull, *Introduction to Computing*; R. S. Ledley, *Programming and Utilizing Digital Computers*; D. D. McCracken, *A Guide to COBOL Programming*.

#### 943(a) Introduction to Computing, Second-Year Class

Mr Waters. Twenty classes, Lent and Summer Terms.

#### 944 Introduction to Computing (Third Year)

Mr Waters. Ten lectures, Lent Term.

For B.Sc. (Econ.) Part II: *Elements of Computer Science*, XI 4; B.Sc. (Maths.) Part II, 5, 6, 7 and 8d (third year).

**Syllabus** Interface between the computer and its immediate environment; input and output design (including data capture and validation controls).

#### 945 Fortran IV

Miss S. A. Brown. Ten lectures, Michaelmas Term.

For B.Sc. (Econ.) Part II: *Elements of Computer Science*, XI 4; *Numerical Methods and Programming*, X 7 and 8f; XI 5, 6 and 7b; *Applied Statistical Methods*, X 6; B.Sc. (Maths.) Part II: 5, 6, 7 and 8c and d (second year). Other students wishing to attend a Fortran course should attend Course No. 946 (a), (b) or (c) and not this course.

**Syllabus** The syntax of the Fortran IV programming language.

**Recommended reading** R. S. Ledley, *Fortran IV Programming*; D. D. McCracken, *A Guide to Fortran IV Programming*.

#### 945(a) Fortran IV Class

Miss S. A. Brown. Ten classes, Michaelmas Term.

#### 946 Fortran Programming (General)

Miss S. A. Brown, Miss Hewlett, Mr F. F. Land, Mr Wakeford and others.

A basic course will be given several times during the session.

(a) Course lasting seven to eight days. Christmas vacation.

(b) Course lasting seven to eight days. Easter vacation.

(c) One or two courses lasting seven to eight days. Summer.

#### 947(i) Computer Applications, Second Year

Mr Waters and others. Ten classes, Summer Term.

For B.Sc. (Econ.) Part II: *General Computing*, XI 8.

#### 947(ii) Computer Applications, Third Year

Mr Waters and others. Twenty classes. Michaelmas and Lent Terms.

For B.Sc. (Econ.) Part II: *General Computing*, XI 8.

#### 948 Computing Practical Class

Mr Waters and others. Thirty classes. Sessional.

For B.Sc. (Econ.) Part II: *General Computing*, XI 8 (second and third years).

#### 949 Business Information Systems

Mr Stamper. Ten lectures, Lent Term.

For B.Sc. (Econ.) Part II: *Management Data Processing*, XI 3; B.Sc. (Maths.) Part II, 5, 6, 7 and 8e (third year).

**Syllabus** Some important information systems and how they vary from one type of organization to another. Information handling functions, communication, information storage and retrieval.

**Recommended reading** J. Dearden, F. W. McFarlan and W. M. Zani, *Management Information Systems*; E. S. Buffa, *Production-Inventions Systems*; C. B. Randall and S. W. Burgly, *Systems and Procedures for Business Data Processing*, L. R. Carzo and J. N. Yanouzas, *Formal Organization*.

**949(a) Business Information Systems Class**

Mr F. F. Land and Mr Stamper. Five classes, Lent Term.

**950 Data Processing Methods**

Mr F. F. Land. Fifteen lectures, Michaelmas and Lent Terms.

For B.Sc. (Econ.) Part II: *Management Data Processing*, XI 3; B.Sc. (Maths.) Part II, 5, 6, 7 and 8e (third year); M.Sc.: *Advanced Systems Analysis*, I 5; XIV 3 (vi); XIII A2 (i); C2 (i); D1; *Computing and Data Processing*, XIII option a; *Systems Analysis for Non-Specialists*, XIII option p.

**Syllabus** Data capture and data transmission. System protection and error recovery. Coding systems. Organization of program suites.

**Recommended reading** R. H. Gregory and R. L. Van Horn, *Business Data Processing and Programming*; H. N. Laden and T. R. Gildersleeve, *Systems Design for Computer Applications*; A. Daniels and D. Yeates, *Basic Training in Systems Analysis*; R. R. Arnold, H. C. Hill and A. V. Nichols, *Introduction to Data Processing*.

**950(a) Data Processing Methods Class**

Mr F. F. Land. Five classes, Lent Term.

For B.Sc. (Econ.) Part II; *Management Data Processing*, XI 3; B.Sc. (Maths.) Part II, 5, 6, 7 and 8e (third year).

**950(b) Data Processing Methods Graduate Class**

Mr F. F. Land. Five classes, Lent Term.

For M.Sc.: *Advanced Systems Analysis*, I 5; XIII A2(i), C2(i), D1; XIV 3(vi); *Computing and Data Processing*, XIII option a; *Systems Analysis for Non-Specialists*, XIII option p.

