Unit Outline 2012
Faculty of Information Sciences & Engineering

Advances in Information Sciences 1
7897
This Unit Outline must be read in conjunction with:

a) *UC Student Guide to Policies*, 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 (scroll to bottom of page)
http://www.canberra.edu.au/student-services

b) *UC Guide to Student Services*, and is available at (scroll to bottom of page)
http://www.canberra.edu.au/student-services

c) Any additional information specified in section 6h.

### 1: General Information

1a Unit title: Advances in Information Sciences I

1b Unit number: 7897

1c Teaching Period and year offered: Winter Term, 2012

1d Credit point value: 3 credit points

1e Unit level: 3

1f Names and contact details (including telephone and email)

*Unit Convener:* Richard Lucas, room 11C24, ph 6201 5143 Richard.Lucas@canberra.edu.au

*Unit Moderator:* Lubna Alam, room 11C21, ph 6201 2427 Lubna.Alam@canberra.edu.au

1g Administrative contact details (including name, location, telephone and email)
ISE Faculty Office, 11B14, ph 6201 2417, ise@canberra.edu.au

### 2: Academic Content

2a Unit description and learning outcomes

This advanced undergraduate unit provides students with the opportunity to study advanced information systems 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 student are required to consult their course convener and get the admission approved by the unit convener.

*Learning Outcomes*

1. Outcomes from this unit include advanced knowledge in information systems and acquisition of skill sets in areas not covered in other units.

2b Generic skills

Since this is a research based unit, by the completion of this unit, students will have developed skills and attributes in:

1 Communication
2 Analysis and enquiry
3 Problem solving
4 Working independently and with others.

2c Prerequisites and/or co-requisites
Systems Project and Quality Management and Permission required.

3: Delivery of Unit and Timetable

3a Delivery mode
AIS1 is a supervised project-based unit. Projects are undertaken individually and are selected by students in consultation with their supervisors, and approved by the Lecturer-in-Charge. There are no formal lectures but students are required to regularly meet with their supervisors to discuss their progress from the start of the project until the final project reports are submitted. These times for regular meetings are arranged by students with their supervisors, but these meetings are expected to be held weekly.

3b Timetable of activities, such as lectures/ tutorials/ practicals/ field classes, showing key dates and topics

<table>
<thead>
<tr>
<th>Date</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>Week 1</td>
<td>Project and supervisor registration</td>
</tr>
<tr>
<td>Week 2</td>
<td>Proposal submission</td>
</tr>
<tr>
<td>Week 5</td>
<td>Mid-semester progress update</td>
</tr>
<tr>
<td>Week 7</td>
<td>Final seminar</td>
</tr>
<tr>
<td>Week 7</td>
<td>Final project report</td>
</tr>
</tbody>
</table>

Alternative schedules are available to meet different circumstances

4: Unit Resources

4a Lists of required texts/readings

No particular text is set for this unit.

4b Materials and equipment

Nil.

4c Unit website

http://learnonline.canberra.edu.au/
5: Assessment

5a Assessment overview

<table>
<thead>
<tr>
<th>Assessment item (including exams held in the exam period)</th>
<th>Due date of assignments</th>
<th>Weighting (total to equal 100%)</th>
<th>Addresses learning outcome(s)</th>
<th>Related generic skill(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Initial proposal</td>
<td>Week 2</td>
<td>10%</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>Mid-semester progress update</td>
<td>Week 5</td>
<td>15%</td>
<td></td>
<td>1-4</td>
</tr>
<tr>
<td>Final seminar</td>
<td>Week 7</td>
<td>25%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Final report</td>
<td>Week 7</td>
<td>50%</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

5b Details of each assessment item

AIS1 is a supervised project-based unit and the assessment items reflect a logical progression commencing with the initial project proposal, a work in progress update, through to the completion of the final seminar and written report.

This unit is a final year unit that uses knowledge students have developed in earlier units. Assessment criteria for each type of assessment item are those used in those previous units.

There is no final examination in this unit.

Referencing requirements:
All work quoted from any source should be appropriately referenced using the “Harvard author-date” referencing style. This style is described in detail (including electronic sources) in the relevant Reference Guide available at: http://www.canberra.edu.au/library/research-gateway/research_help/referencing-guides

5c Special assessment requirements

In order to pass this unit, students must complete every assessment item, and achieve a mark higher than 50% in each item, and satisfy requirements for weekly reporting showing steady progress. The Lecturer-in-Charge and/or supervisors reserve the right to question students orally on any of their assessment submissions.

