ISYS90048 Information Technology Infrastructure

Credit Points:	12.50
Level:	9 (Graduate/Postgraduate)
Dates & Locations:	This subject is not offered in 2011. Lectures
Time Commitment:	Contact Hours: 36 hours over the semester (block mode) Total Time Commitment: 10 hours per week, 120 hours in total
Prerequisites:	None
Corequisites:	None
Recommended Background Knowledge:	None
Non Allowed Subjects:	None
Core Participation Requirements:	It is University policy to take all reasonable steps to minimise the impact of disability upon academic study and reasonable steps will be made to enhance a student's participation in the University's programs. Students who feel their disability may impact upon their active and safe participation in a subject are encouraged to discuss this with the relevant subject coordinator and the Disability Liaison Unit.
Contact:	Email: ckeen@unimelb.edu.au
Subject Overview:	This subject provides participants with an understanding of the current issues in the design and management of Information and Communication Technology (ICT) infrastructure and service provision. The current impacts of the convergence, commoditisation and standardisation of ICT will be covered, as well as concepts, architectures, relevant standards, policies and security considerations for the design, implementation and management of ICT infrastructures and service provision. Managerial aspects will include the consideration of organisational issues in the design of ICT infrastructures, and the preparation, review and evaluation of ICT infrastructure design and administration reports. Participants will become familiar with managerial approaches to the administration of organisation-wide ICT infrastructure, and the alignment of that infrastructure and service provision with an organisation's business and strategic goals.
Objectives:	Upon completion of this subject, students should be able to: • Describe current issues in the convergence, commoditisation and standardisation of ICT technologies and infrastructures; • Describe a range of managerial issues related to the development and maintenance of interoperability in open systems design of ICT infrastructures; • Understand the principles underlying layered systems architectures and service virtualisation, and their application to ICT infrastructures; • Demonstrate awareness of ICT control and service governance frameworks in managing an enterprise ICT infrastructure; • Explain how national and global standards organisations influence ICT infrastructure standards and regulations, and may impact on future ICT developments; and • Describe appropriate processes for the acquisition and deployment of ICT infrastructure and associated services.
Assessment:	A 2,500 word proposal report, due early semester (30%); a 2,500 word evaluation report, due mid semester (30%); a 24-hour, limited time assignment, due end semester (40%).
Prescribed Texts:	A range of readings will be provided during the course, including current articles and reports.
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:	Students should develop skills in literature search and analysis, critical thinking and independent learning.
Links to further information:	http://www.dis.unimelb.edu.au/current/postgrad/subjects/index.html
Related Course(s):	Bachelor of Information Systems (Degree with Honours) Graduate Certificate in Information Systems Master of Information Systems Master of Information Systems Master of Information Systems Master of Science (Information Systems)