ISYS90009 Systems Engineering for Security

Credit Points:	12.50
Level:	9 (Graduate/Postgraduate)
Dates & Locations:	2011, Hawthorn This subject commences in the following study period/s: Semester 1, Hawthorn - Taught on campus. Semester 2, Hawthorn - Taught on campus. See www.mccp.unimelb.edu.au for delivery details
Time Commitment:	Contact Hours: 24 hours of face-to-face contact over an eight-week semester plus at least eight hours of pre-seminar reading. Total Time Commitment: It is anticipated that students will need to allocate around 80 hours to undertake the assessable components of the subject to be completed in the three months encompassing the eight-week semester.
Prerequisites:	Prerequisites

Subject	Study Period Commencement:	Credit Points:
ISYS90003 e-Security Technologies	Semester 1, Semester 2	12.50

Corequisites:	nil
Recommended Background Knowledge:	nil
Non Allowed Subjects:	nil
Core Participation Requirements:	For the purposes of considering requests 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:	Melbourne Consulting and Custom Programs Level 3, 442 Auburn Rd Hawthorn VIC 3122 Phone: 9810 3148 Email: **mccp.enquiries@mccp.unimelb.edu.au** **(mailto:mccp.enquiries@mccp.unimelb.edu.au)**
Subject Overview:	Please note: this subject is currently closed and MCCP is not accepting enrolments. The last intake into this subject was Sem 2, 2010. This subject is designed to provide students with a grounding in the development, deployment, operation and maintenance of secure systems. Topics covered in this unit include: • System lifecycles; • Holistic system design encompassing hardware, software and policy; • Design for security; • Design for reliability; and • Impact of system design on forensics.
Objectives:	Students who successfully complete this subject will have demonstrated an understanding of: • Lifecycle involved in developing, deploying and maintaining a system • System design for security • Common design faults leading to vulnerability
Assessment:	Two written assignments and a practical exam totalling 6000 words.

Prescribed Texts:	nil
Recommended Texts:	Ross Anderson, Security Engineering: A Guide to Building Dependable Distributed Systems, Wiley, 2001 is recommended.
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:	Please refer to MCCP website.
Links to further information:	http://www.mccp.unimelb.edu.au/courses/award-courses/masters/e-forensics-enterprise-security
Related Course(s):	Master of e-Forensics and Enterprise Security