If you meet the conditions for a pass, your grade will be awarded on the basis of the “unit mark” calculated using weightings shown above in the assessment overview. Higher grades will be awarded on the basis of the total mark being ≥ 65 for a credit, ≥ 75 for a distinction and ≥ 85 for a high distinction.

All assessment items are to be completed by the dates specified, in order to get timely feedback from your Lecturer-in-Charge / supervisor. Students may be required to submit text based assignments electronically.

Students should keep a copy of all assessment items that are submitted.

If there is any doubt with regard to the requirements of any particular assignments of assessment procedure, the onus for clarifying the issue rests with the student who should contact the Lecturer about the matter.

Late penalties:
Students will be expected to make arrangements with the lecturer in advance of the due date for assignments if they expect to be submitting them late. Unless appropriate arrangements have been made, supported by a sensible valid reason, late submissions will attract a penalty of 5% per day or 20% per week.
If you need to use a medical certificate to justify the late submission of an assignment, it must clearly state:

- that you were unfit to complete the assignment;
- the date of the medical or counselling consultation; and
- the period for which you were/are will be unfit to complete the assignment.

If a medical certificate does not provide all of these details, the normal late penalties noted above, will apply.

5d Supplementary assessment

5e Academic Integrity
Students have a responsibility to uphold University standards on ethical scholarship. Good scholarship involves building on the work of others and use of others work must be acknowledged with proper attribution made. Cheating, plagiarism, and falsification of data are dishonest practices which contravene academic values. See policy at https://guard.canberra.edu.au/policy/policy.php?pol_id=3175

5f Text-matching software
Students may be required to submit text-based assignments electronically to be checked for matching text. If so, instructions on how to do this and information about the process will be made available in conjunction with the first of any such assessment items.

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 semester or term is assumed to be 150 hours. 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 semester or term is assumed to be 300 hours.

6b Special needs
Students who need assistance in undertaking the unit because of disability or other circumstances should inform their Lecturer-in-Charge or UC AccessAbility (formerly the Disabilities Office) as soon as possible so the necessary arrangements can be made.

6c Attendance requirements

While there are only two formal class times scheduled for this unit, students are required to regularly meet with their supervisors to discuss their progress from the start of the project until the final project reports are submitted. The times for regular meetings are arranged by students with their supervisors, but these meetings are expected to be held weekly.

Failure to attend the organised unit sessions (e.g. seminars). If students do not attend organised sessions where they are required to present or otherwise contribute to assessable work, then marks will be deducted.
6d Withdrawal
If you are planning to withdraw please discuss with your Lecturer-in-Charge. Please see this link for further information on deadlines. (http://www.canberra.edu.au/student-services/re-enrolment/determine_your_study_program_and_register_on_asis/withdrawal_of_units)

6e Required IT skills
This is to be negotiated between the supervisors, students and the Lecturer-in-Charge on a case-by-case basis.

6f Costs
No additional costs will be incurred by students undertaking this unit apart from the normal costs of being a university student.

6g Work placements, internship or practicum
Not applicable.

6h Additional information
Sources of other information will be provided by supervisors.

Emails sent to the Lecturer-in-Charge or project supervisor do not have the effect of transferring responsibility for further action from the student.

Announcements are made throughout the unit, typically to clarify requirements for assignments. Any such announcements will be made using your student email account and placed on the unit web site. Such announcements are deemed, within two working days, to be made to the whole group. Announcements made at an organised session are deemed to be made to the whole group.

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 (USS) which you can access by logging into MyUC via the UC homepage: http://www.canberra.edu.au/home/. Your lecturer or tutor may also invite you to provide more detailed feedback on their teaching through an anonymous questionnaire.

8: Authority of this Unit Outline

Any change to the information contained in Section 2 (Academic content), and Section 5 (Assessment) of this document, will only be made by the Lecturer-in-Charge if the written agreement of Head of Discipline and a majority of students has been obtained; and if written advice of the change is then provided on the unit site in the learning management system. If this is not possible, written advice of the change must be 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.