

433-659 Distributed Computing Project

Credit Points:	25.00
Level:	9 (Graduate/Postgraduate)
Dates & Locations:	2009, This subject commences in the following study period/s: Semester 1, - Taught on campus. Semester 2, - Taught on campus.
Time Commitment:	Contact Hours: regular contact (at least once a week) with the project supervisor; Non-contact time commitment: 260 hours Total Time Commitment: Not available
Prerequisites:	433-652: Distributed Systems and three other subjects at level 6.
Corequisites:	None
Recommended Background Knowledge:	None
Non Allowed Subjects:	None
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><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> </p>
Coordinator:	Dr Lars Kulik, Prof Rajkumar Buyya
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 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:	On completion of this subject students should: <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):	Master of Engineering in Distributed Computing