ISYS20006 Shaping the Enterprise with ICT

Credit Points:	12.50
Level:	2 (Undergraduate)
Dates & Locations:	This subject is not offered in 2014.
Time Commitment:	Contact Hours: 36 hours, comprising of two 1-hour lectures and one 1-hour tutorial per week Total Time Commitment: 170 hours
Prerequisites:	One of the following:

Subject	Study Period Commencement:	Credit Points:
ISYS10001 Foundations of Information Systems	Semester 2	12.50
COMP10001 Foundations of Computing	Semester 1, Semester 2	12.50
ACCT10003 Accounting Processes and Analysis	Semester 1, Semester 2	12.50
INFO10001 Informatics 1: Data on the Web	Not offered 2014	12.50

Or achieving 75% in the Programming Competency Test

Corequisites:	None
Recommended Background Knowledge:	None
Non Allowed Subjects:	# 615-260 Enterprise Systems (prior to 2009)
Core Participation Requirements:	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. 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
Contact:	Email: **sherahk@unimelb.edu.au (mailto:sherahk@unimelb.edu.au)**
Subject Overview:	**Aims** This breadth subject is intended to help students understand (a) what packaged enterprise application software (PEAS) is, (b) how such software is implemented, and (c) how organizations can maximize benefits from their often-large investments in PEAS. By “PEAS”, we refer to packaged-software-based systems such as Enterprise Resource Planning (ERP), Customer Relationship Management (CRM), Supply Chain Management (SCM), and Business-Intelligence (BI) systems. These systems are important because most organizations around the world today rely on such systems to support their core business processes. **Indicative Content** The subject discusses (a) what enterprise-systems software is, (b) claimed advantages and limitations of enterprise systems, (c) how best to implement packaged enterprise application software (PEAS), (d) future directions that PEAS are likely to head as vendors respond to market pressures for integration between heterogeneous information systems, cloud computing, greater access from mobile devices, and demand for more information faster than ever before, and (e) things organizations need to do to try to maximize benefits from their often-large investments in packaged enterprise application software (PEAS). Students will normally

	undertake approximately 10-15 hours of hands-on exercises with software from a leading vendor, SAP.
Learning Outcomes:	**Intended Learning Outcomes (ILO)** On completion of this subject the student is expected to: 1 Have 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); 2 Have 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; 3 Have an understanding of the likely direction and impact of PEAS-related technological innovations such as in-memory databases, mobile computing, and business intelligence on future enterprise-system architectures; 4 Have a good working knowledge of the core functionality provided by one of the most popular enterprise application software packages, SAP ERP.
Assessment:	One ongoing assignment, with deliverables throughout the semester (10%, 750 words), primarily supporting Intended Learning Outcomes (ILOs) 1, 2, and 3 An individual assignment due mid semester (20%, 1000 words), primarily supporting ILOs 1 and 4 A group assignment of size 3 due at the beginning of week 12 (20%, 2000 words), primarily supporting ILO2 One 2-hour examination held in the examination period (50%), primarily supporing ILOs 1, 2 and 3. Hurdle Requirement: The examination must be passed to pass the subject
Prescribed Texts:	None
Recommended Texts:	Motiwalla, L. and Thompson, J. (2012), Enterprise Systems for Management, 2 nd Edition, Pearson.
Breadth Options:	This subject potentially can be taken as a breadth subject component for the following courses: # **Bachelor of Arts (https://handbook.unimelb.edu.au/view/2014/B-ARTS)** # **Bachelor of Biomedicine (https://handbook.unimelb.edu.au/view/2014/B-BMED)** # **Bachelor of Commerce (https://handbook.unimelb.edu.au/view/2014/B-COM)** # **Bachelor of Environments (https://handbook.unimelb.edu.au/view/2014/B-ENVS)** # **Bachelor of Music (https://handbook.unimelb.edu.au/view/2014/B-MUS)** # **Bachelor of Science (https://handbook.unimelb.edu.au/view/2014/B-SCI)** # **Bachelor of Engineering (https://handbook.unimelb.edu.au/view/2014/B-ENG)** You should visit **learn more about breadth subjects (http://breadth.unimelb.edu.au/breadth/info/index.html)** and read the breadth requirements for your degree, and should discuss your choice with your student adviser, before deciding on your subjects.
Fees Information:	Subject EFTSL, Level, Discipline & Census Date, http://enrolment.unimelb.edu.au/fees
Generic Skills:	On completion of this subject, students should have developed the following generic skills: # Students will improve skills in oral and written communication # Students will develop skills in argument analysis
Notes:	Students undertaking this subject will be expected to regularly access an internet-enabled computer. A general understanding of the objectives of database systems would be an advantage. **Learning and Teaching Methods** The subject is delivered in three one-hour classes per week. Two of the three classes each week will be lectures. One class each week will be a tutorial. Outside class, students will study theory and cases through reading and continuing their group activities. **Indicative Key Learning Resources**

	The key subject “handout”, including details of assignment and questions for discussion, will be available online from LMS. Key articles will be available online via the university library. Exercises for hands-on use of SAP ERP will be available online. Students will be provided with an account on an SAP ERP system sourced from the SAP-supported University Competency Centre at QUT. Lectures will be audio recorded via Lecture Capture and made available online. **Careers/Industry Links** This subject is relevant to careers as business analysts, IT managers, and consultants. Since almost all large organizations today have implemented enterprise systems, and such systems are constantly being upgraded, there is a large on-going demand for people with knowledge of this topic from both consulting and user organizations. Students will work on real-world cases of organisations attempting to maximize benefits from their use of enterprise systems. There will normally be at least one guest lecture from an invited industry practitioner.
Related Breadth Track(s):	Information Technology in Organisations