COMP90007 Internet Technologies

Credit Points:	12.50
Level:	9 (Graduate/Postgraduate)
Dates & Locations:	This subject is not offered in 2011.
Time Commitment:	Contact Hours: 3 hours per week; Non-contact time commitment: 84 hours Total Time Commitment: Not available
Prerequisites:	None
Corequisites:	None
Recommended Background Knowledge:	Basic proficiency in mathematics and computing.
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: **adrianp@unimelb.edu.au** (mailto:adrianp@unimelb.edu.au)
Subject Overview:	Topics covered include: Introduction to Internet, OSI reference model layers, protocols and services, data transmission basics, interface standards, network topologies, data link protocols, message routing, LANs, WANs, TCP/IP suite, detailed study of common network applications (e.g., email, news, FTP, Web), network management, current and future developments in network hardware and protocols.
Objectives:	On successful completion students should: # Have developed an understanding of network technologies and applications # Be able to demonstrate proficiency in internet working and its management # Be able to undertake problem identification, formulation and solution
Assessment:	Project work during semester expected to take approximately 36 hours (40%) and one written examination not exceeding 3-hours at the end of the semester (60%). Details of assessment components will be advised at the commencement of the subject. Both components must be completed satisfactorily to pass the subject.
Prescribed Texts:	Computer Networks, 4th edition, Andrew S. Tanenbaum, Prentice Hall
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: # 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 Master of Information Technology

Postgraduate Certificate in Engineering

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