

## ISYS90049 Process Analysis Modelling and Design

<b>Credit Points:</b>	12.50
<b>Level:</b>	9 (Graduate/Postgraduate)
<b>Dates &amp; Locations:</b>	2013, Parkville This subject commences in the following study period/s: Semester 2, Parkville - Taught on campus.
<b>Time Commitment:</b>	Contact Hours: 36 hours. Semester 1: 3 hours per week. Semester 2: 36 hours in block mode. Total Time Commitment: 120 hours
<b>Prerequisites:</b>	None
<b>Corequisites:</b>	None
<b>Recommended Background Knowledge:</b>	None
<b>Non Allowed Subjects:</b>	None
<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>Coordinator:</b>	Dr Rachelle Bosua
<b>Contact:</b>	Dr Simon Milton. Email: <a href="mailto:similton@unimelb.edu.au">similton@unimelb.edu.au</a> (mailto:simon.milton@unimelb.edu.au)
<b>Subject Overview:</b>	<p>This subject introduces the fundamental business analysis processes to identify information systems requirements, leading to the specification and design of information systems or the selection of commercial off-the-shelf packages to support business processes. Students will gain experience in the tools and techniques for the initial stages of these analysis and design cycles.</p> <p>Topics will include analysis tools and techniques, data and process modelling and systems development methodologies.</p>
<b>Objectives:</b>	<p>At the completion of this subject students should be able to:</p> <ul style="list-style-type: none"> <li># Describe and apply requirements gathering techniques</li> <li># Use appropriate modelling techniques to best understand a business context and need for an information system</li> <li># Write reports documenting information systems requirements</li> <li># Select and justify using a systems development methodology to solve a business problem</li> <li># Initiate a case that justifies the purchase of commercial off-the-shelf (COTS) packages</li> </ul>
<b>Assessment:</b>	Group assessment: One 25 page report, due mid semester (35%) One 20 page report, due end of semester (30%) Two 15-minute oral presentations, due Seminar 6 & Seminar 12 (15%)

	Individual assessment: Two written critique of reports, due mid semester and end of semester (10%) Bonus marks for critiques (10%)
<b>Prescribed Texts:</b>	Avison, D. and Fitzgerald, G. 2006 Information Systems Development: Methodologies, Techniques and Tools, McGraw-Hill
<b>Recommended Texts:</b>	A reading pack will be made available.
<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>Students should have honed generic skills such as:</p> <ul style="list-style-type: none"> <li># Clear thinking</li> <li># Improved reading and writing</li> <li># Enhanced ability to work in a team</li> <li># Presentation skills</li> </ul>
<b>Links to further information:</b>	<a href="http://www.cis.unimelb.edu.au">www.cis.unimelb.edu.au</a>
<b>Related Course(s):</b>	Graduate Certificate in Information Systems Master of Information Systems Master of Information Systems Master of Philosophy - Engineering Master of Science (Information Systems) Ph.D.- Engineering Postgraduate Certificate in Information Systems Postgraduate Diploma in Information Systems