

CS&SE Advanced Coursework Programmes 2009

4th year co-ordinator

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This talk will provide details for 2009 on:

- BCompSc/BCM/BSc end-on Honours
- BE(SE) 4th year
- Masters by coursework
- Graduate Diploma courses

Overview

The plan for today:

- Enrolments
- Units
- Research projects
- Assessment and penalties
- Timetable
- Administrative arrangements
- Prizes
- Getting the most out of your course

Enrolments for end-on Honours

- Students must complete a research project and four honours-level units
- The research project is worth 24 course credit points
- Units are worth 6 course credit points each
- Aim to do one or two units in Semester 2
- **All students must see the 4th year co-ordinator by Thursday, 26 February to confirm their enrolment**
- Discuss enrolment changes with the 4th year co-ordinator first

Enrolments for end-on Honours

- Full-time students starting in 2009 should be enrolled in:
 - CITS7201 CS&SE Research Project Part 1
 - CITS7202 CS&SE Research Project Part 2
 - CITS7200 Scientific Communication
 - exactly **three** “research-group” units chosen from:
 - * CITS4222 Software Engineering Industry Project Leadership
 - * CITS4240 Computer Vision
 - * CITS7212 Computational Intelligence
 - * CITS7211 Modelling Complex Systems
 - * CITS7219 Mobile and Wireless Computing

Enrolments for 4th year BE(SE)

- Enrolments for the BE(SE) should be straightforward(?!)
 - see the web for details:
<http://handbooks.uwa.edu.au/rules/ecm/Part2/Division2M>
 - but individuals will obviously vary to some extent, e.g. depending on past failures, chosen options, etc.
- The research project is worth 12 course credit points
- Units are worth 6 course credit points each
- **All students must see the 4th year co-ordinator by Thursday, 26 February to confirm their enrolment**
- Discuss enrolment changes with the 4th year co-ordinator first

Enrolments for 4th year BE(SE)

- The (study guide) “standard” 4th year:
 - CITS4201 Software Engineering Project Part 1
 - CITS4202 Software Engineering Project Part 2
 - CITS4220 Software Quality & Measurement
 - CITS4222 Software Engineering Industry Project Leadership
 - one of:
 - * HIST4414 Science Technology & Environment in Society
 - * ENDP4302 Project Engineering Practice
 - **three** 6-point (constrained) options
- Consider CITS7200 Scientific Communication as an option

Enrolments for Masters by Coursework

- Enrolments for the Masters by Coursework vary a lot and will be dealt on a case-by-case basis
- MCompSc students should complete over 2 years:
 - CITS8201 CS&SE Dissertation A Part 1
 - CITS8202 CS&SE Dissertation A Part 2
 - CITS7200 Scientific Communication
 - eleven level 3, level 4, level 7, or level 8 units, provided that no more than four units are level 3 units
- Aim to do the research project in your second year
- **Each student will need to see the Masters co-ordinator to arrange an appropriate study plan**
- Discuss enrolment changes with the Masters co-ordinator first

Enrolments for Graduate Diploma

- Enrolments for the Graduate Diploma courses vary a lot and will be dealt on a case-by-case basis
- Graduate Diploma students may optionally complete a two semester 12 point research project
- **Each student will need to see the Masters co-ordinator to arrange an appropriate study plan**
- Discuss enrolment changes with the Masters co-ordinator first

4th year units

- Many 4th year units are run more “informally” than earlier undergraduate units
 - e.g. you may be expected to find more information for yourself or to organise yourselves to a greater extent
 - less forms of structured assessment, e.g. more open-ended problems
 - bring up problems **when they arise**, either with the unit co-ordinator or with the 4th year co-ordinator

4th year units available in 2009

- Semester 1:
 - CITS4211 Artificial Intelligence
 - CITS4220 Software Quality & Measurement
 - CITS4240 Computer Vision
 - CITS7200 Scientific Communication
 - CITS7211 Modelling Complex Systems
- Semester 2:
 - CITS4222 Software Engineering Industry Project Leadership
 - CITS4230 Internet Technologies
 - CITS4242 Game Design and Multimedia
 - CITS7212 Computational Intelligence
 - CITS7219 Mobile and Wireless Computing

Academic Conduct Essentials (ACE)

- ACE is a zero-load unit that covers a number of important aspects of ethical scholarship that the University considers essential for all students to understand.
- All newly enrolled students must complete the unit.
- For more information, see:
<http://www.ace.uwa.edu.au/>

Research projects

- An introduction to independent study and research
- The project is done individually
 - different students do different projects
- The project is supervised by an academic from CS&SE
 - sometimes jointly
 - sometimes jointly with people from outside from the School
- Projects are proposed by members of the School
 - proposals are available on the 4th year web-site
 - or propose your own project!
- CEED projects are linked to industry and involve a summer placement

