COMP90015 Distributed Systems

Credit Points:	12.50			
Level:	9 (Graduate/Postgraduate)			
Dates & Locations:	This subject is not offered in 2011.			
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:	The prerequisites are:			
	Subject	Study Period Commencement:	Credit Points:	
	COMP90041 Programming and Software Development	Not offered 2011	12.50	
	COMP90038 Algorithms and Complexity	Not offered 2011	12.50	
	COMP90007 Internet Technologies	Not offered 2011	12.50	
	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 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/			
Contact:	Dr Adrian Pearce email: adrianrp@unimelb.edu.au (mailto:adrianp@unimelb.edu.au)			
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.			
Objectives:	On completion of this ssubject students should:			
	# Have an understanding of the principles and paradigms underlying distributed software systems.			
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			
	On completion of this subject students should: # Be able to undertake problem identification, formulation and solution			

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Related Majors/Minors/ Specialisations:	Master of Engineering (Software)	
Related Course(s):	Bachelor of Computer Science (Honours) Master of Engineering in Distributed Computing Master of Science (Computer Science) Master of Software Systems Engineering Postgraduate Certificate in Engineering	
	 # 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 	

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