

Lectures proposed by the Board of the Faculty of Engineering

For particulars of the University Composition Fee and of the fees payable for attendance at separate courses of lectures see p. 2.

ENGINEERING TRIPOS, PART IA

MICHAELMAS 1998

LENT 1999

EASTER 1999

First year: for students intending to take Part IA in 1999

The lecture rooms are indicated as follows: LT0 Lecture theatre 0; LT1 Lecture theatre 1; LT2 Lecture theatre 2; LR3 Lecture room 3; LR4 Lecture room 4; LR6 Lecture room 6; LR10 Lecture room 10.

(A detailed timetable will be displayed in the Department)

Paper 1 (Mechanical Engineering)

MR K. M. WALLACE *LT0*
Mechanics (Sixteen lectures)

DR D. CEBON *LT0*
Linear Systems and Vibrations (Four lectures)
DR H. P. HODSON *LT0*
Thermodynamics (Sixteen lectures)

The same continued (Eight lectures)
The same continued (Eight lectures)

Paper 2 (Structural Mechanics and Materials)

DR C. R. MIDDLETON *LT0*
Structural Mechanics (Twelve lectures)

PROF. C. R. CALLADINE *LT0*
Structural Mechanics (Twelve lectures)
DR D. A. CARDWELL *LT0*
Materials (Ten lectures)

DR M. P. SUTCLIFFE *LT0*
The same continued (Ten lectures)

Paper 3 (Electrical and Information Engineering)

DR F. P. PAYNE
Linear Circuits and Devices (Sixteen lectures)

DR F. UDREA *LT0*
The same continued (Three lectures)

DR D. F. MOORE *LT0*
Electromagnetics (Twelve lectures)

DR R. W. PRAGER *LT1*
Digital Circuits (Sixteen lectures)
MR P. J. SPREADBURY *LT2*
Digital Circuits (Sixteen lectures) } in parallel

DR M. C. SMITH *LT0* (Seven lectures)

Paper 4 (Mathematics)

DR T. P. HYNES (Twelve lectures) *LT2*
DR N. PEAKE (Twelve lectures) *LT2*
DR A. R. L. TRAVIS (Sixteen lectures) *LT1*
DR N. COLLINGS AND DR P. G. L. LONG *LT1*
Drawing and Design (Four lectures)
DR J. P. LONGLEY *LT0*
Dimensional Analysis (Three lectures)
DR A. H. GEE *LT0*
Computing (Four lectures)
DR J. H. BRUNTON AND OTHERS
Laboratory

} Sixteen lectures in parallel

DR A. R. L. TRAVIS *LT0* (Nine lectures)

DR P. J. CLARKSON AND OTHERS
Design of Products *LT0* (Eight lectures)
PROF. M. J. GREGORY AND OTHERS *LT0*
Engineer in Society (Eight lectures)

The same continued (Four lectures)

The same continued
Laboratory Signing (to be arranged)
Structural Design Tests (to be arranged)

The same continued

DR P. J. LONG AND OTHERS
Engineering Applications (Five lectures)
MR K. M. WALLACE
Examples Classes (Seven classes)

The same continued (Three lectures)

The same continued (Eight classes)

The same continued (to be arranged)

Faculty of Engineering (continued)**ENGINEERING TRIPOS, PART IB**

MICHAELMAS 1998

LENT 1999

EASTER 1999

Second year: for students intending to take Part IB in 1999

(A detailed timetable will be displayed in the Department)

