



MONASH University
Information Technology

FIT3047
Industrial experience project

Unit Guide

Semester 2, 2013

The information contained in this unit guide is correct at time of publication. The University has the right to change any of the elements contained in this document at any time.

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FIT3047 Industrial experience project - Semester 2, 2013

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 IT application for a real world client. In teams, students design, develop and deliver an IT applications for a client, manage the project through all its development stages, communicate effectively with all project stakeholders and develop project documentation to a professional standard. Students also present their project work to academics and other groups, attend unit seminars, and contribute in a professional and committed manner to the work of their team.

FIT3047 is the first of two industry experience units for most majors in the Bachelor of Information Technology and Systems, Bachelor of Computer and Information Sciences and the Bachelor of Business Information Systems. After successful completion of this unit, students must enrol in and pass FIT3048 to complete their industry experience project requirements.

Mode of Delivery

- Caulfield (Day)
- Sunway (Day)

Contact Hours

Caulfield: 1.5 hr seminar/wk, 3 hrs laboratories/wk

Clayton: 1.5 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 requirements

Students will be expected to spend a total of 12 hours per week during the semester. As there is a variation for each campus the following applies:

For on-campus students at the **Caulfield campus**, workload commitments are:

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

For on-campus students at **Gippsland campus**, workload commitments are:

- 2 hour laboratory session.
- 2 hour seminar.
- Approximately 8 hours of additional work which will include a range of systems development activities.

This may vary as determined by supervisor.

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Off-campus students generally do not attend lecture and tutorial sessions, however, you should plan to spend equivalent time working through the relevant resources and participating in discussion groups each week.

South Africa: This may vary as determined by supervisor.

Sunway: This may vary as determined by supervisor.

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

FIT undergraduate common core units:

((FIT1001 and FIT1005) or FIT1031) and ((FIT1040 and one of FIT1035, FIT1008, FIT2034, FIT2071, FIT2081) or FIT1002) and FIT1004 and FIT2001 and FIT2002 and (FIT1003 or FIT2003) and (12 pts of FIT units at any year level) and (12 pts of FIT 2nd or 3rd year units).

FIT3047 is only available to students enrolled in the Bachelor of Information Technology and Systems, Bachelor of Business Information Systems, Bachelor of Computer and Information Sciences and related double degrees.

The off-campus offering of FIT3047 is only available to BITS Gippsland DE students.

Chief Examiner

Ms Chris Gonsalvez

Campus Lecturer

Caulfield

Gail Bourne

Consultation hours: Please email with a contact no. to organise an appointment

Sunway

Simon Egerton

Tutors

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Caulfield

Xueliang Hua

Consultation hours: Please email with a contact no. to organise an appointment

Academic Overview

Learning Outcomes

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

- understand how IT applications are developed, including all aspects of the development process;
- understand the roles and responsibilities of clients, system users, management and developers in a development project;
- apply, in a practical setting, aspects of the theoretical work covered in their course;
- develop an IT application using a prescribed methodology, conducting all activities associated with the development methodology;
- work with clients or client representatives, communicating effectively with them to meet their requirements;
- operate effectively as a member of a development team.

Unit Schedule

Week	Activities	Assessment
0		No formal assessment or activities are undertaken in week 0
1	Each campus runs their version of the unit independently. Students will be advised of campus specific activities to be held each week.	Each campus runs their version of the unit independently. Students will be advised of campus specific delivery dates and deliverables.
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
	SWOT VAC	No formal assessment is undertaken in SWOT VAC
	Examination period	LINK to Assessment Policy: http://policy.monash.edu.au/policy-bank/academic/education/assessment/assessment-in-coursework-policy.html

*Unit Schedule details will be maintained and communicated to you via your learning system.

Assessment Summary

In-semester assessment: 100%

Assessment Task	Value	Due Date
Project Deliverables	75%	Varied throughout the semester. Please refer to campus specific information on unit website.
Reflective Diary	12.5%	Varied across campuses
Peer Assessment	12.5%	3 times during the semester - actual dates vary across campuses.