**951 Computer Systems Design**

Mr Waters. Ten lectures, Lent Term.

For B.Sc. (Econ.) Part II: *Elements of Computer Science*, XI 4; B.Sc. (Maths.) Part II: 5, 6, 7 and 8d (third year); M.Sc.: *Advanced Systems Analysis*, I 5; XIII A2(i); C2(i); D1; XIV 3(vi); *Computing and Data Processing*, XIII option a.

**Syllabus** Introduction to storage devices, file organizations and file processing techniques for batch and real-time systems.

**Recommended reading** H. N. Laden and T. R. Gildersleeve, *Systems Design for Computer Applications*; D. D. McCracken *A Guide to COBOL Programming*.

**951(a) Computer Systems Design Class**

Mr Waters. Ten classes, Lent Term.

**952 Methodology of Systems Analysis and Design**

Mr Stamper. Ten lectures, Michaelmas Term.

For B.Sc. (Econ.) Part II: *Management Data Processing*, XI 3; B.Sc. (Maths.) Part II, 5, 6, 7 and 8e (third year).

**Syllabus** Analysis and synthesis of information systems. Description of systems and complex procedures. Evaluation, implementation and maintenance of systems incorporating computers.

**Recommended reading** H. N. Laden and T. R. Gildersleeve, *Systems Design for Computer Applications*; R. H. Gregory and R. L. Van Horn, *Business Data Processing and Programming*; H. D. Clifton, *Systems Analysis for Business Data Processing*; A. Chandos, J. Graham and R. Williamson, *Practical Systems Analysis*; A. D. Hall, *A Methodology for Systems Engineering*; W. T. Singleton, *Current Trends Towards Systems Design*; C. B. Randall and S. W. Burgly, *Systems and Procedures*.

**952(a) Methodology of Systems Analysis and Design Class**

Mr Stamper. Five sessions of one-and-a-half hours, Lent Term.

**953 Numerical Methods, Second Year**

Professor Douglas. Twenty lectures, Lent and Summer Terms.

For B.Sc. (Econ.) Part II: *Numerical Methods and Programming*, X 7 and 8f; XI 5, 6 and 7b; B.Sc. (Maths.) Part II, 5, 6, 7 and 8c (second year).

**Syllabus** An introduction to the use of digital computers in the solution of numerical problems. Fixed and floating point storage and arithmetic. Error analysis.

Algorithms for approximation, interpolation, numerical differentiation and integration, solution of differential equations.

Evaluations of functions. Solution of non-linear equations. Numerical methods in linear algebra. Random number generation and Monte Carlo methods.

**Note** It will be assumed that students have attended Course No. 945.

**Recommended reading** S. D. Conte, *Elementary Numerical Analysis*; J. M. Hammersley and D. C. Handscomb, *Monte Carlo Methods*; T. H. Naylor *et al.*, *Computer Simulation Techniques*.

**953(a) Numerical Methods, Second-Year Class**

Lecturer to be announced. Ten classes, Summer Term.

**954 Numerical Methods, Third Year**

Professor Douglas. Twenty lectures, Michaelmas and Lent Terms.

For B.Sc. (Econ.) Part II: *Numerical Methods and Programming*, X 7 and 8f; XI 5, 6 and 7b; B.Sc. (Maths.) Part II, 5, 6, 7 and 8c (third year).

**Syllabus** See Course No. 953.

**954(a) Numerical Methods, Third-Year Class**

Lecturer to be announced. Twenty classes, Michaelmas and Lent Terms.

**(e) OPERATIONAL RESEARCH**

**955 Elements of Management Mathematics**

Mr Rosenhead and others. Twenty lectures, Michaelmas and Lent Terms.

For B.Sc. (Econ.) Part II: *Elements of Management Mathematics*, IV 3c; V 2a (second year); M.Sc.: *Management Mathematics*, I 3; XIII option m; Dip. Personnel Management.

**Syllabus** An introduction to mathematical techniques applied to problems of decision-making in business and industry. Topics treated will include: vectors and matrices, linear programming, game theory, critical path analysis, set theory, probability, decision trees, dynamic programming, Markov chains, replacement theory, stock control.

**Recommended reading** J. G. Kemeny, A. Schleifer, J. L. Snell and G. L. Thompson, *Finite Mathematics with Business Applications*; J. C. Turner, *Modern Applied Mathematics*; M. Sasieni, A. Yaspan and L. Friedman, *Operations Research*.

**955(a) Elements of Management Mathematics Class**

Dr Smith and others. Twenty classes, Michaelmas and Lent Terms.

**956 Introduction to Operational Research Techniques**

Dr Smith. Nine lectures, Summer Term.