Paper 1 (Mechanics)MR A. L. JOHNSON *LTO*
Dynamics (Sixteen lectures)**Paper 2 (Structures)**DR S. D. GUEST *LTO*
Structures (Eight lectures)Structures (Twelve lectures) *LTO***Paper 3 (Materials)**DR P. W. R. BEAUMONT AND DR H. R. SHERCLIFF *LTO*
Materials (Sixteen lectures)**Paper 4 (Fluid Mechanics and Heat Transfer)**DR P. A. DAVIDSON *LTO*
Fluid Mechanics (Sixteen lectures)DR R. S. CANT
Heat Transfer (Ten lectures)**Paper 5 (Electrical Engineering)**DR R. A. McMAHON *LTO*
Linear Circuits and Devices (Eight lectures)PROF. G. A. J. AMARATUNGA *LTO*
Electrical Power (Twelve lectures)
DR A. R. L. TRAVIS *LTO*
E. M. Fields and Waves (Six lectures)**Paper 6 (Information Engineering)**DR G. VINNICOMBE *LTO*
Linear Systems (Fourteen lectures)DR M. D. MacLEOD *LTO*
Communications (Eight lectures)**Paper 7 (Mathematical Methods)**DR J. B. YOUNG *LTO*
Vector Calculus (Fourteen lectures)
DR W. J. FITZGERALD *LTO*
Numerical Analysis (Eight lectures)DR J. LASENBY *LTO*
Signal and Data Analysis (Six lectures)
DR J. P. LONGLEY *LTO*
Signal and Data Analysis (Six lectures)**Paper 8 (Selected topics) (All fourteen lectures and two examples classes)**DR N. HERTZ
Corporate Strategy (Eight lectures)
DR N. G. KINGSBURY AND OTHERS
Example Classes (Eight classes)
MR P. J. SPREADBURY AND OTHERS
Laboratory (to be arranged)
DR P. J. LONG AND OTHERS
Engineering Applications (Four lectures)DR T. P. HYNES AND OTHERS
Computing Practical Classes (to be arranged)

The same continued

The same continued

The same continued (Four lectures)

*All lectures in LT1/ILT2*PROF. R. MAIR AND DR C. J. BURGONNE
Civil and Structural Engineering

A. N. OTHER

Mechanical Engineering, Manufacture and
Management

PROF. A. HOPPER

Information Engineering

DR J. ROBERTSON AND PROF. W. I. MILNE

Electrical Engineering

PROF. N. A. CUMPSTY

Aerothermal Engineering

Faculty of Engineering (continued)

ENGINEERING TRIPOS, PART IIA/ELECTRICAL AND INFORMATION SCIENCES TRIPOS, PART I

MICHAELMAS 1998

LENT 1999

EASTER 1999

Third year: for students intending to take Engineering Tripos, Part IIA/EIST Part I in 1999

(A detailed timetable will be displayed in the Department)

Paper G1 (Soil Mechanics)

Leader: Dr M. D. Bolton LR3

DR M. D. BOLTON

Soil tests, cam-clay, soil elements (Sixteen lectures)

DR K. SOGA AND PROF. R. MAIR

Consolidation, symmetry, plastic yielding
(Sixteen lectures)**Paper G2 (Structures)**

Leader: Mr F. A. McRobie LR3

PROF. C. R. CALLADINE AND DR R. E. McCONNEL

Elastic theory (Fourteen lectures)

DR C. T. MORLEY

Plastic theory (Two lectures)

The same continued (Eight lectures)

MR F. A. McROBIE

Stability theory (Eight lectures)

Paper G3 (Environmental Engineering)

Leader: Dr A. Al-Tabbaa

DR R. E. BRITTER

Water quality and pollution (Eight lectures)

DR J. F. A. SLEATH

Free surface and Sediment transfer (Eight lectures)

DR J. F. A. SLEATH

Free surface and sediment transport
(Four lectures)

DR A. AL-TABBAA

Groundwater (Twelve lectures)

Paper G4 (Mechanics of Solids)

Leader: Prof. C. R. Calladine

DR T. J. LU, DR J. A. WILLIAMS AND PROF. A. PALMER

Continuum mechanics (Sixteen lectures)

PROF. A. PALMER

Continuum mechanics (Four lectures)

DR J. LEES

Computational methods (Twelve lectures)

Paper G5 (Materials)

Leader: Dr H. R. Shercliff LR3

DR C. Y. BARLOW AND DR H. R. SHERCLIFF

Materials (Sixteen lectures)

The same continued. (Sixteen lectures)

