



Information Technology Project (7164)

Unit Outline – semester 2, 2009

Faculty of Information Sciences and Engineering
University of Canberra

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

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 Unit title: **Information Technology Project**

1b Unit number: **7164**

1c Semester and year offered: **2 - 2009**

1d Credit point value: **6**

1e Unit level: **3**

1f Unit Convenor: **Charles Pfohl**

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2: Academic Content

2a Unit description and learning outcomes

Syllabus

This unit brings to a conclusion a major systems development project. Students are expected to demonstrate a capacity to work in the computing field at a professional level. Students will study the social, legal and ethical environment of systems and their development.

Learning Outcomes

On successful completion of this unit students will be able to work in a team to analyse, design and implement a substantial practical project; and understand and be able to apply software engineering and software quality assurance principles in a professional, responsible manner.

2b Prerequisites and/or co-requisites

Prerequisites: All of the following direct prerequisites are required:

- 1) Software Engineering Practice OR Systems Project and Quality Management
- 2) Object Oriented Software Design
- 3) Web Design and Programming.

It is also recommended that you take this unit in your last semester before completing your course.

3: Delivery of Unit and Timetable

3a Delivery mode

This unit will be delivered in traditional mode, that is on campus in a standard semester. Each week there will be a Lecture of two hours and a Tutorial session of two hours.

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

The UC timetable shows Lecture and Tutorial times. The schedule of lecture topics will be published on the unit website, as the semester unfolds. As this is a project unit, the content and emphasis of the lecture material will be adjusted to match the progress of the projects. A number of guest lecturers - from industry, the public service and the UC - will be invited to address the class on a variety of interesting and relevant topics.

4: Unit Resources

4a Lists of required texts/readings

There is no set text for the unit. As this is a capstone unit in the course, all of the textbooks prescribed for preceding units will no doubt be useful.

4b Materials and equipment

No special requirements. Students may use the Faculty's computing laboratory resources.

4c Unit website

Various unit resources, such as lecture notes and weekly communications, will be accessible via 'LearnOnline' supported by the 'Moodle' software platform.

5: Assessment

5a Assessment overview

Assessment Item (including exams held in the exam period)	Due Date of Assignments	Weighting (total to equal 100%)
A) Continuous Assessment		70%
- Project	Friday Week 15	(45%)
- Debriefing Report	Friday Week 15	(10%)
- Project Contribution	Continuous	(15%)
B) Examination	UC published date	30%
TOTAL (A + B)		100%

NOTE: The project is to be undertaken in groups of **nominally 5 students**.

5b Details of each assessment item

-1) The Project

The project team's processes and deliverables will be assessed for evidence of a professional, managed approach to the development and deployment of an effective computer-based project. Other factors including project complexity and student creativity and acumen may be taken into account. Each group member will receive the same mark for the project. Your project will be presented on Monday week 16. Besides the *System and User Documentation*, your group must submit a *Project Report*, reflecting on your group work – what the group feels worked well, what could be improved. To support the development of this report you should keep a *group journal* and, write a review of each group meeting considering what worked well in that meeting and what did not go well and what the group could do to work better together and ensure that everyone contributes in an equitable manner.

2) The Debriefing Report

In this individual and confidential report you will reflect upon your group project and the contributions made by yourself and every other group member to the project's outcome. It provides evidence of you as an insightful IT practitioner.

3) Your Project Contribution

This is an assessment by your tutor of your performance throughout the semester. We recognise that the contribution to the project and to group processes varies between students, some contribute more than others, for various reasons. This individual mark reflects your contribution to group work during the semester, and will be based on:

- a report from your tutor,
- your team members' Debriefing Reports,
- your team's jointly submitted report on group processes, and
- your own Debriefing Report.

4) Examination

The 3 hour examination will be held in the exam period at the end of the semester. The examination is intended to explore your understanding of the key concepts covered so far and how you applied them in your project work. The examination will be closed book.

5c Special assessment requirements

1) To **Pass** the unit, students need to obtain a mark of **at least 50% in the Continuous Assessment AND at least 50% in the Examination**. Once you have met the conditions for a Pass, higher grades will be awarded on the basis of the highest category below, in which your **TOTAL** mark fits: Credit 65-74, Distinction 75-84, High Distinction 85-100.

After all assessment items have been marked and graded, moderation is conducted across all tutorial groups.

2) In all cases, grades in this unit will be awarded solely on the basis of academic merit. The normal exigencies of university life, such as administrative deficiencies or oversights, resource malfunctions or workloads in other units will not be a factor in the determination of grades in this unit.

3) The lecturer/tutor reserves the right to question students orally on any of their submitted work or assessment items.

4) Referencing requirements: All work quoted from other written sources should be appropriately referenced using the “author-date” (Harvard) style, which is described in detail (including electronic sources) in the Citation Guide available at:

http://www.canberra.edu.au/library/research-gateway/research_help/citation-guide

5) If there is any doubt with regard to the requirements of any assessment item, the onus lies with the student to obtain relevant information from the unit convenor. Tutors should be, however, the first point of contact in these matters.

6) Late penalties: Students will be expected to make arrangements with their tutor in advance of the due date for assignments if they expect to be submitting them late. Unless appropriate arrangements have been made, supported by an appropriate valid reason, late submissions will attract a penalty of 5% per day or 20% per week.

7) Submitted Material: Students are required to keep a copy of all submissions.

5d Supplementary assessment

See UC policy.

5e Text-matching software

Text-matching software from an external service (such as Turnitin) may be used to check for plagiarism.

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 6 credit point unit, the total notional workload over the fifteen-week semester is assumed to be 300 hours or an average of 20 hours per week. These hours include time spent in classes.

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

You are strongly advised to attend all lectures and fully participate in tutorials. Group meetings also require attendance and participation. Attendance at tutorials is required as these include formal presentations to your tutor of progress in your project.

Material covered in lectures and tutorials is examinable and it is the individual student's responsibility to ensure that they are sufficiently familiar with this material.

Attending classes is the best way to ensure this familiarity.

Some material will be available on the unit website; however, do not make the mistake of assuming that this can substitute for class attendance. The guest lecturers may or may not make notes available on the unit website and some of the lecture notes could be just broad outlines of the material covered.

6d Required IT skills

As this is the capstone unit in a computing degree, you are expected to be a competent computer user and know a lot about IT.

6e Costs

No additional costs will be incurred by students undertaking this unit apart from the normal costs of being a university student, such as books, web access, printing, and consumables.

6f Additional information

Announcements made at lectures or tutorials are deemed to be made to the whole group. Documents published on the unit website are also deemed to be announcements to the whole group, so check it regularly.

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

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.