For B.Sc. (Econ.) Part II: *General Computing*, XI 8; *Management Mathematics*, II 5c; V 2h; X 7 and 8g;



XI 5, 6 and 7a; B.Sc. (Maths.) Part II, 5, 6, 7 and 8m (second year); Dip. Stats., 6.

**Syllabus** An introduction to mathematical techniques applied to problems of decision-making in business and government. Topics treated will include: decision trees, critical path analysis, dynamic programming, Markov chains, computer simulation.

**Recommended reading** J. G. Kemeny, A. Schleifer, J. L. Snell and G. L. Thompson, *Finite Mathematics with Business Applications*; M. Sasieni, A. Yaspan and L. Friedman, *Operations Research*.

**956(a) Introduction to Operational Research Techniques Class**  
Class teachers to be announced.  
Eight classes, Summer Term.

**957 Operational Research Techniques**

Mr Rosenhead. Fifteen lectures, Michaelmas and Lent Terms.

For B.Sc. (Econ.) Part II: *Management Mathematics*, II 5c; V 2h; X 7 and 8g; XI 5, 6 and 7a; B.Sc. (Maths.) Part II: 5-8m (third year); Dip. Stats., 6; M.Sc.: *Elements of Operational Research*, XIII option f.

**Syllabus** Replacement theory. Inventory control. Scheduling. Queuing theory. Dynamic programming. Theory of Games.

**Recommended reading** M. Sasieni, A. Yaspan and L. Friedman, *Operations Research*; R. L. Ackoff and M. Sasieni, *Fundamentals of Operations Research*; D. R. Cox, *Renewal Theory*; D. R. Cox and W. L. Smith, *Queues*; R. E. Bellman and S. E. Dreyfus, *Applied Dynamic Programming*.

**957(a) Operational Research Techniques, Third-Year Class**  
Class teacher to be announced.  
Fifteen classes, Michaelmas and Lent Terms.

**958 Mathematical Programming**  
Dr A. H. Land. Fifteen lectures, Michaelmas and Lent Terms.

**Whole course** for B.Sc. (Econ.) Part II: *Management Mathematics*, II 5c; V 2h; X 7 and 8g; XI 5, 6 and 7a; B.Sc. (Maths.) Part II: 5-8m (third year); Dip. Stats., 6; M.Sc.: *Elements of Operational Research*, XIII option f.

**First ten lectures** optional for B.Sc. (Econ.) Part II: *Economics treated Mathematically*, I 8d; II 2a; IV 6, 7 and 8d; V 2f; X 1 and 2b (i); XI 2d (third year).

**Syllabus** The first ten lectures of this course are intended to acquaint students with the formulation of linear programming problems and the properties of their solutions, and to draw attention to their relationship to economic theory. The remaining five lectures (for Management Mathematics students) will be concerned with techniques of solution and formulation of special problems. A familiarity with simple matrix algebra will be assumed.

**Recommended reading** G. Hadley, *Linear Programming*; S. Vajda, *Readings in Linear Programming; An Introduction to Linear Programming and the Theory of Games*; R. Dorfman, P. A. Samuelson and R. M. Solow, *Linear Programming and Economic Analysis*; K. E. Boulding and W. A. Spivey, *Linear Programming and the Theory of the Firm*.

**958(a) Mathematical Programming Class**

Dr A. H. Land and others.  
Fifteen classes, Michaelmas and Lent Terms.

**(f) GRADUATE COURSES (STATISTICS)**

**959 Advanced Probability and Stochastic Processes**  
Professor Durbin and Mr Hajnal.  
Forty hours, Sessional.

For M.Sc.: *Probability, Stochastic*

*Processes and Distribution Theory*, XIV 3 (iv); XXIII 1.

**960 Markov Chains and Related Topics**

Mr Hajnal. Ten lectures, Lent Term.

For M.Sc.: *Probability, Stochastic Processes and Distribution Theory*, XIV 3 (iv); XXIII 1; *Advanced Operational Research Techniques*, XIV 3 (ii); *Selected Techniques and Model Building*, XXIII 4.

**Syllabus** Markov chains with finite number of states in discrete and continuous time. Poisson process.

**960(a) Markov Chains and Related Topics**

Mr Hajnal. Ten classes, Lent Term.

**961 Further Distribution Theory**

Professor Stuart. Ten lectures, Lent Term.

For M.Sc.: *Probability, Stochastic Processes and Distribution Theory*, XIV 3 (iv); XXIII 1.

**Syllabus** Distribution theory of quadratic forms in normally distributed random variables. Selected topics in the theory of order-statistics. Non-central  $\chi^2$  and F distributions.

**Recommended reading** M. G. Kendall and A. Stuart *The Advanced Theory of Statistics*, Vol. I, chaps. 14, 15, Vol. II, chap. 24, Vol. III, chap. 35; H. Cramér, *Mathematical Methods of Statistics*; S. S. Wilks, *Mathematical Statistics*.

