MONASH University
Information Technology

FIT1016
Advanced project level 1

Unit Guide

Semester 2, 2015

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FIT1016 Advanced project level 1 - Semester 2, 2015

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)

See also Unit timetable information

Additional workload requirements

Students must attend a preliminary session to hear about the projects being offered, and attend a final presentation session.

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/ and on student evaluations, see:
www.policy.monash.edu/policy-bank/academic/education/quality/student-evaluation-policy.html

Academic Overview

Learning Outcomes

On successful completion of this unit, students should be able to:

1. research and evaluate tools and methodologies to solve problems involving concepts from several areas of Computer Science, not covered in their normal curriculum;
2. recognise and solve difficulties arising in large programming tasks;
3. approach and use new programming languages and tools on their own, without formal instruction;
4. recognise the diverse range of tools that can be used to solve computing problems.
5. recognise the breadth of the Computer Science discipline;
6. demonstrate a computer program;
7. give 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 29 July 2014, 12 noon	Project preference emailed to CE
2	Project allocations made this week	
3		First meeting with supervisor should be held this week
4		
5		
6		
7	One page report due	
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: 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.

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.

Assessment Task	Value	Due Date
Final presentation		Last week of semester (TBA)

Unit Schedule

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-hurd

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. This assessment relates to Learning Outcomes 1, 2, 3, 4, 5, 7.
  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. This assessment relates to Learning Outcomes 1, 2, 3, 4, 5, 6.
  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. This assessment relates to Learning Outcomes 1, 2, 3, 4, 5.
  Weighting:

Criteria for assessment:

- ♦ Clarity of written expression
- ♦ 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

Feedback to you

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 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.

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

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

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 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 Commuity Services at 03 55146018 at Malaysia
- 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, Malaysia Campus