



MONASH University
Information Technology

**FIT4448
Honours thesis final**

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.

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Table of Contents

<u>FIT4448 Honours thesis final - Semester 2, 2012</u>	1
<u>Mode of Delivery</u>	1
<u>Contact Hours</u>	1
<u>Workload</u>	1
<u>Unit Relationships</u>	1
<u>Prohibitions</u>	1
<u>Co-requisites</u>	1
<u>Prerequisites</u>	1
<u>Chief Examiner</u>	1
<u>Campus Lecturer</u>	1
<u>Clayton</u>	2
<u>Academic Overview</u>	3
<u>Outcomes</u>	3
<u>Graduate Attributes</u>	3
<u>Assessment Summary</u>	4
<u>Teaching Approach</u>	4
<u>Feedback</u>	4
<u>Our feedback to You</u>	4
<u>Your feedback to Us</u>	4
<u>Previous Student Evaluations of this unit</u>	4
<u>Unit Schedule</u>	5
<u>Assessment Requirements</u>	6
<u>Assessment Policy</u>	6
<u>Assessment Tasks</u>	6
<u>Participation</u>	6
<u>Assignment submission</u>	8
<u>Online submission</u>	8
<u>Extensions and penalties</u>	8
<u>Returning assignments</u>	8
<u>Other Information</u>	9
<u>Policies</u>	9
<u>Student services</u>	9

FIT4448 Honours thesis final - Semester 2, 2012

This unit is a research unit and a core requirement for the Bachelor of Software Engineering Honours stream. Due to the nature of IT, a wide range of Honours project types can be offered to students. Some project components are of a practical nature and may involve some software development and/or experimentation, while other components are of a more theoretical nature.

Mode of Delivery

Clayton (Day)

Contact Hours

Regular meetings with supervisor(s) over the course of the semester.

Workload

The workload in this unit is equivalent to a 6 credit point unit, i.e. 12 hours study per week. Contact hours will consist of regular meetings with your supervisor.

Unit Relationships

Prohibitions

CPE4000, CSE4000, IMS4000, FIT4126, FIT4186, FIT4246, FIT4606

Only available to students enrolled in the Honours stream of the Bachelor of Software Engineering.

Co-requisites

FIT4442

Prerequisites

FIT4441

Chief Examiner

Dr Michael Morgan

Campus Lecturer

Clayton

Dr Alan Dorin

Academic Overview

Outcomes

At the completion of this unit students will have:

- demonstrated knowledge and understanding in the area of their chosen research project;
- acquired necessary skills to plan and undertake rigorous independent research;
- acquired comprehensive research skills in the IT field;
- developed the capacity to engage in critical thinking and analysis;
- demonstrated the ability to communicate research activities and findings.

Developed attitudes that enable them to:

- have confidence in their ability to undertake independent and individual research;
- have confidence in their ability to plan and execute an individual research project.

Developed the skills to:

- find and analyse current research literature;
- critically evaluate research findings;
- identify open problems in current research;
- identify promising new research directions based on previous results;
- define feasible projects based on such problems;
- set realistic timelines and intermediate deliverables for a research project;
- communicate research results in a variety of forms, including informal oral presentations, written reports, seminar presentations and poster presentations.

Demonstrated the communication skills necessary to:

- communicate research ideas effectively in oral and written form;
- collaborate effectively with their supervisor.

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

Research Proposal: 5%; Progress report: 5%; Interim Presentation: 5%; Final Presentation: 5%; Thesis (normally 10,000 - 20,000 words): 80%

Assessment Task	Value	Due Date
Final Presentation	5% of the 18 cpt thesis	Week 14 at a seminar time to be scheduled.
Honours Thesis (10,000 to 20,000 words, normally approximately 15,000 words for an 18 cpt thesis)	80% of the 18 cpt thesis	Week 15, Friday 3pm in the second semester of candidature (or the first available week day previous to this date if the Friday falls on a University holiday)

Teaching Approach

Research activities

Students will research an agreed thesis topic under the guidance of their supervisor and will receive feedback on their progress through regular meetings with their supervisor.