**962 Statistical Inference**

Dr Knott. Twenty lectures, Michaelmas and Lent Terms.

For M.Sc.: *Statistical Methodology and Inference*, XXIII 2.

**Syllabus** Estimation theory. Unbiasedness, minimum variance, sufficiency, completeness, maximum likelihood. The theory of testing hypotheses. Confidence intervals. Inference for linear models. Decision

theory. Bayesian methods. Likelihood. Tests of fit. Distribution-free methods. Sequential methods.

**Recommended reading** M. G. Kendall and A. Stuart, *The Advanced Theory of Statistics*, Vols. II and III; H. Cramér, *Mathematical Methods of Statistics*; S. S. Wilks, *Mathematical Statistics*; E. L. Lehmann, *Testing Statistical Hypotheses*. D. V. Lindley, *Introduction to Probability and Statistics*; C. R. Rao, *Linear Statistical Inference and its Applications*.

**962(a) Statistical Inference Class**  
Dr Knott. Ten classes, Sessional.

**963 Multivariate Analysis**

Professor Kendall. Ten lectures of two hours, Lent Term.

For M.Sc.: *Statistical Methodology and Inference*, XXIII 2; *Design and Analysis of Statistical Investigation*, XIV 3 (v); XXIII 3; XIII option c.

**Syllabus** Multiple regression analysis. Component analysis. Discriminant analysis. Canonical analysis. Multivariate analysis of variance. Factor analysis. Applications of these techniques.

**Recommended reading** M. G. Kendall and A. Stuart, *The Advanced Theory of Statistics*, Vol. III, chaps. 41-45, with some supplementary notes.

**964 Ranking and Other Distribution-Free Methods**

Professor Stuart. Fifteen lectures, Michaelmas and Lent Terms.

For M.Sc.: *Design and Analysis of Statistical Investigation*, XIV 3 (v); XXIII 3; XIII option c.

**Syllabus** The rationale and efficiency of ranking and other distribution-free methods. Tests of independence, tests of randomness and rank correlation coefficients. Normal scores tests. Two-sample and  $k$ -sample tests. Sign tests. Intervals for population percentiles. Tolerance intervals for a distribution. Tests of fit. Confidence intervals for an unknown distribution function.

**Recommended reading** M. G. Kendall and A. Stuart, *The Advanced Theory of Statistics*, Vol. II, chaps. 30, 31 and 32; J. Hajek, *A Course in Nonparametric Statistics*; G. E. Noether, *Elements of Nonparametric Statistics*.

**965 Design and Analysis of Experiments**

Dr Knott. Twenty lectures, Michaelmas and Lent Terms.

For M.Sc.: *Design and Analysis of Statistical Investigation*, XIV 3 (v); XXIII 3; XIII option c.

**Syllabus** Principles of experimental design. Randomised blocks. Latin squares. Incomplete blocks. Paired comparisons. Factorial designs. Confounding. Fractional replication. Analysis and interpretation of experimental results. Experimental complications and special analyses.

**Recommended reading** R. A. Fisher, *The Design of Experiments*; W. G. Cochran and G. M. Cox, *Experimental Designs*; O. L. Davies and others, *The Design and Analysis of Industrial Experiments*; H. Scheffé, *The Analysis of Variance*; D. R. Cox, *The Planning of Experiments*; O. Kempthorne, *The Design and Analysis of Experiments*.

**965(a) Design and Analysis of Experiments Class**

Dr Knott. Five classes, Summer Term.

**966 Basic Time-Series Analysis**

Professor Durbin, Dr Reid and Dr Wallis. Two hours per week, Michaelmas Term.

For M.Sc.: *Statistical Methodology and Inference*, XXIII 2; *Econometric Theory I*, V 2(iii); XIV 3(viii); XXIII 5; XIII option d.

**Syllabus** Basic structure of time series. Stationarity. Autocorrelation. Periodogram and spectrum. Linear models. Elementary treatment of model-fitting in time-series analysis. Effects of autocorrelation on regression analysis. Tests of serial independence.

**Recommended reading** M. G. Kendall and A. Stuart, *The Advanced Theory of Statistics*, Vol. III; E. J. Hannan, *Time Series Analysis*; C. W. J. Granger and M. Hatanaka, *Spectral Analysis of Economic Time Series*; E. Malinvaud, *Statistical Methods of Econometrics*; A. M. Yaglom, *An Introduction to the Theory of Stationary Random Functions*; G. S. Fishman, *Spectral Methods in Econometrics*; G. M. Jenkins and D. G. Watts, *Spectral Analysis and its Applications*.

**967 Further Time-Series Analysis**

Professor Durbin, Dr Reid and Dr Wallis. Two hours per week, Lent Term.

