



**MONASH** University  
Information Technology

**FIT3047**  
**Industrial experience project**

**Unit Guide**

**Semester 1, 2012**

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 1, 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.

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

Students will be expected to spend a total of 12 hours per week during 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 hour seminar - at times this may be extended.
- 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 1/2 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 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

**Ms Chris Gonsalvez**

## Campus Lecturer

### Caulfield

**Chris Gonsalvez**

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

**Janet Fraser**

**Peter O'Donnell**

## **Gippsland**

**Shyh Wei Teng**

## **South Africa**

**Paula Murray**

## **Sunway**

**Mylini Munusamy**

## **Tutors**

### **Caulfield**

**David Grant**

**Steve Remington**

**Elliott Wilson**

# 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

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%

| <b>Assessment Task</b>         | <b>Value</b> | <b>Due Date</b>  |
|--------------------------------|--------------|--|
| Practical Assessment - Project | 100%         | Please refer to campus specific information on unit website. |

## Teaching Approach

### Studio teaching

Studio teaching is a facilitated active, participatory, peer learning approach.

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

Based on student and client feedback:

- 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>

### Required Resources

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

## Academic Overview

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 | Activities                            | Assessment  |
|------|---------------------------------------|---|
| 0    |                                       | No formal assessment or activities are undertaken in week 0   |
| 1    | 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    | Campus specific seminars will be held |   |
| 3    | Campus specific seminars will be held |   |
| 4    | Campus specific seminars will be held |   |
| 5    | Campus specific seminars will be held |   |
| 6    | Campus specific seminars will be held |   |
| 7    | Campus specific seminars will be held |   |
| 8    | Campus specific seminars will be held |   |
| 9    | Campus specific seminars will be held |   |
| 10   | Campus specific seminars will be held |   |
| 11   | Campus specific seminars will be held |   |
| 12   | Campus specific seminars will be held |   |
|      | SWOT VAC                              | No formal assessment is undertaken<br>SWOT VAC  |
|      | Examination period                    | LINK to Assessment Policy:<br><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 MUSO (Blackboard or Moodle) learning system.

# Assessment Requirements

## Assessment Policy

Faculty Policy - Unit Assessment Hurdles

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

## 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:**

Please refer to campus specific information on unit website.

## Examinations

### 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:

<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.

## 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>)
- Assessment  
(<http://www.policy.monash.edu/policy-bank/academic/education/assessment/assessment-in-coursework-p>)
- 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>)
- Codes of Practice for Teaching and Learning  
(<http://www.policy.monash.edu.au/policy-bank/academic/education/conduct/suppdocs/code-of-practice-tea>)

### 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](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/>

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](mailto: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

Other Information

## **Other**

### **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.