Feedback

Our feedback to You

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

- Other: Supervisor meetings and seminar 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	Students will research an agreed thesis topic under the guidance of their supervisor and will receive feedback on their progress through regular meetings with their supervisor.	No formal assessment or activities are undertaken in week 0
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		Final Presentation: due Week 14 in the second semester of candidature at a time to be scheduled - 5% and Honours Thesis: due Week 15, Week 15, Friday 3pm in the second semester of candidature (or the first available week day previous to this date if the Friday falls on a University holiday) - 80%
	SWOT VAC	No formal assessment is undertaken 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

This unit forms part of the sequence of units comprising the Honours thesis in the Faculty of Information Technology.

Two exit points exist for the Honours thesis, FIT4444 - 24 cpts and FIT4448 -18 cpts.

The 24 credit point exit point is applicable to:

- Honours degree of Bachelor of Business Information Systems,
- Honours degree of Bachelor of Computer Science,
- Honours degree of Bachelor of Computing and Information Sciences,
- Honours degree of Bachelor of Information Technology and Systems.

The 18 credit point exit point is applicable to:

- Honours stream in the Bachelor of Software Engineering.

FIT4448 Honours Thesis Final is a unit with an enrolled value of 6 cpts and 18 cpt achievable, taken over a single semester but forms the final part of a sequence of units that together allow a student to complete an Honours Thesis of 18 cpts.

These units include:

- FIT4441 Honours Thesis Part 1
- FIT4442 Honours Thesis Part 2
- FIT4448 Honours Thesis Final -18 cpts

At the completion of the requirements for the thesis the following components of assessment will be completed:

- Research Proposal:(approximately 3000 words) 5%;
- Literature Review:(approximately 6000 words) 10%;
- Interim Presentation: hurdle;
- Final Presentation: 5%;
- Thesis (normally 10,000 - 20,000 words): 80%

These assessment tasks will be completed over the course of several units in the Honours program but the overall grade for the thesis will only be finalised on completion of either FIT4444 - 24 cpts or FIT4448 -18 cpts.

Assessment Requirements

Please refer to the Unit Guides for FIT4441, FIT4444 and FIT4448 for a description of the assessment items to be completed over the course of the Honours Thesis.

The following components will be assessed during the course of this unit:

Final Presentation: 5%; Thesis (normally 10,000 - 20,000 words): 80%

• Assessment task 1

Title:

Final Presentation

Description:

Present a 20 minute presentation on your research project to your peers with an additional 5 minute question period. The presentation should clearly identify the research problem, significance and aims. The background research context should be outlined and the research approach and method clearly defined. The research outcomes and possible avenues for further research should be presented. The presentation should be well structured and concisely delivered. The presenter will be required to answer questions raised by their peers and the academic staff.

Weighting:

5% of the 18 cpt thesis

Criteria for assessment:

Content and Structure of Presentation - /70

Presentation Delivery - /30

Total - /100

Due date:

Week 14 at a seminar time to be scheduled.

• Assessment task 2

Title:

Honours Thesis (10,000 to 20,000 words, normally approximately 15,000 words for an 18 cpt thesis)

Description:

Submit an Honours Thesis of approximately 15,000 words that describes your research.

The thesis should be well structured and contain, an abstract, table of contents and correct referencing.

It will provide a clear description of the objectives of the project, will include a comprehensive literature review, and describe the methodology used.

The thesis will provide a good analysis of the evaluation of results, and contain the correct grammar and expression.

The presentation of the thesis document will be consistent with the standard expected of academic writing in the field.

Weighting:

80% of the 18 cpt thesis

Criteria for assessment:

Difficulty of task - /10

Assessment Requirements

Quality and substance of report consistent with presentation - /40

Achievement - /50

Total - /100

Due date:

Week 15, Friday 3pm in the second semester of candidature (or the first available week day previous to this date if the Friday falls on a University holiday)

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. 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 Community Services at 03 55146018 at Sunway