Paper G6 (Mechanics of Machines)

Leader: Dr J. A. Williams LR4

DR J. A. WILLIAMS

Hydrodynamic lubrication (Eight lectures)

DR J. A. GREENWOOD

Mechanics of contacts (Four lectures)

DR J. D. SMITH

Mechanics of cams and gears (Four lectures)

DR M. P. F. SUTCLIFFE

Power transmission systems (Eight lectures)

The same continued. (Eight lectures)

Paper G7 (Dynamics and Vibrations)

Leader: Dr H. E. M. Hunt LR3

DR H. E. M. HUNT

Dynamics (Ten lectures)

PROF. D. E. NEWLAND

Lagrange's equations (Six lectures)

DR H. E. M. HUNT

Vibrations (Eight lectures)

DR D. CEBON

The same continued (Eight lectures)

Paper G8 (Thermodynamics and Fluid Mechanics)

Leader: Prof. A. P. Dowling LR3

PROF. J. D. DENTON

Real flows (Four lectures)

DR M. D. COWLEY

Compressible flow (Twelve lectures)

PROF. A. P. DOWLING

In compressible flow (Ten lectures)

DR J. P. LONGLEY

Turbomachinery (Six lectures)

Paper G9 (Fluid Mechanics)

Leader: Prof. W. N. Dawes LR4

PROF. W. N. DAWES

Fluid flow (Eight lectures)

DR T. ALBOUSSIERE

Boundary layer flows (Eight lectures)

DR W. R. GRAHAM

2-D compressible flow (Four lectures)

DR H. BABINSKY

Applications in external flows (Eight lectures)

Faculty of Engineering (continued)

ENGINEERING TRIPOS, PART IIA/ELECTRICAL AND INFORMATION SCIENCES TRIPOS,
PART I (continued)

MICHAELMAS 1998

LENT 1999

EASTER 1999

Paper G10 (Energy and Power generation)Leader: Dr J. B. Young *LR10*

DR J. B. YOUNG

Power Generation (Four lectures)

DR G. T. PARKS

Steam cycles (Eight lecturers)

Nuclear energy (Four lectures)

Paper G11 (Economics)Leader: Dr G. M. Hodgson *LT2*

DR A. D. COSH

Introduction to microeconomics (Six lectures)

DR G. M. HODGSON AND DR C. PITELIS

Industrial economics (Twelve lectures)

Paper G12 (Management Science)Leader: Dr S. Scholtes *LT2*

DR S. SCHOLTES

Stochastic models (Twelve lectures)

Project Management (Four lectures)

Paper G13 (Technology, Work and Society)Leader: Dr J. Allen *LR4 and Judge Institute, LTI*

MR C. GILL

New technology and the workplace (Eight lectures)

DR C. W. HOPE

Technology and environment (Eight lectures)

Paper E1 (Electronic Circuits)Leader: Dr R. J. Mears *LT2*

DR P. A. ROBERTSON

Analogue circuit techniques (Eight lectures)

MR P. J. SPREADBURY

Logic circuits (Eight lectures)

Paper E2 (Power Electronics, Power Systems and Drives)Leader: Dr R. A. McMahon *LT2/LR4*

DR P. R. PALMER

Electrical drives (Twelve lectures)

DR R. A. McMAHON

Power electronics (Four lectures)

Paper E3 (Electronic and Optical Devices)Leader: Dr R. G. S. Plumb *LT2*

DR P. MIGLIORATO AND DR D. F. MOORE

Semiconductors (Sixteen lectures)

Paper E4 (Control and Signal Processing)Leader: Prof. K. Glover *LT2/LT0*

PROF. K. GLOVER

Linear algebra (Four lectures)

DR S. J. GODSILL

Random signal theory (Four lectures)

DR M. C. SMITH

Discrete time systems (Eight lectures)

Paper E5 (Communication Systems)Leader: Prof. A. Hopper *LT2/LT0*

DR N. G. KINGSBURY

Analogue modulation and noise (Eight lectures)

