

Lectures proposed by the Computer Science Syndicate

For particulars of the University Composition Fee and of the fees payable for attendance at separate courses of lectures see p. 2. Graduates of the University who are not reading for any University examination may attend without payment any lecture proposed by the Computer Science Syndicate. Attention is drawn to the course for the M.Phil. in 'Computer Speech, Text and Internet Technology' given on p. 140. Attention is also drawn to the courses for the Mathematical Tripos, Part IA (Computer Science Option) given on p. 148.

COMPUTER SCIENCE TRIPOS

MICHAELMAS 2001

LENT 2002

EASTER 2002

PART IA

Regulation 10(d) (i) (the 50% Option)

Lectures will be delivered in the Cockcroft Lecture Theatre, New Museums Site unless otherwise stated

Candidates taking Part IA of the Computer Science Tripos under Regulation 10(d)(i) (the 50% Option) are also required to offer the papers set for the subject Mathematics in Part IA of the Natural Sciences Tripos¹ and the paper, and practical examination if any, set for one of the following subjects in Part IA of the Natural Sciences Tripos: Biology of Cells, Chemistry, Geology, Materials and Mineral Sciences, and Physics².

DR F. H. KING AND MISS C. H. NORTHEAST
Registration. Th. 11 (One lecture) *Heycock Room*

PROF. I. M. LESLIE
Digital Electronics. Tu. Th. S. 11 (Eleven lectures, beginning 6 Oct.) *Arts School, Room A*

DR R. C. JENNINGS
Professional Practice and Ethics. Tu. Th. 11 (Eight lectures, beginning 1 Nov.) *Hopkinson Lecture Room*

MR N. BAILEY, PROF. SIR MAURICE WILKES,
PROF. R. M. NEEDHAM AND PROF. A. J. R. G. MILNER
Computer Perspectives. S. 11 (Four lectures, beginning 3 Nov.) *Hopkinson Lecture Room*

PROF. I. M. LESLIE
Introduction to Computer Science. Th. 12 (One lecture)

DR L. C. PAULSON
Foundations of Computer Science. Tu. Th. S. 12 (Fifteen lectures, beginning 6 Oct.)

DR P. ROBINSON
Discrete Mathematics. Tu. Th. S. 12 (Eight lectures, beginning 10 Nov.)

DR F. H. KING, MISS C. H. NORTHEAST AND MR R. J. STIBBS
Practical ML under Windows. Th. 2–4 or 4–6 (Two Thursday classes) *Hopkinson Lecture Room*

DR L. C. PAULSON AND DR F. H. KING
Programming Practical Class. Th. 2–4 (Three fortnightly classes, beginning 18 Oct. or 25 Oct.) *Cockcroft Building, Floor 4*

DR A. C. NORMAN AND OTHERS
How to Study Computer Science. Th. 5 (One lecture, 18 Oct.) *Arts School, Room A*

DR F. H. KING
Tick-Four Briefing. Th. 5 (One lecture, 25 Oct.) *Hopkinson Lecture Room*

DR A. N. OTHER
Help Sessions. Th. 4 (Four classes, beginning 1 Nov.) *Hopkinson Lecture Room*

DR J. GREAVES AND DR I. A. PRATT
Hardware Briefing and Introductory Practical Class³. Th. 2–5 or F. 10–1 (One class, 18 Oct. or 19 Oct. or 25 Oct. or 26 Oct.) *Cockcroft Building, Floor 4*

DR F. H. KING
Probability. Tu. Th. S. 11 (Twelve lectures) *Hopkinson Lecture Room*

DR A. F. BLACKWELL
Software Engineering I. Tu. Th. S. 11 (Six lectures, beginning 14 Feb.) *Arts School, Room A*

DR L. C. PAULSON
Software Engineering II. Tu. Th. S. 11 (Six lectures, beginning 28 Feb.) *Arts School, Room A*

PROF. G. WINSKEL
The same continued. Tu. Th. S. 12 (Eight lectures)

DR A. C. NORMAN
Programming in Java. Tu. Th. S. 12 (Sixteen lectures, beginning 5 Feb.)

