

COMP90007 Internet Technologies

Credit Points:	12.50
Level:	9 (Graduate/Postgraduate)
Dates & Locations:	This subject is not offered in 2013.
Time Commitment:	Contact Hours: 3 hours per week Total Time Commitment: 120 hours
Prerequisites:	None
Corequisites:	None
Recommended Background Knowledge:	Basic proficiency in mathematics and computing.
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>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>
Contact:	email: stern@unimelb.edu.au (mailto:stern@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:	<p>On completion of the subject students should:</p> <ul style="list-style-type: none"> # 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%) One examination not exceeding 3-hours in the examination period (60%) Details of assessment components will be advised at the commencement of the subject. Hurdle Requirement: Both components must be completed satisfactorily to pass the subject.
Prescribed Texts:	Tanenbaum, Andrew S. Computer Networks, 4th edition, 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:	<p>On completion of this subject students should:</p> <ul style="list-style-type: none"> # Be able to undertake problem identification, formulation and solution # Have a capacity for independent critical thought, rational inquiry and self-directed learning # 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 Master of Information Technology Master of Information Technology Master of Philosophy - Engineering Ph.D.- Engineering Postgraduate Certificate in Engineering