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.

Assessment Requirements

Assessment Policy

Faculty Policy - Unit Assessment Hurdles

(<http://www.infotech.monash.edu.au/resources/staff/edgov/policies/assessment-examinations/unit-assessment-hu>)

Academic Integrity - Please see the Demystifying Citing and Referencing tutorial at

<http://lib.monash.edu/tutorials/citing/>

Assessment Tasks

Participation

• Assessment task 1

Title:

Project Deliverables

Description:

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

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

Weighting:

75%

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 the contributions by individual team members. An individual team member's final mark for the 'Project Deliverables' can vary based on their individual contribution across the semester. This variation can be plus/minus up to 100% of the group mark for the 'Project Deliverables'.

Detailed information about criteria for assessment for each of the project deliverables will be provided for each campus specific offering.

Due date:

Varied throughout the semester. Please refer to campus specific information on unit website.

• Assessment task 2

Title:

Reflective Diary

Description:

The Reflective Diary gives students the opportunity to reflect upon, analyse, and learn from their experiences, and constructively review their practices, with a view to improving future practice.

Weighting:

12.5%

Criteria for assessment:

Assessment Requirements

Reflection of learning experience, includes description, evaluation, analysis of the learning experiences, together with an action plan, and reporting back of previous action plans.

Due date:

Varied across campuses

• **Assessment task 3**

Title:

Peer Assessment

Description:

Assessment of self and team members across a range of criteria.

Weighting:

12.5%

Criteria for assessment:

A rating ranging from Unsatisfactory to Exceeds Expectations across a range of criteria.

Due date:

3 times during the semester - actual dates vary across campuses.

Learning resources

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.

Monash Library Unit Reading List

<http://readinglists.lib.monash.edu/index.html>

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

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.monash.edu.au/exams/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.

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). Please note that it is your responsibility to retain copies of your assessments.

Online submission

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

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 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.

Recommended Resources

Please refer to Unit website for resources.

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:

www.policy.monash.edu.au/policy-bank/academic/education/index.html

Key educational policies include:

- Academic integrity;
<http://www.policy.monash.edu/policy-bank/academic/education/conduct/student-academic-integrity-policy.html>
- Assessment in Coursework Programs;
<http://www.policy.monash.edu/policy-bank/academic/education/assessment/assessment-in-coursework-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/dates/>
- Orientation and Transition; <http://intranet.monash.edu.au/infotech/resources/students/orientation/>
- Academic and Administrative Complaints and Grievances Policy;
<http://www.policy.monash.edu/policy-bank/academic/education/management/complaints-grievance-policy.html>
- Code of Practice for Teaching and Learning;
<http://www.policy.monash.edu.au/policy-bank/academic/education/conduct/suppdocs/code-of-practice-teaching-and-learning.html>

Graduate Attributes Policy

<http://www.policy.monash.edu/policy-bank/academic/education/management/monash-graduate-attributes-policy.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 <http://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/>.

Monash University Library

The Monash University Library provides a range of services, resources and programs that enable you to save time and be more effective in your learning and research. Go to 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/>.

Disability Liaison Unit

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://www.monash.edu/equity-diversity/disability/index.html> Telephone: 03 9905 5704 to book an appointment with a DLO; or contact the Student Advisor, Student Community Services at 03 55146018 at Sunway Email: dlu@monash.edu Drop In: Equity and Diversity Centre, Level 1, Building 55, Clayton Campus, or Student Community Services Department, Level 2, Building 2, Monash University, Sunway Campus

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 the Student Evaluation of Teaching and Units (SETU) survey. 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, see:

www.monash.edu.au/about/monash-directions and on student evaluations, see: 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 <https://emuapps.monash.edu.au/unitevaluations/index.jsp>

Other

Each campus will have its own Moodle site for the Industry Experience units.