DR F. H. KING
Programming Practical Class. Th. 2–4 (One class, 17 Jan. or 24 Jan.) *Cockcroft Building, Floor 4*

DR F. H. KING, MISS C. H. NORTHEAST AND MR R. J. STIBBS
Unix Registration. Th. or F. 1.30–4 (One class, 31 Jan. or 1 Feb. or 7 Feb.) *Hopkinson Lecture Room*

DR F. H. KING AND DR A. C. NORMAN
Programming Practical Class. Th. 2–4 (Two fortnightly classes, beginning 14 Feb. or 21 Feb.) *Cockcroft Building, Floor 4*

DR A. M. PITTS
Regular Languages and Finite Automata. Tu. Th. S. 11 (Six lectures) *Hopkinson Lecture Room*

DR D. J. GREAVES
Structured Hardware Design. Tu. Th. S. 11 (Six lectures, beginning 9 May) *Hopkinson Lecture Room*

MR T. L. HARRIS
Operating Systems. Tu. Th. S. 12

DR F. H. KING AND DR A. C. NORMAN
Programming Practical Class. Th. 1–4 *Cockcroft Building, Floor 4*

¹ The above timetable means that it is not possible to attend the Michaelmas Term Computing course which is associated with subject Mathematics in the Natural Sciences Tripos. Alternative arrangements will be explained in the first lecture on Practical ML under Windows at 2 p.m. on 4 October.

² It is particularly important for those reading Physics to register for practical classes at 11.30 a.m. on Wednesday, 3 October at the *Cavendish Laboratory*.

³ Those reading Physics normally attend the Friday morning Hardware Practical Classes. Those reading other bench subjects should attend the Thursday afternoon Hardware Practical Classes.

The above timetable also means that it is essential *not* to arrange Supervisions, Natural Sciences Tripos practical classes, or any other activities, on Thursday afternoons.

Computer Science Syndicate (continued)

COMPUTER SCIENCE TRIPOS, PART IA (continued) AND PART IB

MICHAELMAS 2001

LENT 2002

EASTER 2002

DR D. J. GREAVES AND DR I. A. PRATT
Hardware Practical Class³. Th. 2–4 or F. 10–12 (Two fortnightly classes, beginning 1 Nov. or 2 Nov. or 8 Nov. or 9 Nov.) *Cockcroft Building, Floor 4*

DR D. J. GREAVES AND DR I. A. PRATT
The same continued³. Th. 2–4 or F. 10–12 (Four fortnightly classes, beginning 17 Jan. or 18 Jan. or 24 Jan. or 25 Jan.) *Cockcroft Building, Floor 4*

PART IA

Regulation 10(d) (i) (the 25% Option)

Lectures will be delivered in the Cockcroft Lecture Theatre, New Museums Site, unless otherwise stated

Candidates taking Part IA of the Computer Science Tripos under Regulation 10(d)(i) (the 25% Option) are also required to offer the papers set for the subject Mathematics in Part IA of the Natural Sciences Tripos and the papers, and practical examinations if any, set for two of the following subjects in Part IA of the Natural Sciences Tripos: Biology of Cells, Evolution and Behaviour¹, Chemistry, Geology, Materials and Mineral Sciences, and Physics².

DR F. H. KING AND MISS C. H. NORTHEAST
Registration¹. Th. 11 (One lecture) *Heycock Room*

PROF. I. M. LESLIE
Introduction to Computer Science. Th. 12 (One lecture)

DR L. C. PAULSON
Foundations of Computer Science. Tu. Th. S. 12 (Fifteen lectures, beginning 6 Oct.)

DR P. ROBINSON
Discrete Mathematics. Tu. Th. S. 12 (Eight lectures, beginning 10 Nov.)