DR S. J. GODSILL

Baseband transmission (Eight lectures)

DR R. S. CANT

Combustion (Eight lectures)

DR N. COLLINGS

I. C. Engines (Eight lectures)

DR J. COLLIER

Macroeconomic environment
(Fourteen lectures)

DR I. RUDY

Forecasting and regression (Six lectures)

DR C. W. HOPE AND DR J. RUDY

Decision analysis and linear programming
(Ten lectures)

DR E. GARNSEY AND DR J. ALLEN

Industrial sociology (Twelve lectures)

The information society (Four lectures)

DR D. M. HOLBURN

Digital circuits (Eight lectures)

DR R. J. MEARS

Optical circuits (Eight lectures)

The same continued (Eight lectures)

DR A. C. METEXAS

Power systems (Eight lectures)

PROF. W. CROSSLAND

Characteristics of light (Ten lectures)

DR R. G. S. PLUMB

Photonic devices (Six lectures)

PROF. K. GLOVER

State-space methods (Twelve lectures)

DR S. J. GODSILL

Signal estimation (Four lectures)

DR J. WILKINSON AND PROF. W. A. CROSSLAND

Communication networks (Eight lectures)

A. N. OTHER

Source coding (Eight lectures)

Faculty of Engineering (continued)

ENGINEERING TRIPOS, PART II_A/ELECTRICAL AND INFORMATION SCIENCES TRIPOS, PART I (continued)

MICHAELMAS 1998

LENT 1999

EASTER 1999

MICHAELMAS 1998	LENT 1999	EASTER 1999
<p>Paper E6 (Computing Systems) Leader: Dr R. Cipolla <i>LT2</i> DR A. H. GEE Computer architecture (Eight lectures) DR J. BATES Software engineering and distributed computing (Eight lectures) <i>For all students:</i> Laboratory/coursework. W. F. 11-1, 2.15-4.15 (weeks 1-8)</p>	<p>DR M. NIRANIAN Pattern processing (Eight lectures) DR R. CIPOLLA Artificial intelligence (Eight lectures)</p> <p>The same continued (weeks 1-4)</p>	<p>Projects (to be arranged)</p>

