Year One Induction Lecture

Department of Computer Science

School of Physical Sciences

University of Wales Swansea

25 September 2006
Head of Year One

Ulrich Berger
Room 306 (Faraday Tower)
Phone +44 1792 513380
Email u.berger@swansea.ac.uk
Homepage http://www-compsci.swan.ac.uk/~csulrich/
Welcome!

Reasons and Aims

People at Computer Science

Studying Computer Science

Services

Dos and Don’ts

What to do next?
Learning at Swansea
"Looking back on university I’m very glad I did it. At the time I thought management skills, software engineering, databases and even bits of maths like proof by induction were completely irrelevant. I’ve used all of them in my Linux work."

From an interview of Alan Cox with KernalTrap (http://kerneltrap.org/)
Educational Aims

- knowledge of the subject of Computer Science
  
  1. practical experience and theoretical understanding of design methods for the specification, programming and analysis of a wide range of computing systems;
  2. a fundamental understanding of the scope and limits of Computer Science and Artificial Intelligence, and of their applications;
  3. knowledge of the history and present state of Computer Science, and an insight into future technologies and their role in applications and society;
Educational Aims

- related knowledge and experience

4. the ability to plan and accomplish a substantial project;
5. relevant mathematical knowledge and experience in its applications;
6. experience in co-operative working through team projects, with their demands on the management of partners and time;
Educational Aims

- personal competence
  
  7. skills in written and oral communication;
  8. skills in locating information, and the ability to read critically, to precis and to judge information;
  9. the ability and confidence to learn, unaided, complex new subjects.

(see Course Handbook p.2)
Team Managers

John Tucker (Professor)  
Head of Department

Phil Grant (Senior lecturer)  
Deputy Head of School
Mathematical Methods for the Design and Verification of Software and Hardware

Professor John Tucker

Professor Peter Mosses

Professor Faron Moller

CS-116 Modelling Computing Systems
Mathematical Methods (ctd.)

Dr Markus Roggenbach
CS-132 Algorithms and Computation

Dr Arnold Beckmann
CS-125 Logic Programming

Dr Roger Stein

Dr Anton Setzer
## Mathematical Methods (ctd.)

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<thead>
<tr>
<th>Dr Monika Seisenberger</th>
<th>Dr Oliver Kullmann</th>
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<td><img src="image1.jpg" alt="Dr Monika Seisenberger" /></td>
<td><img src="image2.jpg" alt="Dr Oliver Kullmann" /></td>
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<th>Dr Neal Harman</th>
<th>Andy Gimblett</th>
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**CS-113 From Languages to Hardware**
Computer Graphics

Professor Min Chen

Dr Phil Grant

Dr Mark Jones
Computer Graphics (ctd.)

Dr Bob Laramee

Dr Benjamin Mora

Chris Whiley

CS-141 Principles and Practice of Programming
Scientific Computing and Computational Physics

Professor Mike Webster

Dr John Sharp
CS-121 Data Structures

Dr Phil Grant
Human-Computer Interaction

Professor Harold Thimbleby

Dr Matt Jones
CS-134 Professional Issues & Software Engineering

Dr George Buchanan
Mathematics Courses

Dr Tomasz Brzezinski (Math Department)

MAM111 Logic and Foundation of Mathematics
MAM113 Mathematics for Computation
## Support Staff

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<thead>
<tr>
<th>Name</th>
<th>Position</th>
<th>Phone Number</th>
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<tbody>
<tr>
<td>Jill Edwards and Sara Fenn</td>
<td>Secretaries (313 and 206)</td>
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<tr>
<td>Sue Phillips</td>
<td>Clerical Asst (Finance) (313)</td>
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<td>Julie Pellard</td>
<td>Technician (id cards etc) (206)</td>
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<tr>
<td>Paul Roberts-Davies</td>
<td>Technicians (PC problems etc) (508)</td>
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<td>Damian Theobald</td>
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<td>Sitsofe Wheeler</td>
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Room 206
Coursework submission box
Coursework submission box and notice board
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<thead>
<tr>
<th>People at Computer Science</th>
<th>Team Managers</th>
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<tr>
<td>Studying Computer Science</td>
<td>Theory Group</td>
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<td>Services</td>
<td>Graphics Group</td>
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<td>Dos and Don'ts</td>
<td>Scientific Computing Group</td>
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<td>What to do next?</td>
<td>Human-Computer Interaction Group</td>
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<th>Beti Williams</th>
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<td>Talbot Building</td>
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<th>Christine Williams</th>
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<th>Andrew Richards</th>
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<th>Liz Gougoulis</th>
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Postgraduates and Research Assistants