DR F. H. KING, MISS C. H. NORTHEAST AND MR R. J. STIBBS
Practical ML under Windows. Th. 2–4 or 4–6 (Two Thursday classes) *Hopkinson Lecture Room*

DR L. C. PAULSON AND DR F. H. KING
Programming Practical Class. Th. 2–4 (Three fortnightly classes, beginning 18 Oct. or 25 Oct.) *Cockcroft Building, Floor 4*

DR A. C. NORMAN AND OTHERS
How to Study Computer Science. Th. 5 (One lecture, 18 Oct.) *Arts School, Room A*

DR F. H. KING
Tick-Four Briefing. Th. 5 (One lecture, 25 Oct.) *Hopkinson Lecture Room*

DR A. N. OTHER
Help Sessions. Th. 4 (Four classes, beginning 1 Nov.) *Hopkinson Lecture Room*

PROF. G. WINSKEL
The same continued. Tu. Th. S. 12 (Eight lectures)

DR A. C. NORMAN
Programming in Java. Tu. Th. S. 12 (Sixteen lectures, beginning 5 Feb.)

DR F. H. KING
Programming Practical Class. Th. 2–4 (One class, 17 Jan. or 24 Jan.) *Cockcroft Building, Floor 4*

DR F. H. KING, MISS C. H. NORTHEAST AND MR R. J. STIBBS
Unix Registration. Th. or F. 1.30–4 (One class, 31 Jan. or 1 Feb. or 7 Feb.) *Hopkinson Lecture Room*

DR F. H. KING AND DR A. C. NORMAN
Programming Practical Class. Th. 2–4 (Two fortnightly classes, beginning 14 Feb. or 21 Feb.) *Cockcroft Building, Floor 4*

MR T. L. HARRIS
Operating Systems. Tu. Th. S. 12

DR F. H. KING AND DR A. C. NORMAN
Programming Practical Class. Th. 1–4 (Two fortnightly classes, beginning 25 Apr. or 2 May) *Cockcroft Building, Floor 4*

PART IB

Lectures will be delivered in the Large Lecture Theatre, William Gates Building, unless otherwise stated

MR T. L. HARRIS
Concurrent Systems and Applications. Tu. Th. S. 10 *Heycock Room*

DR S. W. MOORE
ECAD. M. W. F. 10 (Eight lectures) *Heycock Room*

DR S. W. MOORE
Computer Design. M. W. F. 10 (Sixteen lectures, beginning 24 Oct.) *Heycock Room*

MR M. G. KUHN
Unix Tools. M. W. F. 11 (Four lectures) *Heycock Room*

PROF. I. M. LESLIE
Digital Electronics (for those who have not previously attended this course). Tu. Th. S. 11 (Eleven lectures, beginning 6 Oct.) *Arts School, Room A*

DR R. J. GIBBENS
Continuous Mathematics. M. W. F. 11 (Four lectures, beginning 15 Oct.) *Heycock Room*

DR M. RICHARDS
Data Structures and Algorithms. M. W. F. 11 (Sixteen lectures, beginning 24 Oct.) *Heycock Room*

DR M. RICHARDS
Comparative Programming Languages. Tu. Th. 10 (Twelve lectures)

MR M. G. KUHN
Introduction to Security. M. W. F. 10 (Six lectures)

DR A. MYCROFT
Compiler Construction. M. W. F. S. 10 (Eight lectures, beginning 1 Feb.), M. W. F. 10 (Twelve lectures)

PROF. I. M. LESLIE
Digital Communication I. Tu. Th. S. 11 (Twelve lectures)

DR M. RICHARDS
Prolog for Artificial Intelligence. M. W. F. 11 (Twelve lectures, beginning 15 Feb.)

DR A. M. PITTS
Computation Theory. M. W. F. 12 (Twelve lectures)

DR G. M. BIERMAN
Databases. Tu. Th. S. 10

PROF. M. J. C. GORDON
Project Briefing I. W. 10 (One lecture, 22 May) *Small Lecture Theatre*

DR N. A. DODGSON
Computer Graphics and Image Processing. Tu. Th. S. 11

DR A. C. NORMAN
Foundations of Functional Programming. M. W. F. 11 *Small Lecture Theatre*

DR A. DAWAR
Complexity Theory. M. W. F. 12

¹ It is not possible for those reading Evolution and Behaviour to attend the Registration session or to attend the Michaelmas Term Computing course which is associated with subject Mathematics in the Natural Sciences Tripos. Alternative arrangements will be explained in the first lecture on Practical ML under Windows at 2 p.m. on 4 October.

