



**MONASH** University  
Information Technology

**FIT1016**  
**Advanced project level 1**

**Unit Guide**

**Semester 2, 2014**

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# **FIT1016 Advanced project level 1 - Semester 2, 2014**

This unit introduces students to a variety of topics outside the curriculum, and provides an opportunity to write programs (or, rarely, to build hardware) in an area of interest to the student and the School. The subject operates in an informal manner, and the programming tasks are designed to be interesting and challenging to advanced students. Students will typically meet with their supervisor on a weekly basis and in addition to demonstrating the results of their project, they will also give an oral presentation.

## **Mode of Delivery**

Clayton (Day)

## **Workload Requirements**

Minimum total expected workload equals 2-6 hours per week comprising:

- regular meetings with the supervisor
- depending on the project and the existing knowledge and programming experience of the student  
2-6 hrs personal study a week (gaining the required background knowledge, developing and implementing a solution, then writing up the project)

## **Additional workload requirements**

Students must attend a preliminary session to hear about the projects being offered, and attend a final presentation session. During semester, they may have weekly meetings with the supervisor, but the nature and duration of these meetings will be determined by the supervisor and student together.

The amount of work required will vary depending on the project and the existing knowledge and programming experience of the student, however 2-6 hrs personal study a week (gaining the required background knowledge, developing and implementing a solution, then writing up the project) would be a reasonable expectation.

## **Unit Relationships**

### **Prerequisites**

FIT1002 OR FIT1040

### **Chief Examiner**

Dr Julian Garcia

### **Campus Lecturer**

## **Clayton**

**Julian Garcia**

Consultation hours: TBA

## **Tutors**

### **Clayton**

**Julian Garcia**

Consultation hours: TBA

**Other academics will be supervising projects**

## **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)

# Academic Overview

## Learning Outcomes

At the completion of this unit students will:

- understand concepts from several areas of Computer Science not covered in their normal curriculum;
- know where to find further information on a range of topics on computer programming and computer science;
- understand, from their own experience, some of the difficulties that can arise in larger programming tasks;
- be able to learn new programming languages and tools on their own, without formal instruction;
- be aware of the diverse range of tools that can be used to solve computing problems;
- be aware of the breadth of the Computer Science discipline;
- have an appreciation of the nature of Computer Science;
- have skills in using a programming language or technology not covered in their normal curriculum;
- have experience demonstrating a computer program;
- have experience giving an oral presentation of a computing project.

## Unit Schedule

Week	Activities	Assessment
0		No formal assessment or activities are undertaken in week 0
1	Information Session Room G12A, Blg 26, Wednesday 30 July 2014, 12 noon	Project preference emailed to Julian.Garcia@monash.edu by 5pm Friday
2	Project allocations made by Tuesday this week	First meeting with supervisor should be held this week
3		
4		
5		
6		
7	Progress Meeting (date TBA): students to give a brief update to Unit coordinator and other students on their project and progress to date	
8		
9		
10		
11		
12		Final presentation (date TBA). Final demonstration due by end of semester. Final report due Friday Week 12, but a later date may be negotiated between student and supervisor.
	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

### Peer assisted learning

This learning approach provides an opportunity of advanced exploration in programming that is in an area of interest to the student and the School.

## Assessment Summary

Assessment is based entirely on a demonstration of the students project work, which will include oral discussion of the concepts and skills learned. The unit is Pass Grade Only.

<b>Assessment Task</b>	<b>Value</b>	<b>Due Date</b>
Final presentation		Last week of semester (TBA)
Final demonstration		By the end of semester
Final report		End of semester

# 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:**

Final presentation

**Description:**

Oral presentation on project.

**Weighting:**

**Criteria for assessment:**

Students will be assessed on the quality of the presentation, in particular they should make it clear what the aim of the project was, the approach they took to the project and what they have achieved.

**Due date:**

Last week of semester (TBA)

- **Assessment task 2**

**Title:**

Final demonstration

**Description:**

Demonstrate project to supervisor.

**Weighting:**

**Criteria for assessment:**

Something has been produced that is a solution to at least some part of the problem addressed.

**Due date:**

By the end of semester

- **Assessment task 3**

**Title:**

Final report

**Description:**

Written report on what has been done for the project.

**Weighting:**

**Criteria for assessment:**

◆ Clarity of written expression



## Assessment Requirements

- ◆ Description of project and its aims
- ◆ Description of approach taken
- ◆ Description of what has been achieved in the project

**Due date:**

End of semester

**Remarks:**

Supervisors will provide guidance on what the structure and contents of the final report should be, as this will be very project specific.

## Learning resources

Monash Library Unit Reading List (if applicable to the unit)

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

Faculty of Information Technology [Style Guide](#)

## Feedback to you

Examination/other end-of-semester assessment feedback may take the form of feedback classes, provision of sample answers or other group feedback after official results have been published. Please check with your lecturer on the feedback provided and take advantage of this prior to requesting individual consultations with staff. If your unit has an examination, you may request to view your examination script booklet, see

<http://intranet.monash.edu.au/infotech/resources/students/procedures/request-to-view-exam-scripts.html>

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

- Other: Feedback from project supervisor during meetings, and from peers and other supervisors during the final presentations

## 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 online quiz). Please note that it is your

## Assessment Requirements

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.

## 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)

Key educational policies include:

- Student Academic Integrity Policy and Student Academic Integrity: Managing Plagiarism and Collusion Procedures ;  
<http://www.policy.monash.edu/policy-bank/academic/education/conduct/student-academic-integrity-policy.h>
- Assessment in Coursework Programs;  
<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.ht>
- 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.h>

### 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](http://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