Optional for M.Sc.: *Econometric Theory I*, V 2(iii); XIV 3(viii); XXIII 5; XIII option d; *Statistical Methodology and Inference*, XXIII 2.

**Syllabus** Properties of Fourier transforms. Estimation of spectrum. Cross-spectral methods. Linear time invariant relations between series.

**Recommended reading** as for Course No. 966.

**968 Prediction and Control**

Dr Hendry and Dr Reid. Ten lectures, Lent Term.

For M.Sc.: *Econometric Theory II*, V 2(iv). Optional for M.Sc.: *Econometric Theory I*, XIV 3(viii); XXIII 5; XIII option d; *Statistical Methodology and Inference*, XXIII 2.

**Recommended reading** P. Whittle, *Prediction and Regulation by Linear Least-Square Methods*; H. Theil, *Optimal Decision Rules for Government and Industry*; C. C. Holt, F. Modigliani, J. F. Muth and A. A. Simon, *Planning Production, Inventory and Work Force*.

**969 Selected Techniques of Quantitative Analysis**

Lecturer to be announced. Eight lectures and four classes, Michaelmas and Lent Terms.

For M.Sc.: *Selected Techniques and Model Building*, XXIII 4.

**Syllabus** Analytic techniques, e.g. single and double decrement tables and their applications; standardisation and index numbers; relative risks.

**970 Model Building**

Dr Phillips. Twelve lectures and six classes, Lent and Summer Terms.

For M.Sc.: *Selected Techniques and Model Building*, XXIII 4.

**Syllabus** Model building, theory, applications and evaluation of policy implications, decision-making. Input-output and flow models; simulation techniques. Data storage and retrieval; record linkage.

**971 Temporal Aspects of Model Building**

Dr Reid. Ten hours, Michaelmas Term.

For M.Sc.: *Selected Techniques and Model Building*, XXIII 4.

**Syllabus** Time and frequency concepts. Application to trend and seasonal analysis, causality and feedback. Distributed lag models, dynamic properties and stability.

**972 Causal Analysis**

Miss Atkins. Twelve hours, Lent and Summer Terms.

For M.Sc.: *Selected Techniques and Model Building*, XXIII 4.

**Syllabus** Causal analysis, including recursive systems, path coefficients, cross-lagged correlations. Effects of measurement error.

**973 Applied Problems in Statistics (Seminar)**

Dr Phillips and Dr Reid. Ten meetings of one-and-a-half hours, fortnightly, Michaelmas and Lent Terms.

For M.Sc.: *Selected Techniques and Model Building*, XXIII 4.

**974 Further Sample Survey Theory and Methods**

Mr O'Muircheartaigh. Twenty lectures, Sessional, beginning in the fourth week of the Michaelmas Term.

**Note** This course presupposes attendance at Course No. 928.

For M.Sc.: *Survey Theory and Methods*, XXIII 7.

**Syllabus** Stratification, controlled selection. Multistage sampling. Area sampling. Multiphase sampling. Selection with unequal probabilities. Ratio and regression estimates. Domains of study. Panel studies. Nonsampling errors.

**Recommended reading** L. Kish, *Survey Sampling*; W. G. Cochran, *Sampling Techniques* (2nd edn.); M. G. Kendall and A. Stuart, *The Advanced Theory of Statistics*, Vol. 3 (chaps. 39 and 40); W. E. Deming, *Sample Design in Business Research*; F. Yates, *Sampling Methods for Censuses and Surveys*; M. H. Hansen, W. N. Hurwitz and W. G. Madow, *Sample Survey Methods and Theory*; D. Raj, *Sampling Theory*; P. V. Sukhatme, *Sampling Theory of Surveys with Applications*.

**974(a) Further Sample Survey Theory and Methods Class**

Mr O'Muircheartaigh. Eight classes, Lent and Summer Terms.

**975 Survey Design, Execution and Analysis**

Mr O'Muircheartaigh. Twenty-two classes of two hours each, Sessional.

For M.Sc.: *Survey Theory and Methods*, XXIII 7.

**976 Statistical Aspects of Educational Planning**

Mr G. L. Williams and Dr Phillips. Fifteen lectures, Michaelmas and Lent Terms.

**Whole Course:** for M.Sc.: *Educational Statistics*, XXIII 8; Dip. Stats., 4.

Optional for M.Sc.: *Economics of Education and Human Capital*, IV 4(xx). Recommended for M.Sc.: *Educational Administration*, XVII 2(vii). Michaelmas Term only: for B.Sc. (Econ.) Part II: *Social Statistics and Survey Methodology*, X 7 and 8c; XI 5, 6 and 7d; B.Sc. (Maths.) Part II: 5, 6, 7 and 8i (third year).

