

# ISYS90036 Enterprise Systems

<b>Credit Points:</b>	12.50						
<b>Level:</b>	9 (Graduate/Postgraduate)						
<b>Dates &amp; Locations:</b>	This subject is not offered in 2014.						
<b>Time Commitment:</b>	Contact Hours: 36 hours, comprising of one 3-hour seminar per week Total Time Commitment: 200 hours						
<b>Prerequisites:</b>	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.						
<b>Corequisites:</b>	None						
<b>Recommended Background Knowledge:</b>	None						
<b>Non Allowed Subjects:</b>	<table border="1"> <thead> <tr> <th>Subject</th> <th>Study Period Commencement:</th> <th>Credit Points:</th> </tr> </thead> <tbody> <tr> <td>ISYS20006 Shaping the Enterprise with ICT</td> <td>Semester 1</td> <td>12.50</td> </tr> </tbody> </table>	Subject	Study Period Commencement:	Credit Points:	ISYS20006 Shaping the Enterprise with ICT	Semester 1	12.50
Subject	Study Period Commencement:	Credit Points:					
ISYS20006 Shaping the Enterprise with ICT	Semester 1	12.50					
<b>Core Participation Requirements:</b>	<p>&lt;p&gt;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.&lt;/p&gt; &lt;p&gt;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: &lt;a href="http://services.unimelb.edu.au/disability"&gt;http://services.unimelb.edu.au/disability&lt;/a&gt;&lt;/p&gt;</p>						
<b>Contact:</b>	email: <a href="mailto:sherahk@unimelb.edu.au">sherahk@unimelb.edu.au</a> ( <a href="mailto:sherahk@unimelb.edu.au">mailto:sherahk@unimelb.edu.au</a> )						
<b>Subject Overview:</b>	<p><b>Aims</b></p> <p>This subject is intended to help students understand (a) what in 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 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.</p> <p>This subject is offered as an elective subject primarily for students in the final year of the Masters in Information Systems.</p> <p><b>Indicative Content</b></p> <p>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.</p>						
<b>Learning Outcomes:</b>	<b>Intended Learning Outcomes (ILO)</b>						

	<p>On completion of this subject the student is expected to:</p> <ol style="list-style-type: none"> <li>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);</li> <li>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;</li> <li>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;</li> <li>4 Have a good working knowledge of the core functionality provided by one of the most popular enterprise application software packages, SAP ERP.</li> </ol>
<b>Assessment:</b>	<p>One group class presentation and assignment, due date determined early in the semester (10%), primarily supporting Intended Learning Outcome (ILO) 2 and generic skill 1. Average group size will be determined by the formula <math>n/16</math>, where n is the number of students enrolled in the subject  An individual assignment due at the end of week 3 (10%, 750 words), primarily supporting ILO2  An individual assignment due at the end of week 8 (20%, 1,000 words), primarily supporting ILOs 1 and 4  An individual assignment due at the end of week 10 (20%, 1,500 words), primarily supporting ILO2  One 2-hour examination held in the examination period (40%)  Hurdle Requirement: The examination must be passed to pass the subject</p>
<b>Prescribed Texts:</b>	None
<b>Recommended Texts:</b>	Readings are listed in the Subject Notes and available online.
<b>Breadth Options:</b>	This subject is not available as a breadth subject.
<b>Fees Information:</b>	Subject EFTSL, Level, Discipline & Census Date, <a href="http://enrolment.unimelb.edu.au/fees">http://enrolment.unimelb.edu.au/fees</a>
<b>Generic Skills:</b>	<p>On completion of this subject, students should have developed the following generic skills:</p> <ul style="list-style-type: none"> <li># Argument analysis, i.e., the ability to identify arguments and evaluate the evidence that authors provide to support their arguments. Argument analysis is one of the most important skills a person can develop.</li> <li># Oral and written communication.</li> </ul>
<b>Links to further information:</b>	<a href="http://www.cis.unimelb.edu.au">http://www.cis.unimelb.edu.au</a>
<b>Notes:</b>	<p><b>Learning and Teaching Methods</b></p> <p>The subject is delivered in 3-hour classes, with each class containing two lectures on theoretical concepts, and a class discussion or student presentations on a research paper related to the current lecture topic. Outside class, students will study theory and complete exercises designed to increase understanding of what enterprise systems are, and the way that they can contribute value to organizations.</p> <p><b>Indicative Key Learning Resources</b></p> <p>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.</p> <p><b>Careers/Industry Links</b></p> <p>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 be one or two lectures from invited practitioners from industry.</p>
<b>Related Course(s):</b>	Master of Engineering Management

Master of Engineering Management  
Master of Information Systems  
Master of Information Systems  
Master of Information Systems  
Master of Information Technology  
Master of Information Technology  
Master of Operations Research and Management Science  
Master of Philosophy - Engineering  
Master of Science (Information Systems)  
Ph.D.- Engineering