² It is particularly important for those reading Physics to register for practical classes at 11.30 a.m. on Wednesday, 3 October at the *Cavendish Laboratory*.

The above timetable means that it is essential *not* to arrange Supervisions, Natural Sciences Tripos practical classes, or any other activities, on Thursday afternoons.

Computer Science Syndicate (continued)

COMPUTER SCIENCE TRIPOS, PART IB (continued) AND PART II

MICHAELMAS 2001

LENT 2002

EASTER 2002

DR M. R. O'DONOHUE
Numerical Analysis I. Tu. Th. 11 (Eight lectures, beginning 1 Nov.) *Arts School, Room A*

DR L. C. PAULSON
Logic and Proof. M. W. F. 12 (Twelve lectures) *Heycock Room*

DR A. F. BLACKWELL
Group Project Briefing. W. F. 12 (Two lectures, beginning 21 Nov.) *Heycock Room*

DR S. W. MOORE AND OTHERS
ECAD and Architecture Practical Class. Tu. or F. 2–4 (Seven classes, beginning 12 Oct. or 16 Oct.) *Intel Workstation Room*

DR D. J. GREAVES AND DR I. A. PRATT
Hardware Briefing and Introductory Practical Class (for those who have not previously attended this course). Th. 2–5 (One class, 18 Oct. or 25 Oct.) *Cockcroft Building, Floor 4*

DR D. J. GREAVES AND DR I. A. PRATT
Hardware Practical Class (for those who have not previously attended this course). Th. 2–4 (Two fortnightly classes, beginning 1 Nov. or 8 Nov.) *Cockcroft Building, Floor 4*

DR A. M. PITTS
Semantics of Programming Languages. M. W. F. 12 (Twelve lectures, beginning 15 Feb.)

DR D. J. GREAVES AND DR I. A. PRATT
Hardware Practical Class (for those who have not previously attended this course). Th. 2–4 (Four fortnightly classes, beginning 17 Jan. or 24 Jan.) *Cockcroft Building, Floor 4*

DR A. F. BLACKWELL
Group Project Inaugural Meeting. Th. 2 (One class)

DR A. F. BLACKWELL AND OTHERS
Group Project Syndicate Meetings. W. or Th. or F. 2 or 3 or 4 or 5 (Three fortnightly meetings of one hour, beginning 30 Jan. or 31 Jan. or 1 Feb.) *Meeting Room GW01 or Meeting Room FW01*

DR S. W. MOORE
How (not) to give a Presentation. Tu. 2. (One lecture, 5 Feb.)

DR A. F. BLACKWELL AND OTHERS
Group Project Demonstrations. W. 2–4 (One session, 6 Mar.) *Intel Workstation Room*

DR A. F. BLACKWELL AND OTHERS
Group Project Presentations. W. 4.15 (One session, 6 Mar.)

PART II

Lectures will be delivered in the Small Lecture Theatre, William Gates Building, unless otherwise stated

PROF. M. J. C. GORDON
Project Briefing II. Th. 9 (One lecture) *Rayleigh Lecture Theatre*

DR P. ROBINSON
VLSI Design. Tu. Th. 10 *Rayleigh Lecture Theatre*

DR A. C. NORMAN
Advanced Algorithms. M. W. F. 10 (Sixteen lectures) *Rayleigh Lecture Theatre*

PROF. A. HOPPER AND OTHERS
Additional Topics. M. W. F. 10 (Eight lectures, beginning 12 Nov.)

DR N. A. DODGSON AND DR A. F. BLACKWELL
Advanced Graphics and HCI. Tu. Th. 11 *Rayleigh Lecture Theatre*

DR I. A. PRATT
Digital Communication II. M. W. F. 11 (Sixteen lectures) *Rayleigh Lecture Theatre*

DR R. J. GIBBENS
Computer Systems Modelling. M. W. F. 11 (Eight lectures, beginning 12 Nov.)

DR J. G. DAUGMAN
Information Theory and Coding. Tu. Th. 12 *Rayleigh Lecture Theatre*

DR A. M. PITTS
Types. M. W. F. 12 (Eight lectures) *Rayleigh Lecture Theatre*

PROF. G. WINSKEL
Denotational Semantics. M. W. F. 12 (Eight lectures, beginning 24 Oct.) *Rayleigh Lecture Theatre*

PROF. M. J. C. GORDON
Specification and Verification I. M. W. F. 12 (Eight lectures, beginning 12 Nov.)