ENGINEERING TRIPOS, PART II_B/ELECTRICAL AND INFORMATION SCIENCES TRIPOS, PART II

<p>Module A3 (Geotechnical modelling) DR K. SOGA (Leader) AND DR S. P. G. MADABUSHI (Twelve lectures+coursework)</p> <p>Module A5 (Foundation engineering) DR A. AL-TABBAA (Leader) AND DR K. SOGA (Fourteen lectures+two examples classes+coursework)</p> <p>Module A7 (Concrete and masonry structures) DR C. T. MORLEY (Leader) (Fourteen lectures+two examples classes+coursework)</p> <p>Module A9 (Thin-walled structures) PROF. C. R. CALLADINE (Leader) (Twelve lectures+two examples classes+coursework)</p> <p>Module A11 (Building Physics) DR C. T. MORLEY (Leader), MR P. J. KIRBY AND OTHERS (Fourteen lectures+two examples classes+coursework)</p> <p>Module A12 (Coastal and off-shore engineering) DR J. F. A. SLEATH (Leader) AND PROF. A. C. PALMER (Twelve lectures+two example classes)</p> <p>Module B3 (Electrical materials) DR D. A. CARDWELL, DR R. DOYLE (Leader) AND DR D. F. M. MOORE (Fourteen lectures+two examples classes+coursework)</p> <p>Module B4 (Design methods) DR P. J. CLARKSON AND MR A. L. JOHNSON (Leader) (Twelve lectures+two examples classes+coursework)</p> <p>Module B6 (Advanced linear vibration) PROF. R. LANGLEY (Leader), DR H. HUNT AND DR D. CEBON (Thirteen lectures+two examples classes+coursework)</p> <p>Module B7 (Random and non-linear vibrations) PROF. D. E. NEWLAND AND DR J. D. SMITH (Leader) (Twelve lectures+two examples classes+coursework)</p> <p>Module B8 (Applications of Dynamics) MR A. L. JOHNSON AND DR D. CEBON (Leader) (Twelve lectures+two examples classes+coursework)</p> <p>Module B9 (Continuum mechanics) DR W. J. STRONGE (Leader) AND DR T. J. LU (Sixteen lectures)</p> <p>Module B11 (Advanced tribology) DR J. A. GREENWOOD (Leader) AND DR J. D. SMITH (Fourteen lectures+two examples classes)</p> <p>Module C2 (Computational fluid mechanics) DR T. P. HYNES AND PROF. J. D. DENTON (Leader) (coursework with integrated lectures)</p>	<p>Module A4 (Ground engineering) DR S. MADABUSHI AND DR K. SOGA (Leader) (Sixteen lectures+coursework)</p> <p>Module A6 (Structural dynamics and earthquake engineering) DR S. D. GUEST (Leader), MR F. A. McROBIE AND DR S. MADABUSHI (Twelve lectures+two examples classes+coursework)</p> <p>Module A8 (Prestressed concrete) DR C. J. BURGOYNE (Leader) (Fourteen lectures+two examples classes+coursework)</p> <p>Module A10 (Structural steel) DR R. E. McCONNEL (Leader) (Fourteen lectures+two examples classes+coursework)</p> <p>Module A13 (Architectural engineering) DR C. R. MIDDLETON (Leader), PROF. P. CAROLIN, DR R. J. S. SPENCE AND OTHERS (Fourteen lectures+coursework)</p> <p>Module B1 (Deformation and fracture) PROF. N. A. FLECK (Leader) AND DR T. J. LU (Sixteen lectures)</p> <p>Module B2 (Designing with composites) PROF. N. A. FLECK, DR M. P. F. SUTCLIFFE (Leader) AND DR P. W. R. BEAUMONT (Twelve lectures+two examples classes+design case study)</p> <p>Module B5 (Design case studies) DR A. J. ORGAN (Leader) (Ten lectures+coursework)</p> <p>Module B10 (Finite elements) DR W. J. STRONGE (Leader), DR T. J. LU AND DR D. CEBON (Twelve lectures+coursework)</p> <p>Module B12 (Wave propagation) DR W. J. STRONGE (Leader) AND PROF. R. LANGLEY (Twelve lectures+coursework)</p> <p>Module C1 (Nuclear power engineering) DR J. D. LEWINS (Leader), DR G. T. PARKS AND MR R. SKELTON (Twelve lectures+two examples classes+coursework)</p> <p>Module C6 (Flow induced sound and vibration) PROF. J. E. FLOWCS WILLIAMS (Leader) AND DR N. PEAKE (Twelve lectures+two examples classes+coursework)</p>	
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Faculty of Engineering (continued)

ENGINEERING TRIPOS, PART IIB/ELECTRICAL AND INFORMATION SCIENCES TRIPOS,
PART II (continued)

