Welcome to your Computer Science course

The Computer Laboratory
Faculty of Computer Science and Technology

Michaelmas 2011
CST Part I A, NST Part I A, PPST Part I

Registration – what to do and take away from here

Please make sure that you

- have added your name to the list at the front desk
- have picked up
  - Part IA Computer Science Tripos Syllabus & Booklist
    (a yellow booklet)
  - timetable, handout
    Also available at: http://www.cl.cam.ac.uk/teaching/
- come this afternoon at 14:00 to Lecture Theatre 1 of the Computer Laboratory for your first ML practical session
  - bring your University Card, UCAS Number, CRSid,
    Desktop Services (PWF) password, Raven password
- keep Thursday afternoons free of any supervisions, other practical classes, football, rowing, etc.

University Card

- Pick up from your college
- Opens various doors, including “Intel Lab” at the Computer Laboratory
- Register your University Card with the Computer Laboratory librarian, so you can borrow textbooks there (“book locker”).
- Discounted fare on Uni4 + Citi4 buses

http://www.admin.cam.ac.uk/offices/misd/univcard/
The many types of first-year Computer Science students

Computer Science Tripos Part IA
- Computer Science with Mathematics
  - Papers 1 + 2 for Part IA Computer Science Tripos
  - Papers 1 + 2 for Part IA Mathematical Tripos
    Note: this option does not lead to Part IB of the Mathematical Tripos
- Other CST students
  - Papers 1 + 2 for Part IA Computer Science Tripos
  - Mathematics for Part IA Natural Sciences Tripos
  - One of
    - Physics for Part IA Natural Sciences Tripos
    - Chemistry
    - Evolution and Behaviour
    - Earth Sciences
    - Physiology of Organisms
    - Paper 3 for Part I Politics, Psychology and Sociology

Natural Sciences Tripos Part IA (Computer Science option)
- Paper 1 for Part IA Computer Science Tripos

Politics, Psychology and Sociology Part I (Introduction to CS)
- Paper 1 for Part IA Computer Science Tripos

Weekly lecture schedule

<table>
<thead>
<tr>
<th>Mo</th>
<th>Tu</th>
<th>We</th>
<th>Th</th>
<th>Fr</th>
<th>Sa</th>
</tr>
</thead>
<tbody>
<tr>
<td>9</td>
<td>Ph</td>
<td>Ma</td>
<td>Ph</td>
<td>Ma</td>
<td>Ph</td>
</tr>
<tr>
<td>10</td>
<td>C1</td>
<td>Ch</td>
<td>C1</td>
<td>Ch</td>
<td>C1</td>
</tr>
<tr>
<td>11</td>
<td>ES</td>
<td>EB</td>
<td>ES</td>
<td>EB</td>
<td>EB</td>
</tr>
<tr>
<td>12</td>
<td>C2</td>
<td>Po</td>
<td>C2</td>
<td>Po</td>
<td>C2</td>
</tr>
</tbody>
</table>

C1  Computer Science Paper 1 – clashes with Biology of Cells
C2  Computer Science Paper 2 – clashes with Materials and Minerals Science
Ph  Physics
Ma  Mathematics for NST
EB  Evolution and Behaviour
Po  Physiology of Organisms
Ch  Chemistry / Mathematics
ES  Earth Sciences / Mathematics

Computer Science lectures in Michaelmas term

Paper 1: Arts School Room A, Mo/We/Fr 10:05-10:55
- Computer Fundamentals (4 lectures) – Dr Robert Harle
- Foundations of Computer Science (15 lectures) – Prof Larry Paulson
- Discrete Mathematics I (9 lectures, cont. in Lent) – Dr Sam Staton

Paper 2: Hopkinson lecture theatre, Mo/We/Fr 12:05-12:55
- Digital Electronics (11 lectures) – Dr Ian Wassell
- Operating Systems (13 lectures) – Prof Ian Leslie

Assessed practical work

The Paper 1 lectures Foundations of Computer Science (ML) and next term also Programming in Java, and the Paper 2 lecture Digital Electronics (hardware) have associated assessed exercises (“ticks”). You will have to discuss each solution with a local expert (“ticker”), who will approve your submitted work. Your ticks are taken into account in the first-year examinations. You need 10 ticks per paper.

- Computer Science Paper 1 and 2:
  - ML under Windows (5 ticks) – Dr Frank King
  - Java under Unix (5 ticks in Lent) – Dr Alastair Beresford, Dr Andrew Rice
- Computer Science Paper 2 only:
  - Hardware (7 ticks) – Dr Ian Wassell, Mr Nick Batterham
  - ML under Windows (1 more tick)
  - Java under Unix (2 more ticks)

http://www.cl.cam.ac.uk/teaching/exams/headofdeptnotices.pdf
Practical sessions take place Thursdays in the William Gates Building.

**Keep Thursday afternoons free!**

Thursdays are very busy, often until after 18:00:
- talks leading up to practical work (Lecture Theatre 1)
- practical work and assessment (Intel Lab)
- occasional related concluding lectures (Lecture Theatre 1)

The first session is this afternoon in Lecture Theatre 1, where Dr Frank King will explain detailed arrangements and scheduling.

You should take home your first ML tick there today.

Hardware practicals (for Paper 2) start on the 3rd or 4th Thursday (20/27 Oct 2011) at either 10:30 or 13:30, depending on which group we assign you to, and last 2.5 hours.

http://www.cl.cam.ac.uk/teaching/current/MLuWindows/
http://www.cl.cam.ac.uk/teaching/current/Hardware/