

COMP90019 Distributed Computing Project

Credit Points:	25								
Level:	9 (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: Regular contact (at least once a week) with the project supervisor. Total Time Commitment: Non-contact time: 260 hours.								
Prerequisites:	<table border="1"> <thead> <tr> <th>Subject</th> <th>Study Period Commencement:</th> <th>Credit Points:</th> </tr> </thead> <tbody> <tr> <td>COMP90015 Distributed Systems</td> <td>Semester 1, Semester 2</td> <td>12.50</td> </tr> </tbody> </table> <p>AND three other subjects at a Graduate level.</p>			Subject	Study Period Commencement:	Credit Points:	COMP90015 Distributed Systems	Semester 1, Semester 2	12.50
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COMP90015 Distributed Systems	Semester 1, Semester 2	12.50							
Corequisites:	None								
Recommended Background Knowledge:	None								
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:	Prof Rajkumar Buyya								
Contact:	Dr Adrian Pearce email: adrianrp@unimelb.edu.au (mailto:adrianp@unimelb.edu.au)								
Subject Overview:	The project involves both in-depth investigation of a relevant topic, related works, and development a significant and functional component of a distributed system and/or application. Each student selects a research and development project in consultation in an appropriate academic or research staff working in the area of distributed systems and applications and carries out the work under his/her supervision. It is also possible for a group of two or three students to undertake a project that requires the development of a large distributed system or application. However, each student contribution must be distinct and clearly identified as that forms a basis of each student's evaluation. The project is to be completed in one semester although we encourage students to exchange ideas with supervisors in the previous semester. Students are also encouraged to carry out the project in industry with joint industry-academic supervision.								
Objectives:	On successful completion students should have: # Developed an understanding of issues involved in conceptualisation, design, and development of large-scale distributed systems and applications driven by emerging Internet, Web, and Grid technologies								
Assessment:	Term paper and presentation on a project topic during the semester (10%) Project research and development work during semester (60%) And a detailed written project report containing								

	review report on related works, architecture, design, implementation, and comprehensive evaluation by clearly highlighting key contributions (3,000 words) at the end of the semester (30%) All components must be completed satisfactorily to pass the subject.
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:</p> <ul style="list-style-type: none"> # Have the ability to function effectively as an individual and in multi-disciplinary and multi-cultural teams, with the capacity to be a leader or manager as well as an effective team member # Be able to undertake problem identification, formulation and solution # Have a capacity for independent critical thought, rational inquiry and self-directed learning; and # Have a profound respect for truth and intellectual integrity, and for the ethics of scholarship
Related Course(s):	Bachelor of Computer Science (Honours) Master of Engineering in Distributed Computing