MICHAELMAS 1998

LENT 1999

EASTER 1999

<p>Module C3 (Turbomachinery I) PROF. J. D. DENTON (Leader) AND DR J. B. YOUNG (Twelve lectures including examples classes+coursework)</p> <p>Module C4 (Aircraft stability and control) DR W. R. GRAHAM (Leader) (Eight lectures Michaelmas, four lectures Lent+two examples classes+coursework)</p> <p>Module C5 (Internal combustion engines) DR N. COLLINGS (Leader) (Twelve lectures+two lectures classes+coursework)</p> <p>Module C8 (Environmental fluid mechanics) DR R. E. BRITTER (Leader) (Fourteen lectures+two examples classes)</p> <p>Module C10 (Flow instability) PROF. A. P. DOWLING (Leader) AND DR R. E. BRITTER (Sixteen lectures)</p> <p>Module D2 (Power electronics and applications) DR P. R. PALMER (Leader) (Fourteen lectures+two examples classes)</p> <p>Module D8 (analogue circuit techniques) MR T. J. WILMHURST (Leader) AND MR P. J. SPREADBURY (Twelve lectures+two examples classes+coursework)</p> <p>Module D9 (Optical communications) DR R. J. MEARS (Leader) AND DR R. G. S. PLUMB (Twelve lectures+two examples classes+coursework)</p> <p>Module D10 (Optoelectronic technology) DR R. G. S. PLUMB (Leader) (Twelve lectures+one examples classes+coursework)</p> <p>Module D14 (Solar electronic power generation and distribution) PROF. G. A. J. AMARATUNGA AND PROF. W. I. MILNE (Twelve lectures+coursework)</p> <p>Module I1 (Control system design) DR J. MACIEJOWSKI AND DR M. C. SMITH (Leader) (Twelve lectures+two examples classes+coursework)</p> <p>Module I4 (Control applications) DR R. J. RICHARDS (Leader) (Sixteen lectures)</p> <p>Module I7 (Digital filters and spectral estimation) PROF. P. J. W. RAYNER (Leader) AND DR M. D. MACLEOD (Sixteen lectures)</p> <p>Module I8 (Image processing and image coding) PROF. P. J. W. RAYNER AND DR N. G. KINGSBURY (Leader) (Sixteen lectures)</p> <p>Module I10 (Advanced pattern processing) MR J. M. R. MATHESON AND DR M. NIRANIAN (Leader) (Fourteen lectures+two examples classes)</p> <p>Module I11 (Speech processing) MR P. WOODLAND AND DR A. J. ROBINSON (Leader) (Fourteen lectures+two examples classes)</p> <p>Module I12 (Computer vision and robotics) DR A. H. GEE AND DR R. CIPOLLA (Leader) (Sixteen lectures)</p> <p>Module F6 (Accounting and finance) DR L. CONRAD (Leader) AND DR B. LAMBRECHT (Thirteen lectures+three examples classes)</p>	<p>Module C7 (Aerodynamics) PROF. W. N. DAWES (Leader), DR H. BABINSKY, PROF. I. YATES AND OTHERS (Twelve lectures)</p> <p>Module C11 (Turbomachinery II) DR J. P. LONGLEY AND DR L. XU (Leader) (Sixteen lectures)</p> <p>Module C12 (Turbulence) DR P. A. DAVIDSON (Leader) AND DR T. ALBOUSIERE (Sixteen lectures)</p> <p>Module D1 (Electrical machines) DR R. A. McMAHON (Leader) AND DR D. CARTER (Fourteen lectures+two examples classes)</p> <p>Module D3 (Power utilisation) DR A. C. METAXAS (Leader) (Twelve lectures+two examples classes+coursework)</p> <p>Module D6 (Solid state devices) DR D. F. MOORE (Leader), DR P. MIGLIORATO AND PROF. W. I. MILNE (Fourteen lectures+coursework)</p> <p>Module D7 (VLSI design, technology and CAD) DR D. F. MOORE AND DR D. M. HOLBURN (Leader) (Twelve lectures including examples classes+coursework)</p> <p>Module D11 (Photonic systems) PROF. W. A. CROSSLAND (Leader) AND DR T. WILKINSON (Sixteen lectures)</p> <p>Module D13 (Sensors and instrumentation) DR P. A. ROBERTSON (Leader), MR P. J. SPREADBURY AND DR D. F. M. MOORE (Fourteen lectures+coursework)</p> <p>Module I2 (Robust multivariable control) PROF. K. GLOVER (Leader) AND DR G. VINNICOMBE (Sixteen lectures)</p> <p>Module I3 (Nonlinear and adaptive control) DR J. M. MACIEJOWSKI (Leader) (Sixteen lectures)</p> <p>Module I5 (Digital communications) DR M. D. MACLEOD (Leader), PROF. W. A. CROSSLAND AND DR N. G. KINGSBURY (Sixteen lectures)</p> <p>Module I6 (Signal detection and estimation) PROF. P. J. W. RAYNER AND DR S. J. GODSILL (Leader) (Sixteen lectures)</p> <p>Module I9 (Medical imaging) DR A. GEE (Leader), DR R. W. PRAGER AND DR J. CARR (Sixteen lectures).</p> <p>Module F3 (Production and operations management) DR S. SCHOLTES (Leader) (Fourteen lectures+two examples classes)</p> <p>Module F5 (International business economics) DR C. PITELIS (Leader), DR J. COLLIER AND DR P. NOLAN (Lectures+coursework)</p> <p>Module F7 (Enterprise and business development) DR E. W. GARNSEY (Leader) (Lectures and coursework in eight 2-hour sessions)</p>	
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Faculty of Engineering (continued)

