FIT3015 Industrial experience project - Semester 2, 2012

In their final year of study, students are given the opportunity to apply the knowledge and skills they have gained, in the development of an information system for a real world client. Students work in groups and will: design, develop and deliver an information system for a client, manage the project through all its development stages, communicate effectively with all project stakeholders, develop project documentation to a professional standard, present their project work to academics and other groups, attend unit seminars, and contribute in a professional and committed manner to the work of the group.

Mode of Delivery

- Caulfield (Day)
- Sunway (Day)

Contact Hours

1 hr seminar/wk, 2 x 3 hrs laboratories/wk as determined by supervisor

Workload

Students will be expected to spend a total of 24 hours per week during the semester on this unit as follows:

- 1 hour meeting with your supervisor.
- At least 6 hours of meetings and discussion with your group.
- 1 hour seminar.
- 1 hour personal reflection which include: writing a blog about the weeks activities, keeping records of time spent on this unit and generally reflecting on what you have learned.
- Approximately 15 hours of additional work.

Unit Relationships

Prohibitions

CSE3301, GCO3819, GCO3700, GCO3800, GCO3900, GCO3800A, CPE3200, CPE3300, CSE3200, FIT2032, FIT3016, FIT3017, FIT3025, FIT3026, FIT3038, FIT3039, FIT3040, FIT3045, FIT3047, FIT3048, IMS3000, IMS3501, IMS3502

Prerequisites

((FIT1001 and FIT1005) or FIT1031) and (FIT1002, FIT1004, FIT2001, FIT2002 and (FIT1003 or FIT2003) and (6 pts of FIT units at any year level) and (18 pts of FIT 2nd or 3rd year units).

This unit is only available for students in their final semester of study (24 pts or less to complete) for whom the IE project is a core requirement. The students must have a credit average in the previous year of study and must have chief examiner and course director approval.
Chief Examiner
Ms Chris Gonsalvez

Campus Lecturer
Caulfield
Gail Bourne
Consultation hours: Please email with a contact no. to organise an appointment

Sunway
Mylini Munsamy
Academic Overview

Outcomes
At the completion of this unit students will be able to:

- understand all stages of the process of developing an information system;
- understand the roles and responsibilities of clients, system users and developers in a systems development project;
- understand how information systems are developed;
- apply, in a practical setting, the theoretical work covered in their course;
- develop a significant computing application, from the analysis and design stages, through coding and implementation to evaluation;
- work with clients and communicate effectively with them;
- define a problem, and gather data, facts, opinions and information needed to analyse and solve it;
- outline and evaluate alternative solutions to a system development problem;
- perform a feasibility study that includes estimates of costs, time requirements, a schedule for the development, and the benefits expected from the system;
- identify hardware and software requirements for a system;
- document a system design using a range of appropriate tools;
- implement a system, including testing and debugging;
- evaluate a system, identifying any weakness or possible enhancements;
- operate effectively as a member of a development team.

Graduate Attributes
Monash prepares its graduates to be:

1. responsible and effective global citizens who:
   a. engage in an internationalised world
   b. exhibit cross-cultural competence
   c. demonstrate ethical values

2. critical and creative scholars who:
   a. produce innovative solutions to problems
   b. apply research skills to a range of challenges
   c. communicate perceptively and effectively

Assessment Summary
In-semester assessment: 100%

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<tr>
<th>Assessment Task</th>
<th>Value</th>
<th>Due Date</th>
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Teaching Approach

Work-integrated learning or industry-based learning

In this unit we try to simulate a real systems development experience. Groups of students work as a team with support from tutors and academic staff to develop a system for a real client. This teaching approach is experiential learning with active learner involvement in a practical environment. Reflection is used to conceptualise the experience.

Feedback

Our feedback to You

Types of feedback you can expect to receive in this unit are:

- Informal feedback on progress in labs/tutes
- Graded assignments with comments
- Interviews

Your feedback to Us

Monash is committed to excellence in education and regularly seeks feedback from students, employers and staff. One of the key formal ways students have to provide feedback is through SETU, Student Evaluation of Teacher and Unit. The University's student evaluation policy requires that every unit is evaluated each year. Students are strongly encouraged to complete the surveys. The feedback is anonymous and provides the Faculty with evidence of aspects that students are satisfied and areas for improvement.

For more information on Monash's educational strategy, and on student evaluations, see:
http://www.policy.monash.edu/policy-bank/academic/education/quality/student-evaluation-policy.html

Previous Student Evaluations of this unit

Based on student and client feedback at the Caulfield campus:

- various activities will be carried out early in the semester to ensure a better mix of skills in each group;
- formal mechanisms have been introduced to get regular client feedback; and
- an iterative development approach has been introduced.

If you wish to view how previous students rated this unit, please go to
Required Resources

Please check with your lecturer before purchasing any Required Resources. Limited copies of prescribed texts are available for you to borrow in the library, and prescribed software is available in student labs.

