433-652 Distributed Systems

Credit Points:	12.500
Level:	Graduate/Postgraduate
Dates & Locations:	2008, This subject commences in the following study period/s: Semester 1, - Taught on campus. Semester 2, - Taught on campus.
Time Commitment:	Contact Hours: 24 hours of lectures, 12 hours of tutorial/laboratory classes; Non-contact time commitment: 84 hours Total Time Commitment: Not available
Prerequisites:	433-520 : Programming and Software Development 433-521 : Algorithms and Complexity 433-522 : Internet Technologies or equivalent subjects
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 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. 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
Coordinator:	Dr. Raj Buyya
Subject Overview:	Topics covered include: introduction, principles and paradigms, design issues, communication, processes, naming, synchronization, consistency and replication, fault tolerance, and security issues in distributed systems and applications; distributed computing environments and standard toolkits, case studies in distributed systems and applications.
Assessment:	Project work of approx. 36 hours during semester (40%) and a 3-hour written examination (60%). Both 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 successful completion, students should have an understanding of: # the principles and paradigms underlying distributed systems software and applications.
Related Course(s):	Master of Engineering in Distributed Computing Master of Information Technology Master of Information Technology Master of Software Systems Engineering