

CS&SE Advanced Coursework Programmes 2011

4th year co-ordinator

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This talk will provide details for 2011 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 Friday, 5 August (by 2:00pm) to confirm their enrolment**
- Discuss enrolment changes with the 4th year co-ordinator first

Enrolments for end-on Honours

- Full-time students starting in Sem 2, 2011 should be enrolled in:
 - CITS7201 CS&SE Research Project Part 1
 - CITS7202 CS&SE Research Project Part 2
 - CITS7200 Scientific Communication (2012)
 - exactly **three** “research-group” units chosen from:
 - * CITS4222 Software Engineering Industry Project Leadership (2011)
 - * CITS4240 Computer Vision (2012)
 - * CITS7212 Computational Intelligence (2011)
 - * CITS7211 Modelling Complex Systems (2012)
 - * CITS7219 Mobile and Wireless Computing (2011)

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 Friday, 5 August (by 2pm) 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 (2012)
 - CITS4222 Software Engineering Industry Project Leadership (2011)
 - CITS4243 Advanced Databases (2012)
 - one of:
 - * ELEC4332 Project Engineering Practice (2011)
 - * MECH4400 Engineering for Sustainable Development (2012)
 - **two** 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 (2012)
 - 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

- Aim to do no more than two units in the last semester of the research project
- Some 4th year units run very differently to earlier units
 - more research oriented
 - you are expected to take more responsibility for your own learning
 - you may be expected to find more information for yourself or to organise yourselves to a greater extent
 - less structured forms of assessment, e.g. more open-ended problems

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 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 – First Semester

1. Choose a project
 - check out the list 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 and literature review
 - by Thursday of Week 12
 - Project activity is (strongly) tied to CITS7200 Scientific Communication

Research projects – Second Semester

1. Do some work
 2. Submit a draft dissertation to your supervisor(s)
 - by Thursday of Week 8
 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**

Important dates

- Important dates:

Semester 1	
Fri, Week 1	Last confirmation of enrolment date
Thu, Week 3	Project proposal due
Week 5	Proposal talk presented to research group
Thu, Week 12	Revised project proposal and literature review due
Semester 2	
Thu, Week 8	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
Post exams	Corrected dissertation due

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

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**
 - the lab contains a number of computers, a printer, and a small photocopier
 - you have exclusive access to this lab, but
 - 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 can also get access to your research group lab if needed

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:
 - **11am, Friday 5 August 2011**
 - Science Library Teaching Room 1, 2nd floor, Science Library
 - run by Katherine Mills
- 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
- Travel bursaries
 - some supervisors may provide travel bursaries to 4th year students who have a paper accepted at a recognised conference
- WAITTA
 - awards a prize to the best project in IT&T in the state
 - CS&SE 4th year students have traditionally done very well
- PhD Postgraduate scholarships
 - including top-up scholarships and casual teaching, PhD students can earn over \$30,000 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!
 - **this is NOT the time to balance full-time study and part-time employment**
- 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/>