DR M. R. O'DONOHUE
Numerical Analysis II. M. W. F. 9 (Twelve lectures, beginning 15 Feb.) *Large Lecture Theatre*

PROF. A. HOPPER AND OTHERS
The same continued. M. W. F. 10 (Eight lectures)

DR I. A. PRATT
Comparative Architectures. Tu. Th. 10 (Twelve lectures, beginning 31 Jan.)

DR A. MYCROFT
Optimising Compilers. Tu. Th. 11

DR E. J. BRISCOE
Natural Language Processing. M. W. F. 11 (Eight lectures) *Large Lecture Theatre*

MR M. G. KUHN
Security. M. W. F. 11 (Sixteen lectures, beginning 6 Feb.)

DR J. G. DAUGMAN
Neural Computing. Tu. Th. 12

PROF. M. J. C. GORDON
The same continued. M. W. F. 12 (Four lectures)

PROF. G. WINSKEL
Topics in Concurrency. M. W. F. 12 (Sixteen lectures, beginning 6 Feb.)

STAFF
Progress Report Presentations. Th. or F. or M. or Tu. 2 (One session, 7 Feb. or 8 Feb. or 11 Feb. or 12 Feb.) *Seminar Room GW10 or Seminar Room FW10*

MR J. A. LANG
Business Studies. M. W. F. 11 *Large Lecture Theatre*

MR J. A. LANG AND OTHERS
E-Commerce. Tu. Th. 11 (Six lectures, beginning 30 April)

DR J. G. DAUGMAN
Computer Vision. Tu. Th. 12 *Large Lecture Theatre*

PROF. M. J. C. GORDON
Specification and Verification II. M. W. F. 12

Computer Science Syndicate (continued)

COMPUTER SCIENCE TRIPOS, PART II (GENERAL) AND DIPLOMA IN COMPUTER SCIENCE

Lectures will be delivered in the Large Lecture Theatre, William Gates Building, unless otherwise stated

