Year Two Induction Lecture

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Faraday Tower
Room 306

Head of Year

28 September 2007
In the second year you learn . . .

. . . the nuts and bolts of computer science
...team based software engineering: group project
...about real world applications and research

⇒ final year project
Courses

Diagram showing the progression of courses for the second year study.
Programming

- More on imperative and object-oriented programming
- Functional programming
- Networking, Operating systems, Databases
Computer Graphics

- Image processing
- Image synthesis
- Animation techniques
Logic and Computation

- Theory of computability and programming languages
- Algorithms and their computational complexity
- Formal methods for the description and verification of software, hardware and processes
Further research done at our department (but not taught in year two)

- Future Interaction Technology
- Scientific Computation
Lectures
Lecturers - courses in semester one

Chris Whyley
CS-211 (POTS)

John Tucker
CS-213 (TOPL)

Mark Jones
CS-219 (Databases)

Ulrich Berger
CS-221 (FP I)

Oliver Kullmann
CS-232 (Alg & Compl)
Lecturers - courses semester two

Monika Seisenberger  
CS-213 (System Spec.)

Chris Whyley  
CS-218 (Compilers)

Mark Jones  
CS-219 (Graphics I)

Anton Setzer  
CS-226 (Comput. Thy)

Benjamin Mora  
CS-228 (Oper. Sys.)

Andy Gimblett  
CS-238 (CCN)
Lecturers - course in both semesters

Roger Stein  
Andy Gimblett  
Sitsofe Wheeler

CS-244 (Software laboratory, group project)
Lecture attendance

...is crucial to survive year two and will be monitored
Tutorials

- Compulsory
- Fortnightly, both semesters
- Supports group project
- Help with courses, coursework, ...
- Discuss, discuss, discuss!

- Details will be announced shortly
Workload
Balance and reduce your workload

Be attentive in lectures
Balance and reduce your workload

Read your course material
Balance and reduce your workload

Ask lecturers for help with coursework and understanding of courses

▶ in groups
▶ with questions prepared
▶ not one day before the coursework deadline or exam
Balance and reduce your workload

Use your tutorials
Coursework and lab classes . . .

... are as important as in the first year

We will try to avoid the accumulation of coursework deadlines. Let me know if there are problems!
Please elect your student representatives!
Course note fee

Please pay 10 pounds to Mrs Julie Pellard (office, room 206) on Tuesday, 2nd of October, between 10 am and noon.
Looking back
Computer science, single honours, years one and two, 2006/7

<table>
<thead>
<tr>
<th>Result</th>
<th>No. of Students</th>
<th>Average Attendance</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Year one</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pass ≥ 60%</td>
<td>37%</td>
<td>78%</td>
</tr>
<tr>
<td>Pass &lt; 60%</td>
<td>15%</td>
<td>66%</td>
</tr>
<tr>
<td>Fail</td>
<td>48%</td>
<td>57%</td>
</tr>
<tr>
<td><strong>Year two</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pass ≥ 60%</td>
<td>39%</td>
<td>77%</td>
</tr>
<tr>
<td>Pass &lt; 60%</td>
<td>41%</td>
<td>71%</td>
</tr>
<tr>
<td>Fail</td>
<td>20%</td>
<td>63%</td>
</tr>
</tbody>
</table>
Looking forward
Progression rules

- minimum 80 credits (out of 120)
- no marks less than 30%

Contributions to final degree

\[(1/3) \text{ year two} + (2/3) \text{ year three}\]

For a complete set of rules, see the

**2007/2008 Course Handbook**
Research career?

To continue with postgraduate studies like MRes or PhD, usually an Upper Second Class Honours degree ($\geq 60\%$) is a minimal requirement.
Aim high!