

Advances in Information Sciences 2 7898

Unit Outline Semester 1 2009

Faculty of Information Sciences and Engineering

University of Canberra

*Australian Government Higher Education (CRICOS)
Registered Provider number: #00212K*

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This Unit Outline must be read in conjunction with:

- a) *Studying at the University of Canberra: A Guide to Policies and Procedures*, which sets out University-wide policies and procedures, including information on matters such as plagiarism, grade descriptors, moderation, feedback and deferred exams, and is available at <http://www.canberra.edu.au/student-services>
- b) *Guide to Student Services at the University of Canberra*, and is available at <http://www.canberra.edu.au/student-services>
- c) Any additional information specified in section 6f.

1: General Information

- 1a Advances in Information Sciences 2**
- 1b Unit number : 7898**
- 1c Semester and year offered: Semester 1 2009**
- 1d Credit point value 3**
- 1e Unit level: 3**
- 1f Name of Unit Convener and contact details**

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- 1g Administrative contact details**
Faculty of Information Sciences and Engineering
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2: Academic Content

2a Unit description and learning outcomes

This advanced undergraduate unit provides students with the opportunity to study advanced software engineering that results from new technology and techniques, emerging industry needs, or new research. The syllabus will vary from semester to semester and the unit may be taught as a class, team or individual level.

This unit is available to final-year BIT and BSE students. Before enrolling students are required to consult their course convener and get their admission approved by the unit convener.

Learning Outcomes

Outcomes from this unit include advanced knowledge in software engineering and acquisition of skill sets in areas not covered in other units.

2b Prerequisites and/or co-requisites

Software Technology 2.

NOTE: Ultimately its up to your supervisor to 'accept' you into this subject, if in doubt discuss it with them, the head of school will usually accept their recommendation/advice.

3: Delivery of Unit and Timetable

3a Delivery mode

The mode of delivery of this unit varies depending on the nature of the project and the proportion of prescribed coursework. It generally varies from as little as a fortnightly meeting with your supervisor to as much as a formal timetable of up to 6 hours lecture and/or tutorial contact per week.

3b Schedule of topics/lectures/tutorials/practicals/field classes by week

Students must consult their Supervisor for details of how progress is to be assessed, at a minimum students must spend 30 minutes with the unit convener in week 1 or their first week of enrolment and will usually need to do some kind of formal report, presentation, test or exam at the end of the semester. In most cases regular progress meeting will be required.

Week	Activity
1	Meet with supervisor and unit convener
2 - 14	Project work as agreed with supervisor.
15	Submit all final assessment items (note you will almost certainly need to make progressive submissions of assessment items as the semester progresses depending on your supervisor).

4: Unit Resources

4a Lists of required texts/readings

Students must consult their supervisor for details of required readings.

4b Materials and equipment

This will vary from project to project.

4c Unit website

The unit web site is maintained in the University's teaching area using Moodle.

<http://learnonline.canberra.edu.au/>

5: Assessment

5a Assessment overview

Each supervisor will have assessment criteria which will have been agreed by the student. These will vary from project to project.

Students must consult their supervisor for details of how they will be assessed.

Assessment Item (including exams held in the exam period)	Due Date of Assignments	Weighting (total to equal 100%)
Supervisors assessment (after moderation)		100%

5b Details of each assessment item

Students must consult their supervisor for details of how they will be assessed.

5c Special assessment requirements

Students must consult their supervisor for details of how they will be assessed.

5d Supplementary assessment

Except as required by university rules there is no supplementary assessment in this subject.

5e Text-matching software

Text matching software may be used by your supervisor on submitted items. Students must consult their supervisor for whether this will be used.

6: Student Responsibility

6a Workload

The amount of time you will need to spend on study in this Unit will depend on a number of factors including your prior knowledge, learning skill level and learning style. Nevertheless, in planning your time commitments you should note that for a 3cp Unit the total notional workload over the fifteen week semester is assumed to be 150 hours or an average of 10 hours per week. These hours include time spent in classes. The total workload for Units of different credit point value should vary proportionally.

For example, for a 6cp Unit the total notional workload over a fifteen week semester is assumed to be 300 hours or an average of 20 hours per week.

6b Special needs

Students who need assistance in undertaking the unit because of disability or other circumstances should inform their Unit Convener or the Disabilities Office as soon as possible so the necessary arrangements can be made.

6c Attendance requirements

Students must consult their supervisor for details of what attendance is required.

6d Required IT skills

Students must consult their supervisor for details of what skills are needed; it's the student's responsibility to make good any skill shortfall by learning new skills if necessary without specific instructions from the supervisor.

6e Costs

For most projects there are no additional costs. If in doubt consult your supervisor.

6f Additional information

For supervisors running this unit with a fixed syllabus it is normal for the supervisor to provide a document in week 1 that strongly resembles a unit outline. This document will usually set out the assessment criteria, attendance requirements and other things usually found in the unit outline.

The supervisors running this unit to a fixed syllabus in semester 1 2009 are:

- Dr Kim Le – Running projects on real time operating systems and embedded systems;
- Dr Xu Huang – Running projects on network security
- Mr Robert Cox – Running projects on virtual worlds

7: Student Feedback

All students enrolled in this Unit will have an opportunity to provide anonymous feedback on the Unit at the end of the Semester via the Unit Satisfaction Survey which will be presented to you on OSIS. Your lecturer or tutor may also invite you to provide more detailed feedback on their teaching through an anonymous in-class questionnaire administered through the University's Teaching and Learning Centre (TLC).

8: Authority of this Unit Outline
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Any change to the information contained in Section 2 (Academic content), Section 3 (Delivery of Unit and timetable) and Section 5 (Assessment) of this document, will only be made by the Unit Convener if the written agreement of staff and a majority of students has been obtained; and if written advice of the change is then forwarded to each student enrolled in the Unit at their registered term address. Any individual

student who believes him/herself to be disadvantaged by a change is encouraged to discuss the matter with the Unit Convener.