The studio environment provides a large array of software and hardware for students to use within the studios, and some items are available for overnight loan. Please see the unit website for up-to-date listing. Anything additional is to be negotiated between the student teams and their clients. FIT will not normally provide additional hardware or software.
## Unit Schedule

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<th>Week</th>
<th>Activities</th>
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<td>No formal assessment or activities are undertaken in week 0</td>
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<td>1</td>
<td>Each campus runs their version of the unit independently. Students will be advised of campus specific activities to be held each week.</td>
<td>Each campus runs their version of the unit independently. Students will be advised of campus specific delivery dates and deliverables.</td>
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*Unit Schedule details will be maintained and communicated to you via your MUSO (Blackboard or Moodle) learning system.*
Assessment Requirements

Assessment Policy

Faculty Policy - Unit Assessment Hurdles

Academic Integrity - Please see the Demystifying Citing and Referencing tutorial at http://lib.monash.edu/tutorials/citing/

Assessment Tasks

Participation

• Assessment task 1

  **Title:**  
  Practical Assessment - Project

  **Description:**  
  A range of system development deliverables related to the project, details to be negotiated in the early stages of the development process.

  Detailed information about assessment, deliverables and due dates will be provided at each campus.

  **Weighting:**  
  100%

  **Criteria for assessment:**  
  How well the project meets the client's system requirements, and how well the team manages their project.

  The supervisor will monitor individual contributions to the group when allocating marks to members of the group.

  Detailed information about criteria for assessment will be provided at each campus.

  **Due date:**  
  Varied throughout the semester, dates to be negotiated with Project Director. Please refer to campus specific information on unit website.

Assignment submission

It is a University requirement (http://www.policy.monash.edu/policy-bank/academic/education/conduct/plagiarism-procedures.html) for students to submit an assignment coversheet for each assessment item. Faculty Assignment coversheets can be found at http://www.infotech.monash.edu.au/resources/student/forms/. Please check with your Lecturer on the submission method for your assignment coversheet (e.g. attach a file to the online assignment submission, hand-in a hard copy, or use an online quiz).
Online submission

If Electronic Submission has been approved for your unit, please submit your work via the VLE site for this unit, which you can access via links in the my.monash portal.

Extensions and penalties

Submission must be made by the due date otherwise penalties will be enforced.

You must negotiate any extensions formally with your campus unit leader via the in-semester special consideration process:

Returning assignments

Students can expect assignments to be returned within two weeks of the submission date or after receipt, whichever is later.
Other Information

Policies

Monash has educational policies, procedures and guidelines, which are designed to ensure that staff and students are aware of the University’s academic standards, and to provide advice on how they might uphold them. You can find Monash's Education Policies at: http://policy.monash.edu.au/policy-bank/academic/education/index.html

Key educational policies include:

- Plagiarism (http://www.policy.monash.edu/policy-bank/academic/education/conduct/plagiarism-policy.html)
- Special Consideration (http://www.policy.monash.edu/policy-bank/academic/education/assessment/special-consideration-policy.html)
- Grading Scale (http://www.policy.monash.edu/policy-bank/academic/education/assessment/grading-scale-policy.html)
- Discipline: Student Policy (http://www.policy.monash.edu/policy-bank/academic/education/conduct/student-discipline-policy.html)
- Academic Calendar and Semesters (http://www.monash.edu.au/students/key-dates/);
- Orientation and Transition (http://www.infotech.monash.edu.au/resources/student/orientation/); and
- Codes of Practice for Teaching and Learning (http://www.policy.monash.edu/policy-bank/academic/education/conduct/supdocs/code-of-practice-teaching-learning.html)

Student services

The University provides many different kinds of support services for you. Contact your tutor if you need advice and see the range of services available at www.monash.edu.au/students. For Sunway see http://www.monash.edu.my/Student-services, and for South Africa see http://www.monash.ac.za/current/

The Monash University Library provides a range of services and resources that enable you to save time and be more effective in your learning and research. Go to http://www.lib.monash.edu.au or the library tab in my.monash portal for more information. At Sunway, visit the Library and Learning Commons at http://www.lib.monash.edu.my/. At South Africa visit http://www.lib.monash.ac.za/.

Academic support services may be available for students who have a disability or medical condition. Registration with the Disability Liaison Unit is required. Further information is available as follows:

- Website: http://monash.edu/equity-diversity/disability/index.html;
- Email: dlu@monash.edu
- Drop In: Equity and Diversity Centre, Level 1 Gallery Building (Building 55), Monash University, Clayton Campus, or Student Community Services Department, Level 2, Building 2, Monash University, Sunway Campus
- Telephone: 03 9905 5704, or contact the Student Advisor, Student Community Services at 03 55146018 at Sunway
Reading list

There are no recommended texts, however students are expected to have developed their own collection of texts, URLs and other reference materials during the course of their studies, and will be required to carry out research related to their specific project.