**Syllabus** Criteria for establishing priorities in planning in advanced and developing countries. Methods of forecasting the demand for education, and the demand and supply of teachers. Methods of forecasting manpower requirements. The analysis of educational expenditures. Computable models of the educational system.

**Recommended reading** M. Blaug, "Approaches to Educational Planning" (*The Economic Journal*, June 1967); C. A. Moser, P. R. G. Layard, "Planning the Scale of Higher Education in Britain: Some Statistical Problems" (*Journal of the Royal Statistical Society*, Series A, 4, 1964); O.E.C.D., *Mathematical Models in Educational Planning*; G. Orcutt and others, *Microanalysis of Socioeconomic Systems—A Simulation Study*, especially chaps. 1, 2, 3, 8, 9, 10, 13; H. S. Parnes, *Forecasting Educational Needs for Economic and Social Development*, chaps. 1-5; A. Peacock, J. Wiseman, S. Harris, *Financing of Education for Economic Growth*, chaps. 6 and 7; *The Robbins Report*, Appendix One, Part IV; R. Stone, "Input-Output and Demographic Accounting: A Tool for Educational Planning" (*Minerva*, Spring 1966); J. Tinbergen and others, *Econometric Models of Education: Some Applications*; U.S. Department of Health, Education and Welfare, *Equality of Educational Opportunity*; *Ninth Report of the National Advisory Council for the Training and Supply of Teachers*, especially Part I.

#### 977 Educational Statistics

Dr Phillips. Ten fortnightly classes, Sessional.

For M.Sc.: *Educational Statistics*, XXIII 8.

#### 978 Fortran Programming (Statistics)

Miss S. A. Brown and Mr F. F. Land. Last week, Summer vacation.

For M.Sc.: Statistics. Dip. Stats. students should take either this course or Course No. 946 (a), (b) or (c).

#### 979 Statistical Analysis Practical Class

Miss S. A. Brown. Ten classes, Michaelmas Term.

For M.Sc.: Statistics (Practical Work). Fortran computer language will be used.

#### 980 Further Statistical Methods

Lecturer to be announced. Twenty lectures, Michaelmas and Lent Terms.

For M.Sc.: *Methods of Sociological Study*, III 3(i); XX 2. (Students should attend this course or Course No. 863.) Also for graduate students in Psychology. It will be assumed that students have a knowledge of statistics to the standard of Course No. 918.

**Syllabus** Nonparametric techniques. Analysis of variance and covariance. Elements of matrix algebra. Multiple regression. Selected multivariate techniques.

**Recommended reading** H. M. Blalock, *Social Statistics*; N. Draper and H. Smith, *Applied Regression Analysis*; T. Yamane, *Statistics, an Introductory Analysis*; W. L. Hays, *Statistics for Psychologists*; D. R. Cox, *Planning of Experiments*; S. Siegel, *Nonparametric Statistics*.

#### 981 Statistics Seminar

Occasional seminars throughout the session. Details from Professor Sir Roy Allen, Professor Durbin or Professor Stuart.

For graduate students. Others may attend by permission of the professors concerned.

#### 982 Joint Statistics Seminar

Seminars on statistical theory and its applications will be held in conjunction with Birkbeck College, Imperial College and University College throughout the session. Further information about the seminar may be obtained from Professor Sir Roy Allen, Professor Durbin or Professor Stuart.

#### (g) GRADUATE COURSES (OPERATIONAL RESEARCH)

##### 983 Statistical Theory I

Dr Smith. Forty lectures and twenty classes, Michaelmas and Lent Terms.

**Whole course:** for M.Sc.: *Statistical Theory*, III 3(vi); XIII option o; XIV 3(iii); Dip. Stats., 1 and 2. Students who already have a knowledge of Statistics need not attend until the fourth week of the Michaelmas Term. **Selected lectures only:** for M.Sc.: *Operational Research II*, XIV 2.

**Syllabus** Probability and distribution theory, estimation theory, regression, analysis of variance and general linear models.

**Recommended reading** M. G. Kendall and A. Stuart, *The Advanced Theory of Statistics*, Vol. I; A. M. Mood and F. A. Graybill, *Introduction to the Theory of Statistics*; O. L. Davies, *Statistical Methods in Research and Production*; N. R. Draper and H. Smith, *Applied Regression Analysis*.

##### 984 Optimisation Techniques

Professor Wolfenden. Ten lectures, Michaelmas Term.

For M.Sc.: *Advanced Mathematical Programming*, I 4; V 2(vii); XIV 3(i); XXIII 6.

##### 984(a) Optimisation Techniques Class

Five classes, Lent Term.

##### 985(i) Basic Operational Research Techniques

Mr Rosenhead. Ten lectures, Michaelmas Term.

For M.Sc.: *Operational Research I*, XIII C 1, D 2(i); XIV 1.

