

CS&SE Advanced Coursework Programmes 2010

4th year co-ordinator

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This talk will provide details for 2010 on:

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

What is Honours?

- An additional full year of study to:
 - increase the breadth of your knowledge in the discipline
 - increase the depth of your knowledge in the discipline
 - introduce you to independent study and research, as a gateway to postgraduate studies
- It is not another degree, it's an extension of your existing degree
- The Graduate Diploma and Masters courses serve a similar purpose:
 - an opportunity to increase your knowledge, depth- or breadth-wise
 - a gateway to postgraduate studies

What will you study?

- End-on Honours:
 - four units, each worth 12.5%, and
 - a 24-point research project, worth 50%
- BE(SE) 4th year:
 - enrolments for the BE(SE) should be straightforward(!?):
<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.
 - includes a 12-point research project

What will you study?

- Graduate Diploma:
 - eight units, each worth 12.5%
 - **this course will not qualify you for postgraduate research**
- Masters:
 - twelve level 3, level 4, or higher level units, of which, no more than four can be level 3 units, and
 - a 24-point research project

Level 4 and 7 units available in 2010

- 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*
- End-on honours students can only undertake italicised units

4th year units

- Aim to do no more than two units in the last semester of the research project
- Some 4th year units are run more “informally” than earlier undergraduate units
 - 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

What is the research project?

- 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
- CEED projects are linked to industry and involve a summer placement
- The project is assessed by a dissertation, seminar, and poster
 - the dissertation comprises a report about 50 pages in length

How do you choose a research project?

- Projects are proposed by members of the School
 - project proposals are available online
 - or propose your own!
- **You are not automatically assigned a project**
- Find a project during the first two weeks of semester
 - or over summer if you wish!
- Talk to a range of academic staff members
 - get a feel for the different areas of research being undertaken in the School
- **Choose a project that you will enjoy!**

Will you qualify?

- End-on Honours:
 - you must have a degree with at least one major offered by the School
 - you must have an average of 70% in any combination of four 3rd year units that constitutes a major
- Masters:
 - you must have a degree with at least one major offered by the School
 - you must have a WAM of 60%
 - can also articulate from the Graduate Diploma
- Graduate Diploma:
 - you must have a pass degree with at least one major offered by the School or equivalent as recognised by the Faculty

How do you apply?

- End-on Honours:
 - enrol online through studentConnect
 - applications open 16 November and close on **Wednesday, 13 January 2010**
- Graduate Diploma and Masters:
 - domestic students: get an application form from the Faculty
 - the deadline is four weeks before the start of semester
 - international students: apply through the International Centre
 - applications may take some time, so get in early
- Apply even if you are unsure
 - it's easier to back-out than to apply late

How do you enrol?

- Do not enrol until advised to do so by Student Administration
- Discuss your proposed enrolment with the relevant course coordinator prior to the start of semester:

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- Attend the induction and welcoming meeting before the start of first semester.

Can you defer?

- End-on Honours: yes
 - entry qualifications are valid for up to:
 - two years in FECM (BCM/BCompSci)
 - four years in FLAPS (BSc)
 - apply at the end of the semester before you wish to start
- BE(SE): yes
 - as with any other undergraduate degree
- Graduate Diploma and Masters: qualified yes
 - you have to apply for deferral or re-apply the following year (deferral is not automatic)
- In all cases, mid-year entry is possible

Can you do it part-time?

- End-on Honours: yes
 - you can take up to:
 - three years in FECM
 - two years in FLAPS
- BE(SE): yes
 - as with any other undergraduate degree
- Graduate Diploma and Masters:
 - domestic students: yes
 - international students: no
- In all cases, the research project must be completed in two consecutive semesters

What does it cost?

- End-on Honours and BE(SE):
 - usual undergraduate fees apply
- Graduate Diploma and Masters:
 - full-fee programme
 - details are available from the relevant Faculty and online

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
- Postgraduate scholarships
 - including top-up scholarships and casual teaching, PhD students can earn over \$30,000 per year *tax free*

Timetable

First Semester	
Before Week 1	Induction and welcoming meeting
Week 3	Project proposal due
Week 5	Proposal talk presented to research groups
Week 12	Revised project proposal due
Second Semester	
Week 9	Draft dissertation due
Week 10	Seminar title and abstract due
Week 12	Final dissertation due
Week 13	Poster due
Week 13	Seminar
Exams	Marked dissertation available for collection
After exams	Corrected dissertation due

Getting the most out of it

- It can be an extremely tough year
- 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!

Need more help?

- 4th year home-page:

<http://undergraduate.csse.uwa.edu.au/year4/>

- Queries and enrolments should be directed to:

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