- | | | |
|--|---|---|
| <p>DR F. H. KING AND MR R. J. STIBBS
Programming in Java and Unix (Diploma Students only). M. Tu. W. 9–4 (Three days, beginning Monday 1 Oct. at 10) <i>Hopkinson Lecture Room</i></p> <p>MR R. J. STIBBS
Elementary Use of the Unix Teaching Service. S. 9–11 (Three lectures) <i>Hopkinson Lecture Room</i></p> <p>PROF. M. J. C. GORDON
Project Briefing II (Diploma Students only). Th. 9 (One lecture, 15 Nov.) <i>Hopkinson Lecture Room</i></p> <p>PROF. I. M. LESLIE
Introduction to Computer Science. Th. 10 (One lecture) <i>Hopkinson Lecture Room</i></p> <p>DR F. H. KING
Foundations of Programming (Diploma Students only). M. Tu. W. Th. F. 10 (Thirteen lectures, beginning 5 Oct.), Tu. Th. S. 10 (Three lectures) <i>Hopkinson Lecture Room</i></p> <p>DR S. W. MOORE
Computer Design. M. W. F. 10 (Sixteen lectures, beginning 24 Oct.) <i>Heycock Room</i></p> <p>PROF. M. J. C. GORDON
Project Briefing I. (Diploma Students only). Th. 11 (One lecture) <i>Hopkinson Lecture Room</i></p> <p>DR M. RICHARDS
Introduction to Algorithms. M. W. F. 11 (Four lectures) <i>Hopkinson Lecture Room</i></p> <p>PROF. I. M. LESLIE
Digital Electronics. Tu. Th. S. 11 (Eleven lectures, beginning 6 Oct.) <i>Arts School, Room A</i></p> <p>DR R. J. GIBBENS
Continuous Mathematics. M. W. F. 11 (Four lectures, beginning 15 Oct.) <i>Heycock Room</i></p> <p>DR M. RICHARDS
Data Structures and Algorithms. M. W. F. 11 (Sixteen lectures, beginning 24 Oct.) <i>Heycock Room</i></p> <p>DR M. R. O'DONOHUE
Numerical Analysis I. Tu. Th. 11 (Eight lectures, beginning 1 Nov.) <i>Arts School, Room A</i></p> <p>DR G. M. BIERMAN
Operating System Foundations. M. W. F. 12 (Sixteen lectures) <i>Hopkinson Lecture Room</i></p> <p>DR A. C. NORMAN
Mathematics for Computation Theory. Tu. Th. 12 (Twelve lectures, beginning 18 Oct.) <i>Hopkinson Lecture Room</i></p> <p>DR A. F. BLACKWELL
Group Project Briefing (Part II (General) Students only). W. F. 12 (Two lectures, beginning 21 Nov.) <i>Heycock Room</i></p> <p>MR R. J. STIBBS AND OTHERS
Programming Practical Class. M. 2–4 <i>Cockcroft Building, Floor 4</i></p> <p>DR A. C. NORMAN AND OTHERS
How to Study Computer Science. Th. 5 (One lecture, 18 Oct.) <i>Arts School, Room A</i></p> | <p>DR M. R. O'DONOHUE
Numerical Analysis II. M. W. F. 9 (Twelve lectures, beginning 15 Feb.)</p> <p>DR M. RICHARDS
Comparative Programming Languages. Tu. Th. 10 (Twelve lectures)</p> <p>MR M. G. KUHN
Introduction to Security. M. W. F. 10 (Six lectures)</p> <p>DR A. MYCROFT
Compiler Construction. M. W. F. S. 10 (Eight lectures, beginning 1 Feb.), M. W. F. 10 (Twelve lectures)</p> <p>PROF. I. M. LESLIE
Digital Communication. Tu. Th. S. 11 (Twelve lectures)</p> <p>DR E. J. BRISCOE
Natural Language Processing. M. W. F. 11 (Eight lectures)</p> <p>DR A. F. BLACKWELL
Software Engineering I. Tu. Th. S. 11 (Six lectures, beginning 14 Feb.) <i>Arts School, Room A</i></p> <p>DR M. RICHARDS
Prolog for Artificial Intelligence. M. W. F. 11 (Twelve lectures, beginning 15 Feb.)</p> <p>DR L. C. PAULSON
Software Engineering II. Tu. Th. S. 11 (Six lectures, beginning 28 Feb.) <i>Arts School, Room A</i></p> <p>DR A. DAWAR
Introduction to Functional Programming. Tu. Th. 12 (Twelve lectures)</p> <p>DR A. M. PITTS
Computation Theory. M. W. F. 12 (Twelve lectures)</p> <p>DR A. F. BLACKWELL
Group Project Inaugural Meeting (Part II (General) Students only). Th. 2 (One class)</p> <p>DR A. F. BLACKWELL AND OTHERS
Group Project Syndicate Meetings (Part II (General) Students only). W. or Th. or F. 2 or 3 or 4 or 5 (Three fortnightly meetings of one hour, beginning 30 Jan. or 31 Jan. or 1 Feb.) <i>Meeting Room GW01 or Meeting Room FW01</i></p> <p>DR S. W. MOORE
How (not) to give a Presentation (Part II (General) Students only). Tu. 2 (One lecture, 5 Feb.)</p> <p>DR A. F. BLACKWELL AND OTHERS
Group Project Demonstrations (Part II (General) Students only). W. 2–4 (One session, 6 Mar.) <i>Intel Workstation Room</i></p> <p>DR A. F. BLACKWELL AND OTHERS
Group Project Presentations (Part II (General) Students only). W. 4.15 (One session, 6 Mar.)</p> | <p>DR G. M. BIERMAN
Databases. Tu. Th. S. 10</p> <p>DR N. A. DODGSON
Computer Graphics and Image Processing. Tu. Th. S. 11</p> <p>MR J. A. LANG
Business Studies. M. W. F. 11</p> <p>DR J. G. DAUGMAN
Computer Vision. Tu. Th. 12</p> <p>DR A. DAWAR
Complexity Theory. M. W. F. 12</p> |
|--|---|---|

continued >