**Syllabus** An introduction to stock control, scheduling, queuing theory, critical path analysis and dynamic programming.

**Recommended reading** R. L. Ackoff and M. Sasieni, *Fundamentals of Operations Research*; F. S. Hillier and G. J. Lieberman, *Introduction to Operations Research*.

##### 985(i) (a) Basic Operational Research Techniques Class

Mr Rosenhead. Ten classes, Michaelmas Term.

##### 985(ii) Operational Research Methodology

Mr Rosenhead. Ten meetings of one-and-a-half hours, Michaelmas Term.

For M.Sc.: *Operational Research I*, XIII C 1, D 2(i); XIV 1.

**Syllabus** Operational research problems, models and criteria. The practice and context of operational research.

**Recommended reading** R. L. Ackoff, *Scientific Method: Optimizing Applied Research Decisions*.

##### 985(iii) Advanced Operational Research Techniques

Mr Rosenhead. Ten lectures, Lent Term.

For M.Sc.: *Advanced Operational Research Techniques*, XIV 3(ii).

**Syllabus** Replacement theory, queuing theory, dynamic programming.

**Recommended reading** D. W. Jorgenson,

J. J. McCall and R. Radner, *Optimal Replacement Policy*; D. R. Cox and W. L. Smith, *Queues*; R. E. Bellman and S. E. Dreyfus, *Applied Dynamic Programming*; R. A. Howard, *Dynamic Programming and Markov Processes*.

**985(iii) (a) Advanced Operational Research Techniques Class**

Mr Rosenhead. Ten classes, Lent Term.

**986(i) Basic Mathematical Programming**

Dr A. H. Land. Twelve lectures, Michaelmas Term.

For M.Sc.: *Operational Research I*, XIII C 1, D 2(i), XIV 1; *Advanced Mathematical Programming I* 4, V 2(vii); XIV 3(i); XXIII 6.

**Syllabus** Formulation of operational problems in linear and non-linear programming models; solution of such problems by available computer programs, interpretation of the solutions; limitations of such models.

**Recommended reading** K. E. Boulding and W. A. Spivey, *Linear Programming and the Theory of the Firm*; R. Dorfman, P. A. Samuelson and R. M. Solow, *Linear Programming and Economic Analysis*; S. Vajda, *Readings in Linear Programming*; H. G. Daelleback and E. J. Bell, *Users' Guide to Linear Programming*.

**986(i) (a) Basic Mathematical Programming Class**

Six classes, Michaelmas Term.

**986(ii) Advanced Mathematical Programming**

Dr A. H. Land. Twenty-eight lectures, Michaelmas and Lent Terms, beginning in the seventh week of the Michaelmas Term.

For M.Sc.: *Advanced Mathematical Programming*, I 4, V 2(vii); XIV 3(i); XXIII 6.

**Syllabus** Basic formulations and theories

of mathematical programming, convex point sets, linear and non-linear objective functions. Methods of solution.

**Recommended reading** G. Hadley, *Linear Programming*; D. Gale, *The Theory of Linear Economic Models*; G. B. Dantzig, *Linear Programming and Extensions*; R. L. Graves and P. Wolfe (Eds.), *Recent Advances in Mathematical Programming*.

**986(ii) (a) Advanced Mathematical Programming Class**

Fourteen classes, Michaelmas and Lent Terms.

**987 Theory of Games**

Professor Morton. Four lectures, Lent Term, beginning in the seventh week.

For M.Sc.: *Advanced Mathematical Programming*, I 4; V 2(vii); XIV 3(i); XXIII 6. Recommended for graduate students.

**Syllabus** The principles of games theory. Zero-sum two-person games in extended and normal form. The minimax principle and its application. Variable sum games and imperfect competition.

**Recommended reading** R. D. Luce and H. Raiffa, *Games and Decisions*; J. C. C. McKinsey, *Introduction to the Theory of Games*; M. Shubik, *Strategy and Market Structure*; T. C. Schelling, *The Strategy of Conflict*; A. Rapoport, *Fights, Games and Debates*.

**988 Graph Theory**

Mr Shier. Ten lectures, Lent Term.

For M.Sc.: *Advanced Operational Research Techniques*, XIV 3(ii). Recommended for other graduate students in Operational Research or Statistics.

**Syllabus** Fundamental concepts in graph theory, planar and dual graphs, maximum-minimum problems in networks; matching theory.

**Recommended reading** C. L. Liu, *Introduction to Combinatorial Mathematics*; F. Harary, *Graph Theory*.

**988(a) Graph Theory Class**

Lecturer to be announced.

Ten classes, Lent Term.

**989 Forecasting and Exponential Smoothing**

Mr Thomas. Three lectures, Summer Term.

For M.Sc.: Operational Research; *Computing and Data Processing*, XIII option a.

