

COMP90028 Information Technology Research Project

Credit Points:	25						
Level:	9 (Graduate/Postgraduate)						
Dates & Locations:	2015, 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: Regular contact of at least one hour per week with project supervisor. Total Time Commitment: 400 hours						
Prerequisites:	<p>Completion of 50 points of graduate level Computing and Information Systems subjects with an average mark of at least 70%, and permission from the course and subject coordinators. The 50 points excludes:</p> <ul style="list-style-type: none"> # COMP90007 Internet Technologies # COMP90038 Algorithms and Complexity # COMP90041 Programming and Software Development # SINF90001/INFO90002 Database Systems and Information Modelling. <p>Students should negotiate a project topic with a project supervisor well before the start of each semester. Students should then prepare a proposal to present their case to enrol to the subject and also to document the project timeline and details.</p> <p>Students need to obtain the approval of the degree coordinator on their proposal by the first week of the semester to be able to enrol to this subject.</p>						
Corequisites:	None						
Recommended Background Knowledge:	None						
Non Allowed Subjects:	<p>433 699 Minor Research Project 433 690 Information Technology Project</p> <table border="1"> <thead> <tr> <th>Subject</th> <th>Study Period Commencement:</th> <th>Credit Points:</th> </tr> </thead> <tbody> <tr> <td>COMP90030 Minor Research Project</td> <td>Semester 1, Semester 2</td> <td>25</td> </tr> </tbody> </table>	Subject	Study Period Commencement:	Credit Points:	COMP90030 Minor Research Project	Semester 1, Semester 2	25
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Core Participation Requirements:	<p><p>For the purposes of considering request for Reasonable Adjustments under the Disability Standards for Education (Cwth 2005), and Student Support and Engagement Policy, academic requirements for this subject are articulated in the Subject Overview, Learning Outcomes, Assessment and Generic Skills sections of this entry.</p> <p>It is University policy to take all reasonable steps to minimise the impact of disability upon academic study, and reasonable adjustments will be made to enhance a student's participation in the University's programs. Students who feel their disability may impact on meeting the requirements of this subject are encouraged to discuss this matter with a Faculty Student Adviser and Student Equity and Disability Support: http://services.unimelb.edu.au/disability</p></p>						
Coordinator:	Prof James Bailey						
Contact:	email: baileyj@unimelb.edu.au (mailto:baileyj@unimelb.edu.au)						
Subject Overview:	AIMS						

	<p>Students undertake a research investigation under the supervision of a member of the academic staff and in the context of one of the departmental research groups.</p> <p>INDICATIVE CONTENT</p> <p>As a research subject, content is different for each student. Common content includes research methodology, literature search, and scientific writing, and giving scientific presentations.</p>
Learning Outcomes:	<p>INTENDED LEARNING OUTCOMES (ILO)</p> <p>The purpose of this subject is to allow students to get some research experience by studying a selected topic in detail under the supervision of a member of academic staff. The subject will provide research training and skills in:</p> <ol style="list-style-type: none"> 1 Problem analysis 2 Design and development of complex software systems
Assessment:	<p>8000 - 10000 word research report, due in the second week of the examination period, requiring 230-240 hours of work (90%) One 20 minute presentation, including answering audience questions of the work or demonstration of a working system, given in week 12, requiring approximately 25-30 hours of work (10%) The research report will present an introduction to the field of research and the topic addressed, explain the work undertaken in this project, relate the work to previous work in the field, and explain the significance of the results Intended Learning Outcomes (ILOs) 1 and 2, and generic skills 1, 2 and 3 are addressed as part of the supervision process. Generic skill 4 is addressed by the final report and skill 5 is assessed by the final presentation.</p>
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:	<p>On completion of this subject students should have the following skills:</p> <ul style="list-style-type: none"> # Be able to undertake problem identification, formulation and solution # Have a capacity for independent critical thought, rational inquiry and self-directed learning # Have a profound respect for truth and intellectual integrity, and for the ethics of scholarship # Be able to present work in written form; and # Be able to present work orally and answer questions about it.
Notes:	<p>LEARNING AND TEACHING METHODS</p> <p>This is purely a research subject. There are two lectures of up to one hour duration covering the running of the subject and on how to give a research presentation. Additionally there are individual meetings with an academic supervisor of at least 12 hours over the semester to provide readings, give feedback on the student's work and guide research direction.</p> <p>INDICATIVE KEY LEARNING RESOURCES</p> <p>The key learning resource for this subject is one-on-one academic guidance.</p> <p>CAREERS / INDUSTRY LINKS</p> <p>Individual projects may have some industry involvement. The skills of carrying out independent research, writing reports, and preparing and giving presentations are valued in industry.</p>