

ISYS90036 Enterprise Systems

Credit Points:	12.50
Level:	9 (Graduate/Postgraduate)
Dates & Locations:	2012, Parkville This subject commences in the following study period/s: Semester 1, Parkville - Taught on campus. Lectures.
Time Commitment:	Contact Hours: 3 hours per week (including lectures and discussion sessions) Total Time Commitment: 10 hours per week during the 12 teaching weeks of semester, plus study for examination. The students are expected to devote about 10 hours per week to this subject. In addition to attending the weekly 3-hour classes, students are expected to spend approximately 7 hours each week on reading, preparing for classes, and completing assignments.
Prerequisites:	Students who are enrolled in the two year 200 point Master of Information Systems must have completed 50 points of study to enrol in this subject.
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.
Coordinator:	Prof Peter Seddon
Contact:	Prof Peter Seddon Email: p.seddon@unimelb.edu.au (mailto:p.seddon@unimelb.edu.au)
Subject Overview:	<p>Organizations around the world are increasingly turning to packaged enterprise application software vendors to provide computer-based applications to support their core business processes. Twenty years ago most such computer-based information systems were custom built. Today, most core systems are built around packaged software. The generic name for the suite of packaged-software-based systems such as Enterprise Resource Planning (ERP), Customer Relationship Management (CRM) and Supply Chain Management (SCM) systems is Enterprise Systems.</p> <p>In this subject we explore the enterprise systems phenomenon in considerable detail. Our goal is to understand the advantages and limitations of enterprise systems, how best to implement packaged enterprise application software (PEAS), and future directions that PEAS are likely to head as vendors respond to market pressures for integration between heterogenous information systems. Students will normally undertake approximately 20 hours of hands-on exercises with software from a leading vendor, SAP.</p> <p>This subject provides students with an understanding of the nature of enterprise systems and their implementation within organizations. Topics include: Introduction to Enterprise Systems, Implementing Enterprise Systems, Benefits from Enterprise Systems, Organizational Issues with Enterprise Systems, Future Issues for Enterprise Systems.</p>
Objectives:	At the conclusion of this subject students should have:

	<ul style="list-style-type: none"> # a good understanding of the capabilities of enterprise-wide ICT-based application software, e.g., enterprise resource planning (ERP), customer relationship management (CRM), supply chain management (SCM); # an appreciation of the factors that need to be managed if enterprise-wide software is to be implemented on time, within budget, and produce on-going benefits for its host organization; # a sense of the likely direction of technological innovations such as services-oriented architecture (SOA) and high-performance analytic appliances (HANA) on future enterprise system architectures; # a good working knowledge of the core functionality provided by one of the most popular enterprise application software packages, SAP ERP.
Assessment:	A group class presentation and assignment, (due date determined early in the semester; (10%); a individual assignments due at the end week 3 (10%); week 8 (20%), week 10 (20%) of semester (each approximately 2000 words), and; a 2-hour written examination in the examination period (40%). The examination must be passed to pass the subject).
Prescribed Texts:	ISYS90036 Enterprise Systems Subject Notes, 2012
Recommended Texts:	Readings are listed in the Subject Notes and available online.
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:	The key generic skill that students will develop in this subject is argument analysis. The ability to identify arguments and evaluate the evidence that authors provide to support their arguments - use of the so-called "scientific method" - is one of the most important skills a person can develop. It is what has enabled human beings to progress from living in caves to living in the increasingly complex and prosperous world in which we live today. Additionally, students will also improve skills in oral and written communication, and in the application of theory to practice.
Links to further information:	http://www.cis.unimelb.edu.au
Related Course(s):	Bachelor of Information Systems (Degree with Honours) Master of Information Systems Master of Information Systems Master of Information Systems Master of Operations Research and Management Science Master of Science (Information Systems)