Too many to show (around 40)
Year One

- 7 computer science modules (80 credits)
- 2 mathematics modules (20 credits)
- Elective module(s) (20 credits, advice given after this lecture)
- Lab classes, weekly tutorials
- Exams at the end of each teaching block (January, May/June)

All compulsory!

- Marks do not count towards the final degree
Progression rules for Year One

- All core modules passed ($\geq 40\%$). Core modules are:
  - CS-116 Modelling Computing Systems
  - CS-121 Data Structures
  - CS-141 Principles and Practice of Programming
- All modules $\geq 30\%$.
- At least 80 credits (120 possible).

(see Course Handbook 168 pp.)
Year Two and Final Year

Year Two

All 12 courses compulsory. Tutorials, group project, coursework, all compulsory. Exams.
At the end of Year Two choose your Final Year Project.
Industrial Placements.

Final Year

Project compulsory (30 credits). Choose 9 courses (10 credits each) from given list. Exams.

Gregynog
"A bit like Hogwarts though, disappointingly, the stairs don’t move”
-A Third Year Student

You will present your Final Year Project at Gregynog in Mid-Wales in November 2008.
Tutorials

- Personal Tutor
- Academic Tutor
- Year 1: Academic Tutor = Personal Tutor
- Tutorials support CS-134 Professional Issues & Software Engineering
- Tutorial allocation will take place next week

(see Course Handbook, p. 166)
Attendance

- Tutorials are compulsory – registers taken
- Lecture attendance is compulsory – registers taken
- Absence:
  - 3 or more consecutive days – absence form
  - 7 or more consecutive days – medical certificate
- Examinations: Attendance compulsory – medical certificate
- Coursework deadlines: late submission penalised

(see Course Handbook, p. 168)
English Language Classes

Provided by English Language Training Services (ELTS)

Free for full-time students

2nd of October - 8th of December

Lunchtime Classes
Monday - Friday, 1-2pm, Faraday H, B

Afternoon Workshops
Tuesday, Wednesday, Thursday, Keir Hardie 313

Contact
Irene Turner, Keir Hardie 012, i.p.turner@swansea.ac.uk
Other Student Services

Campus Tours  This week, 9am - 4pm (20 minutes, ask at information desk, Fulton House)

Library and Information Services (LIS)
http://www.swan.ac.uk/lis/
Induction lectures, PC room 2, today: A-L 2-3, M-Z 3-4

Counselling Service  Tel: 295592
http://www.swan.ac.uk/counselling

Other services
See the University web pages
Do ‘catch the Surf’!

Department of Computer Science | Year One Induction Lecture
Dos

▶ be curious
▶ be ahead (not behind)
▶ meet deadlines (coursework, reports)
▶ attend lectures, practicals and tutorials
▶ ask
  ▶ in or after the lecture
  ▶ in the tutorials
  ▶ in (joint) appointments
  ▶ fellow students
▶ communicate
  ▶ with your fellow students, lecturers, tutors, student representative, head of year
  ▶ via your student email
Don’ts

▷ Don’t be complacent
▷ don’t plagiarise
▷ don’t panic
▷ don’t wait

▷ don’t use your private email to communicate with us
Don’t fall behind!
What to do next?

**Today**

11-12am  Advice on elective modules, Robert Recorde Room (RR)

2-3pm  Students A-L: LIS induction, LIS, PC Room 2
Students M-Z: Departmental enrolment/advice, RR

3-4pm  Students M-Z: LIS induction, LIS, PC Room 2
Students A-L: Departmental enrolment/advice, RR

4pm  Welcome reception, RR

**Tomorrow**

10am-1pm  Module fair, more advice, Fulton House A-C

1-4pm  Departmental enrolment (elective modules), RR

10am-4pm  University enrolment (after completing mod. sel.), Taliesin Annexe

**Next Monday (2nd of October)**

10am  First lecture CS-141, Faraday M