ENGINEERING TRIPOS, PART II_B/ELECTRICAL AND INFORMATION SCIENCES TRIPOS, PART II (continued)

MICHAELMAS 1998

LENT 1999

EASTER 1999

Module F13 (Linear algebra and optimisation)

DR S. D. GUEST (Leader) AND DR G. T. PARKS
(Fourteen lectures+two examples
classes+coursework)

Module F9 (Petroleum engineering)

PROF. A. C. PALMER (Leader)
(Twelve lectures+coursework)

Module F10 (French)

Leaders: MRS A. KING AND
DR J. M. MACIEJOWSKI
Two streams: advanced and intermediate
Various lecturers (Seven lectures+seven
seminars+coursework)

Module F11 (German)

Leaders: MRS A. KING AND
DR J. M. MACIEJOWSKI
Two streams: advanced and intermediate
Various lecturers (Seven lectures+seven
seminars+coursework)

Module F12 (Complex analysis and variational methods)

PROF. N. A. FLECK AND PROF. R. LANGLEY
(Leader) (Sixteen lectures)

MANAGEMENT STUDIES TRIPOS

(A detailed timetable will be displayed in the Department)

Lectures in LT1, Judge Institute

Paper M1 (Organisational behaviour)

Leader: A. N. Other
DR N. OLIVER AND DR A. D. BROWN
(Sixteen lectures)

Paper M2 (Quantitative methods)

Leader: Dr C. W. Hope
DR C. W. HOPE AND DR I. RUDY
(Sixteen lectures)

Paper M3 (Economics of firms and markets)

Leader: Dr J. Collier
DR G. HODGSON, DR J. COLLIER, DR A. D. COSH AND
DR C. PITELIS
(Sixteen lectures)

Paper M4 (Finance management accounting)

Details to be announced (Sixteen lectures)

Paper M5 (Operations management)

Details to be accounted (Sixteen lectures)

Paper M6 (Marketing)

A. N. OTHER

Paper M7 (International HRM)

Details to be announced (Sixteen lectures)

Paper M8 (Management Science)

DR F. VANDERBECK
(Sixteen lectures)

Paper M9 (International business economics)

DR C. PITELIS

Paper M10 (Corporate finance)

DR B. LAMBRECHT
(Sixteen lectures)

Paper M11 (Information systems)

DR J. ALLEN AND DR I. RUDY
(Sixteen lectures)

Paper M12 (Strategic management)

DR J. HENDRY
(Sixteen lectures)

Faculty of Engineering (continued)**MANAGEMENT ENGINEERING TRIPOS, PART I**

MICHAELMAS 1998

LENT 1999

EASTER 1999

Paper P1 (Design and Manufacture)

Leader: Dr T. P. Bligh

DR T. P. BLIGH

Engineering Design (Seven lectures)

DR K. W. PLATTS

Industrial engineering (Eight lectures)

DR D. C. McFARLANE

Machine and factory automation (Six lectures)

MR M. J. PLATTS

Design 2 (Eight lectures)

DR K. W. PLATTS

Design of Manufacturing Systems
(Four lectures)**Paper P2 (Organisation and Control of Manufacturing Systems)**

Leader: Dr J. Allen

DR J. ALLEN AND DR A. D. NEELY

Quality Control (Sixteen lectures) and information
systems and inventory control

DR R. STEINBERG

Scheduling (Eight lectures)

