



**MONASH** University  
Information Technology

**FIT3047**  
**Industry experience studio project 1**

**Unit Guide**

**Semester 2, 2015**

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# FIT3047 Industry experience studio project 1 - Semester 2, 2015

In their final year of study, students are given the opportunity to develop new skills and 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)

## Workload Requirements

Minimum total expected workload equals 12 hours per week comprising:

(a.) Contact hours for on-campus students:

- 4-5 hours of seminars, studios, laboratories or supervisor meetings (depending on campus location)

(b.) Study schedule for off-campus students:

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

(c.) Additional requirements (all students):

- A minimum of 8 hours independent study and team work per week for completing a range of systems development activities.

See also Unit timetable information

## 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, FIT2076, 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

Mr Peter O'Donnell

## Campus Lecturer

### Caulfield

Gail Bourne

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

## Tutors

## 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/](http://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](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:

Highlights for students included contact with a real business client, learning new development skills, learning how to work as a team and how to communicate better with stakeholders.

Changes for this offering include:

- improved and more formal software tutorials
- extra emphasis on expectations from clients at the very beginning of the project

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- peer testing to improve system builds
- more information on common business functions

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

# 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	Read student guide and schedule for unit, available on Moodle	No formal assessment or activities are undertaken in week 0.
1	Complete skills audit and personality tests for team forming; Cake PHP workshop.	Students will be advised of exact delivery dates and deliverables via Moodle. These will vary depending on system and client availability. Weekly reflective diaries are due each week, Sunday, submitted to Moodle.
2	Team Building exercise; Leankit Kanban workshop	
3	Project Control workshop; Meet and Greet Clients	
4	Interview clients, write up initial requirements, create mock ups	Peer reviews due
5	Systems Overview Presentations;	
6	Review delivery Cycle 1 requirements; versioning workshop	
7	Review Delivery Cycle 1 build; Present System Overview to clients	
8	Database workshop; Work on delivery cycle 1.	Peer reviews due
9	Feedback given on DC1; review DC2 requirements with clients.	
10	Cake/php problem Workshop; Review DC2; Presentation of Implementation Plan	
11	Present DC2 to peers; Review delivery Cycle 3 requirements with client.	
12	Implementation Plan and DC2 (final deliverables) delivered and signed off; Final team interviews.	Peer reviews due; Final deliverables due
	SWOT VAC	No formal assessment is undertaken in SWOT VAC
	Examination period	LINK to Assessment Policy: <a href="http://policy.monash.edu.au/policy-bank/academic/education/assessment/assessment-in-coursework-policy.html">http://policy.monash.edu.au/policy-bank/academic/education/assessment/assessment-in-coursework-policy.html</a>

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

## 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 and mentoring from academic staff to develop a working and complete 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 and develop understanding of personal strengths.

## Assessment Summary

In-semester assessment: 100%

<b>Assessment Task</b>	<b>Value</b>	<b>Due Date</b>
Project Deliverables	75%	Final deliverables due Week 12, 23/10/2015. Individual deliverable due dates through the semester will vary based on project and client and are negotiable.
Reflective Diary	12.5%	Weekly, weeks 1 -12
Assessment of contribution and professional conduct	12.5%	Three student peer evaluations - weeks 4, 8 and 12. Staff assessment - week 12.



# Assessment Requirements

## Assessment Policy

Faculty Policy - Unit Assessment Hurdles

(<http://intranet.monash.edu.au/infotech/resources/staff/edgov/policies/assessment-examinations/assessment-hurdles>)

Academic Integrity - Please see resources and tutorials at

<http://www.monash.edu/library/skills/resources/tutorials/academic-integrity/>

## 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.

This assessment task relates to all the units learning outcomes.

**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.

This assessment task relates to all the units learning outcomes.

**Due date:**

Final deliverables due Week 12, 23/10/2015. Individual deliverable due dates through the semester will vary based on project and client and are negotiable.

- **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.

This assessment task relates to all the units learning outcomes.

**Weighting:**

12.5%

**Criteria for assessment:**

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

**Due date:**

Weekly, weeks 1 -12

- **Assessment task 3**

**Title:**

Assessment of contribution and professional conduct

**Description:**

Assessment across a range of criteria by students and staff.

This assessment task relates to all the units learning outcomes.

**Weighting:**

12.5%

**Criteria for assessment:**

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

**Due date:**

Three student peer evaluations - weeks 4, 8 and 12. Staff assessment - week 12.

## 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 (if applicable to the unit)

<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/student-academic-integrity-managing-pla>

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 electronic submission). 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.

Assessment Requirements

## **Recommended Resources**

Please refer to the 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](http://www.policy.monash.edu.au/policy-bank/academic/education/index.html)

### Faculty resources and policies

Important student resources including Faculty policies are located at

<http://intranet.monash.edu.au/infotech/resources/students/>

### Graduate Attributes Policy

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

### Student Charter

[www.opq.monash.edu.au/ep/student-charter/monash-university-student-charter.html](http://www.opq.monash.edu.au/ep/student-charter/monash-university-student-charter.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 Malaysia 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](http://www.lib.monash.edu.au) or the library tab in [my.monash](#) portal for more information. At Malaysia, 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 Malaysia
- Email: [dlu@monash.edu](mailto: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, Malaysia Campus