COMP60001 Computer Science Research Project

Credit Points:	50
Level:	6 (Graduate/Postgraduate)
Dates & Locations:	2012, Parkville This subject commences in the following study period/s: Semester 1, Parkville - Taught on campus. Semester 2, Parkville - Taught on campus.
Time Commitment:	Contact Hours: Students are required to attend regular meetings with their supervisor, and to participate in the academic activities of the Department of Computing and Information Systems. Total Time Commitment: Students are required to undertake approximately 720 hours of investigative work, 40 hours per week over an 18 week period.
Prerequisites:	The prerequisites are:

Subject	Study Period Commencement:	Credit Points:
COMP90049 Knowledge Technologies	Semester 1	12.50
COMP90048 Declarative Programming	Semester 2	12.50
COMP90015 Distributed Systems	Semester 1, Semester 2	12.50

Corequisites: The corequisites are:

Subject	Study Period Commencement:	Credit Points:
COMP90044 Research Methods	Semester 2	12.50

Recommended Background Knowledge: Recommended background knowledge:

Subject	Study Period Commencement:	Credit Points:
COMP20004 Discrete Structures	Semester 2	12.50

OR equivalent, and study at the second-year University level in Mathematics/Statistics

Non Allowed Subjects:	None
Core Participation Requirements:	For the purposes of considering request for Reasonable Adjustments under the Disability Standards for Education (Cwth 2005), and Students Experiencing Academic Disadvantage Policy, academic requirements for this subject are articulated in the Subject Description, Subject Objectives, Generic Skills and Assessment Requirements of this entry. The University is dedicated to provide support to those with special requirements. Further details on the disability support scheme can be found at the Disability Liaison Unit website: http://www.services.unimelb.edu.au/disability/
Coordinator:	Dr Lee Naish, Dr Rui Zhang
Contact:	Email: **comp-mssc-coord@unimelb.edu.au (mailto:comp-mssc-coord@unimelb.edu.au)**
Subject Overview:	Students undertake a research investigation under the supervision of members of the Department of Computing and Information Systems academic staff. A mark for the subject will not be awarded until a total of 75 points of Research Project enrolment has been completed.

Objectives:	On completion of the sequence of Research Project subjects, a graduate of the MSc(CS) should: # Haveattained research maturity, including the ability to independently carry out a research survey, and plan, execute, interpret and report on a computational experiment OR demonstrate mastery of the mathematical and logical techniques required for research in theoretical Computer Science # Have the ability to communicate Computer Science research.
Assessment:	A written thesis of approximately 25,000 words (contributing 90% of the grade for the subject) and an oral presentation of their project work prior to submission of the thesis (contributing the remaining 10% of the grade). The thesis will be examined internally within the Department of Computing and Information Systems.
Prescribed Texts:	None
Breadth Options:	This subject is not available as a breadth subject.
Fees Information:	Subject EFTSL, Level, Discipline & Census Date, http://enrolment.unimelb.edu.au/fees
Generic Skills:	On completion of the sequence of Research Project subjects, students should have developed the following generic skills: # Have the ability to demonstrate advanced independent critical enquiry, analysis and reflectionhave a strong sense of intellectual integrity and the ethics of scholarship # Have in-depth knowledge of their specialist discipline(s) # Reach a high level of achievement in writing, project activities, problem-solving and communication # Becritical and creative thinkers, with an aptitude for continued self-directed learning # Beable to examine critically, synthesise and evaluate knowledge across a broad range of disciplines # Have a set of flexible and transferable skills for different types of employment
Related Course(s):	Bachelor of Computer Science (Honours) Master of Science (Computer Science)