FIT3047
Industrial experience project

Unit Guide

Semester 1, 2011

Last updated: 27 Feb 2011

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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.

This is the first of two industrial experience units for most majors in the Bachelor of Information Technology and Systems, the Bachelor of Business Information Systems, the Bachelor of Computing, the Bachelor of Information Systems and the Bachelor of Network Computing. After successful completion of this unit, students must enrol in and pass FIT3048 to complete their industrial experience project requirements.

Mode of Delivery

- Caulfield (Day)
- Gippsland (Day)
- Gippsland (Off-campus)
- Sunway (Day)
- South Africa (Day)

Contact Hours

Caulfield: 1 hr seminar/wk, 3 hrs laboratories/wk
South Africa: As determined by supervisor
Sunway: As determined by supervisor
Gippsland: 2 hrs seminar/wk, 2 hrs laboratories/wk or as determined by supervisor

Workload

For on campus students, workload commitments are:

- 3 hour studio session
- 1 hour seminar
- Half an hour on personal reflection which includes: writing a reflection about the week's activities, keeping records of time spent on this unit and generally reflecting on what you have learned.
- Approximately 7 1/2 hours of additional work which will include a range of systems development activities

Unit Relationships

Prohibitions

CPE3200, CPE3300, CSE3200, CSE3301, FIT2032, FIT3015, FIT3039, FIT3040, FIT3038, FIT3025, FIT3026, FIT3016, FIT3017, FIT3045, GCO3819, GCO3700, GCO3800, GCO3900, GCO3800A, IMS3000, IMS3501, IMS3502

Prerequisites

For Bachelor of Information Technology and Systems (3334):
((FIT1001 and FIT1005) or FIT1031) and FIT1002, FIT1004, FIT2001, FIT2002, (FIT1003 or FIT2003), (6 pts of FIT units at any year level) and (18 pts of FIT 2nd or 3rd year units).
The off-campus offering of FIT3047 is only available to BITS Gippsland DE students.
For Bachelor of Computing (2330) and associated double degree students only: CSE2132 or FIT1004 and CSE2203 or FIT2002. Student should also have completed at least 84 credit points towards their Bachelor of Computing or associated double degrees.
For Bachelor of Information Systems (3323) and associated double degree students only: IMS2502 or equivalent.
For Bachelor of Network Computing and associated double degree students only: (FIT1002 or CPE1001) and (FIT1001 or CPE1002) and (FIT1011 or CPE1003) and (FIT2034 or CPE1004) and (FIT1003 or CPE1006) and (FIT1005 or CPE1007) and (FIT2002 or CPE2006) and 2 of (FIT2001 or CPE2003) or (FIT1004 or CPE2005) or (FIT3031 or CPE2007).

Chief Examiner

Chris Gonsalvez

Campus Lecturer

Caulfield

Chris Gonsalvez

Contact hours: Please contact me via email - chris.gonsalvez@monash.edu to organise an appointment

Peter O'Donnell

Janet Fraser

Gippsland

Shyh Wei Teng

Sunway

Thomas O'Daniel

Tutors

Caulfield

Steven Remington

Poh Lim

Mehran Vahid

Learning Objectives

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

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%

Assessment Task	Value	Due Date
Practical Assessment - Detailed information about assessment, deliverables and due dates will be provided at each campus.	100%	Please refer to campus specific information on unit website.

Teaching Approach

Studio teaching

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. The seminars focus on revising and addressing specific issues related to the system development process. The studio sessions are there for students to work on their project and to receive help from tutors and academic staff.

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
- Test results and feedback

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.monash.edu.au/about/monash-directions/directions.html
http://www.policy.monash.edu/policy-bank/academic/education/quality/student-evaluation-policy.html

Previous Student Evaluations of this unit

If you wish to view how previous students rated this unit, please go to
https://emuapps.monash.edu.au/unitevaluations/index.jsp

Required Resources

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 web site for an 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

Week	Date*	Activities	Assessment
0	21/02/11		No formal assessment or activities are undertaken in week 0

1	28/02/11	Campus specific seminars will be held	This unit runs independently on each campus. Students will be advised of campus specific delivery dates and deliverables.
2	07/03/11	Campus specific seminars will be held	
3	14/03/11	Campus specific seminars will be held	
4	21/03/11	Campus specific seminars will be held	
5	28/03/11	Campus specific seminars will be held	
6	04/04/11	Campus specific seminars will be held	
7	11/04/11	Campus specific seminars will be held	
8	18/04/11	Campus specific seminars will be held	
Mid semester break			
9	02/05/11	Campus specific seminars will be held	
10	09/05/11	Campus specific seminars will be held	
11	16/05/11	Campus specific seminars will be held	
12	23/05/11	Campus specific seminars will be held	
	30/05/11	SWOT VAC	No formal assessment is undertaken SWOT VAC

*Please note that these dates may only apply to Australian campuses of Monash University. Off-shore students need to check the dates with their unit leader.

Assessment Policy

To pass a unit which includes an examination as part of the assessment a student must obtain:

- 40% or more in the unit's examination, and
- 40% or more in the unit's total non-examination assessment, and
- an overall unit mark of 50% or more.

If a student does not achieve 40% or more in the unit examination or the unit non-examination total assessment, and the total mark for the unit is greater than 50% then a mark of no greater than 49-N will be recorded for the unit

Assessment Tasks

Participation

- **Assessment task 1**

   Title:
   Practical Assessment - Detailed information about assessment, deliverables and due dates will be provided at each campus.
   Description:

> A range of system development deliverables related to the project - details to be
> negotiated in the early stages of the development process.

Weighting:
> 100%

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

Due date:
> Please refer to campus specific information on unit website.

Examinations

Assignment submission

Assignment coversheets are available via "Student Forms" on the Faculty website:
http://www.infotech.monash.edu.au/resources/student/forms/
You MUST submit a completed coversheet with all assignments, ensuring that the plagiarism declaration section is signed.

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:
http://www.infotech.monash.edu.au/resources/student/equity/special-consideration.html.

Returning assignments

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

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)
- Assessment
  (http://www.policy.monash.edu/policy-bank/academic/education/assessment/assessment-in-coursework-po
- Special Consideration
  (http://www.policy.monash.edu/policy-bank/academic/education/assessment/special-consideration-policy.h
- 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
- Academic and Administrative Complaints and Grievances Policy (http://www.policy.monash.edu/policy-bank/academic/education/management/complaints-grievance-policy.

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 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. Students who have a disability or medical condition are welcome to contact the Disability Liaison Unit to discuss academic support services. Disability Liaison Officers (DLOs) visit all Victorian campuses on a regular basis

- Website: http://adm.monash.edu/sss/equity-diversity/disability-liaison/index.html;
- Telephone: 03 9905 5704 to book an appointment with a DLO;
- Email: dlu@monash.edu
- Drop In: Equity and Diversity Centre, Level 1 Gallery Building (Building 55), Monash University, Clayton Campus.

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.