**990 Selected Topics in Operational Research**

Mr Rosenhead and others. Fifteen meetings, Michaelmas and Lent Terms, beginning in the sixth week of the Michaelmas Term.

For M.Sc.: Operational Research.

**Syllabus** Various speakers will present illustrations of the practical applications of operational research techniques. Intended for students having a preliminary acquaintance with the subject.

**Recommended reading** References to current literature will be provided during the course.

**991 Operational Research Tutorial Class**

Dr A. H. Land and Mr Rosenhead.

Ten sessions of one-and-a-half hours, Lent Term.

For M.Sc.: *Operational Research I*, XIII C 1; D 2(i); XIV 1.

**992 Fortran Programming (Operational Research)**

Lecturer to be announced. Ten hours, Michaelmas Term.

For M.Sc.: Operational Research only.

**Recommended reading** R. S. Ledley, *Fortran IV Programming*; D. D. McCracken, *A Guide to Fortran IV Programming*.

**993 Advanced Systems Analysis Methodology**

Mr F. F. Land and others.

Fifteen lectures, Michaelmas and Lent Terms.

For B.Sc. (Econ.) Part II: *Management Data Processing*, XI 3; B.Sc. (Maths.) Part II: 5, 6, 7 and 8e (third year); M.Sc.: *Advanced Systems Analysis*, I 5; XIII A 2(i); C 2(i); D 1; XIV 3(vi).

**Syllabus** Feasibility and evaluation of systems. Project management, standards in data processing. Application packages, computer languages and information languages. Data banks and data base management. The computer utility.

**Recommended reading** D. H. Brandon, *Management Standards for Data Processing*; J. Dearden, F. W. McFarlan and W. M. Zani, *Management Information Systems*; D. H. Li, *Accounting, Computers, Management Information Systems*; Codasyl Systems Committee, *A Survey of Generalised Data Base Management Systems (Technical Report, May 1969)*.

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**994 Information**

Mr Stamper. Ten lectures, Lent Term.

For M.Sc.: *Advanced Systems Analysis*, I 5; XIII A 2(i); C 2(i); D 1; XIV 3(vi).

**Syllabus** Information as signs, signs and behaviour, semantics, syntactics, transmission of signals. Problems in the measurement of information relative to behaviour, relative to a formal language and as variety.

**Recommended reading** C. Cherry, *On Human Communication*; R. K. Stamper, *Information*.

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For M.Sc.: *Operational Research II*, XIV 2.

**Syllabus** An introduction to systems analysis and the role the systems analyst plays in the design of computer based systems.

**Recommended reading** A. Daniels and D. Yeates, *Basic Training in Systems Analysis*.

**996 Economics for Operational Research**

Lecturer to be announced. Ten lectures, Summer Term.

For M.Sc.: *Operational Research II*, XIV 2.

**997 Design Methods in Planning**

Mr Rosenhead. Ten lectures, Lent Term.

For M.Sc.: *Mathematical Methods in Planning*, XIV 3(xii); *Urban Economics*, IV 4(xxi). Optional for M.Sc.: *Geographical Aspects of Regional and Urban Planning*, XV 3.

**Syllabus** The internal structure of design problems; the analysis of interconnected decision areas. The impact of uncertainty on planning; planning as a process; robustness as a criterion of a plan's flexibility.

**Recommended reading** C. Alexander, *Notes on the Synthesis of Form*; J. K. Friend and W. N. Jessop, *Local Government and Strategic Choice*.

**998 Introduction to Simulation**

Mr M. H. J. Webb. Nine lectures, Lent Term.

For M.Sc.: *Advanced Operational Research Techniques*, XIV 3(ii).

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**Recommended reading** K. D. Tocher, *The Art of Simulation*; J. M. Hammersley and D. C. Handscomb, *Monte Carlo Methods*; T. H. Naylor, J. L. Balintfy and D. S. Burdick, *Computer Simulation Techniques*; G. Gordon, *System Simulation*; J. H. Mize and J. G. Cox, *Essentials of Simulation*.

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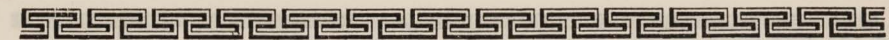
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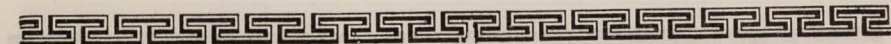
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**BUILDINGS OF THE SCHOOL**

- Bank Chambers B
- King's Chambers K
- Lincoln Chambers L
- 9 & 10 Sheffield St M

PS  
 L  
 M  
 K  
 PH  
 St Clements Building  
 Old Building  
 East Building  
 Connaught House  
 Clare Market Building  
 Parish Hall  
 1 Portsmouth St  
 E  
 PH  
 PS

100 feet