Research projects

- The project is assessed principally by a dissertation, seminar, and poster
- You are expected to meet with your supervisor(s) regularly
 - at least once a fortnight is typical
 - the length of these meetings will vary according to your needs
 - meet with your supervisor(s) even if you have no current problems

Research projects – Semester 1

1. Choose a project
 - check out the lists on the web or propose your own project
 - talk to potential supervisors
2. Submit a proposal
 - by Thursday of Week 3
3. “Defend” your proposal to your research group
 - in Week 5
4. Do some work
5. Submit a revised proposal
 - by Thursday of Week 12
 - Project activity is (strongly) tied to CITS7200 Scientific Communication

Research projects – Semester 2

1. Do some work
 2. Submit a draft dissertation to your supervisor(s)
 - by Thursday of the mid-semester break
 3. Get some feedback – and listen to it!
 4. Submit your final dissertation
 - by Thursday of Week 12
 5. Produce a poster
 - by Thursday of Week 13
 6. Give a seminar
 - in Week 13
- **Firm dates for deadlines are available on the 4th year web-site**

Assessment and penalties

- Your final mark for the research project unit is comprised of:
 - 85% dissertation
 - 10% seminar
 - 5% poster
- Penalties apply for late or incomplete components:
 - late proposal: withdrawn from 4th project unit
 - late revised proposal: withdrawn from 4th project unit
 - late dissertation: -10% per day (or part thereof) late
 - dissertation over length: -10/85
 - late/incomplete seminar: 0/10
 - late/incomplete poster: 0/5
 - late corrected dissertation: marks withheld

Important dates

- Important dates for 2009:

Semester 1	
Thu, Week 1	Last enrolment confirmation date
Thu, Week 3	Project proposal due
Week 5	Proposal talk presented to research group
Thu, Week 12	Revised project proposal due
Semester 2	
Thu, MSB	Draft dissertation due
Thu, Week 10	Seminar title and abstract due
Thu, Week 12	Final dissertation due
Thu, Week 13	Poster due
Week 13	Seminar
Exams	Marked dissertation available for collection
After exams	Corrected dissertation due

Getting involved in research in the School

- Research into the School is devolved into a number of different research groups consisting of people with similar interests
 - research groups provide valuable knowledge and interaction
 - each student is expected to join a research group
 - **you are expected to attend and contribute to all research group meetings**
 - speak to your supervisor for more details
- The School runs a series of research seminars throughout the year by our staff, students, and visitors
 - **you are expected to attend all seminars**
 - the timetable is available on the web:
<http://web.csse.uwa.edu.au/research/seminars/>
 - watching seminars is a good way to learn how to give them

Administrative arrangements

- You will be housed in the Honours/Masters lab:
 - this is **Lab 2.07**
 - you have exclusive access to this lab
 - the lab contains a number of computers, a printer, and a small photocopier
 - you need to share the room with all advanced coursework students
 - i.e., you will not have your own personal position/computer
 - the lab is offered on a trial basis
 - so, make use of the room!
 - we will attempt to support all reasonable requests for quickly reversible changes to the lab
 - you will also have access to your research group lab

Administrative arrangements

- Obtain your computer account name and password via the web:
<https://secure.csse.uwa.edu.au/run/csentry/>
- You will have access to the School library in Room 1.27
 - make sure to complete the log book when you borrow a book
- You will have the use of the kitchen, fridge, and showers on the ground floor of the CS&SE building
 - **do not** get caught with food in the labs
- 4th year students share a common mailbox, located just outside the Staff Room on the first floor
 - check it regularly

Library training session

- A one hour library workshop on the use of the University libraries has been organised for you
- The session will explain how to search the library databases to find information (and research papers) relevant to your project
- Details:
 - **12noon, Friday 27 February 2009**
 - Reid Training Room, Reid Library
 - run by Ray White
- Attendance is not compulsory, but highly recommended

Show me the money!

- Faculty prize awarded to the best honours student in CS
- School prize awarded to the best poster
- Publications grant scheme
 - supervisors may offer travel support to 4th year students who have a paper accepted at a recognised conference
- WAITTA
 - awards a prize to the best student project in IT&T in WA
 - CS&SE 4th year students have traditionally done very well
- Postgraduate scholarships
 - postgraduate scholarships are worth about \$25,000 per year **tax free**

Getting the most out of 4th year

- It can be an extremely tough year
 - work consistently throughout the year, i.e. don't leave everything to the last minute
 - be organised!
- It can be an extremely rewarding year
- It can be an extremely fun year!
- Get a true sense of community
- Gives you an introduction to research
- You get out of it what you put into it
- And, you finally get to play for the winning soccer team!

Questions?

- 4th year home-page:

`http://undergraduate.csse.uwa.edu.au/year4/`