

## 433-652 Distributed Systems

<b>Credit Points:</b>	12.50
<b>Level:</b>	9 (Graduate/Postgraduate)
<b>Dates &amp; Locations:</b>	2009, This subject commences in the following study period/s: Semester 1, - Taught on campus. Semester 2, - Taught on campus.
<b>Time Commitment:</b>	Contact Hours: 24 hours of lectures, 12 hours of tutorial/laboratory classes; Non-contact time commitment: 84 hours Total Time Commitment: Not available
<b>Prerequisites:</b>	# 433-520 : Programming and Software Development # 433-521 : Algorithms and Complexity # 433-522 : Internet Technologies # or equivalent subjects
<b>Corequisites:</b>	None
<b>Recommended Background Knowledge:</b>	None
<b>Non Allowed Subjects:</b>	None
<b>Core Participation Requirements:</b>	<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: <a href="http://services.unimelb.edu.au/disability">http://services.unimelb.edu.au/disability</a></p>
<b>Coordinator:</b>	Dr Aaron Harwood, Dr Srikumar Venugopal
<b>Subject Overview:</b>	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.
<b>Objectives:</b>	On successful completion, students should have an understanding of the principles and paradigms underlying systems software and applications.
<b>Assessment:</b>	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.
<b>Prescribed Texts:</b>	None
<b>Breadth Options:</b>	This subject is not available as a breadth subject.
<b>Fees Information:</b>	Subject EFTSL, Level, Discipline & Census Date, <a href="http://enrolment.unimelb.edu.au/fees">http://enrolment.unimelb.edu.au/fees</a>
<b>Generic Skills:</b>	On completion of this subject students should: <ul style="list-style-type: none"> <li># be able to undertake problem identification, formulation and solution;</li> <li># have a capacity for independent critical thought, rational inquiry and self-directed learning; and</li> <li># have a profound respect for truth and intellectual integrity, and for the ethics of scholarship.</li> </ul>
<b>Related Course(s):</b>	Master of Engineering in Distributed Computing

Master of Information Technology  
Master of Software Systems Engineering