FIT2044
Advanced project level 2

Unit Guide

Semester 2, 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.

Last updated: 10 Jul 2012

Table of Contents

FIT2044 Advanced project level 2 - Semester 2, 2012

The unit begins with a series of informal lectures on topics or skills outside the students current curriculum. Informal lectures do being in the first Semester, however, enrolment in this unit does not take place until second semester. This informal lecture series will introduce students to interesting material, get them started on skills they may find useful for the projects to be run in the second Semester, and help determine (both for the student and the unit coordinator) whether the student would benefit from enrolling in the unit FIT1016/FIT2044.

At the start of the second semester, students are allocated to project supervisors to work on an advanced project. This will usually be a programming task, but on occasion, may involve hardware. Students may work individually or in groups, as determined by the supervisor of a particular topic. The topics are chosen to cover a range of areas of Computer Science. They will give the students opportunity to further investigate the areas or develop the skills to which they were introduced in the lecture series. After the end of the second semester, the projects are demonstrated to anyone in the School who is interested, and the work is assessed by a panel consisting of the Unit coordinator, the Assistant Lecturer and the students Supervisor to determine whether the grade Pass is to be awarded or not.

Mode of Delivery

Clayton (Day)

Contact Hours

Workload

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 per week (gaining the required background knowledge, developing and implementing a solution, then writing up the project) would be a reasonable expectation.

Unit Relationships

Prohibitions

CSE2370

Prerequisites

FIT1002 or CSE1301

Chief Examiner

Associate Professor Ann Nicholson

Campus Lecturer

Tutors

Clayton

Ann Nicholson

Academic Overview

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.

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

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)
Final demonstration		By the end of semester
Final report		End of semester

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.

Feedback

Our feedback to You

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

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

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

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

Unit Schedule

Week	Activities	Assessment
0		No formal assessment or activities are undertaken in week 0
1	Information Session Room 135, Blg 26, Wednesday, 3pm	Project preference email due to Ann.Nicholson@monash.edu by 5pm Friday
2	Project allocations made by Tues 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 presentations (date TBA); 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 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

Academic Integrity - Please see the Demystifying Citing and Referencing tutorial at
http://lib.monash.edu/tutorials/citing/

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 project.
  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.

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-po
- 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. 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
- 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 Commuity Services at 03 55146018 at Sunway