Inventory Control (Eight lectures)

Paper P3 (Management Economics and Accounting)

Leader: Ms L. Conrad

DR A. D. COSH

Introduction to Microeconomics (Nine lectures)

DR A. D. COSH AND MS L. CONRAD

Industrial Economics and Cost Accounting
(Thirteen lectures)

MS L. CONRAD

Accounting and Finance (Sixteen lectures)

Paper G5 (Engineering Materials and Processing)

Leader: Dr C. Y. Barlow

The same as Engineering Tripos, Part IIA, Paper 4

Paper P5

Details to be announced

For all students reading the Manufacturing Engineering Tripos:

PROF. M. J. GREGORY AND OTHERS

Factory Visit. Workshops. Tu. all day

Laboratory/Projects (to be arrange)

The same continued

Faculty of Engineering (continued)

M.PHIL. (one-year-course) IN COMPUTER SPEECH AND LANGUAGE PROCESSING

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EASTER 1999

PROF. S. J. YOUNG

Introduction to Speech Processing. Th. 9 (week 1, 2)
Algorithms for Speech Analysis. M. 12, Tu. F. 10
(weeks 1-3)

DR J. P. BLEVINS

Linguistics. Th. 10 (weeks 1-3)

MR P. GOSLING

Introduction to Computing – Unis. Tu. 12, Th. 11
(week 1)

Computing, C Programming. M. 10, W. Th. F. 12
(weeks 1-2)

DR K. SPARCK JONES

Introduction to Language Processing. W. F. 11
(weeks 1-2)

DR G. TITMUS

Introduction to Computing. Tu. 12 (week 2)
Computer Laboratory

DR E. J. BRISCOE

Automated Syntactic and Semantic Analysis.
M. Tu. Th. 11 (weeks 1-5)

DR S. G. PULMAN

Computing, Prolog. Tu. W. Th. F. 12 (weeks 3-4)
Pragmatics, Representation and Reasoning.

M. Tu. Th. 11 (week 6-8)

DR B. KÜHNERT

Phonetics. M. W. 10 (weeks 3, 5, 7)

Phonology. M. W. 10 (weeks 4, 6, 8)

DR A. J. ROBINSON

Pattern Processing. M. 12, Tu. F. 10 (weeks 3-6)

MR P. C. WOODLAND

Speech Recognition. M. 12, Tu. F. 10 (weeks 6-8)

Computing Practicals. M. Tu. Th. 2-5 (weeks 1-8);

F. 2-5 (weeks 3-8) *Computer Laboratory only*

MR P. WOODLAND

Acoustic Modelling. Tu. Th. 10 (weeks 1-4)

Search and Language Modelling. W. F. 10
(weeks 5-8)

PROF. S. J. YOUNG

Speech Analysis. W. F. 10 (weeks 1-4)

DR E. BRISCOE

Syntax and Parsing. Tu. Th. 11 (weeks 1-4)

DR S. G. PULMAN

Semantics and Inference. W. F. 11 (weeks 1-4)

Discourse Processing. W. F. 11 (weeks 5-8)

DR G. GASKELL

Psycholinguistics/Speech Perception.

Tu. F. 12 (weeks 1-4)

VISITING SPEAKERS

Speech and Language Applications. Th. 12

(weeks 1-8)

DR K. SPARCK JONES

Language Systems. Tu. Th. 11 (weeks 5-8)

DR M. NIRANJAN

Speech Output. Tu. Th. 10 (weeks 5-8)

Speech and Language Practicals (weeks 1-8):

Engineering – M. Tu. Th. 2-5

Computer Laboratory – M. Tu. Th. F. 2-5

M.PHIL. (one-year course) MICROELECTRONIC ENGINEERING AND SEMICONDUCTOR PHYSICS

Details of the lectures for this course may be found on page 204

A more detailed teaching programme, with information about the laboratory courses, may be obtained from Dr J. R. A. Cleaver at the *Department of Physics*.