

ISYS90049 Process Analysis Modelling and Design

Credit Points:	12.5
Level:	9 (Graduate/Postgraduate)
Dates & Locations:	2015, Parkville This subject commences in the following study period/s: Semester 1, Parkville - Taught on campus. Semester 2, Parkville - Taught on campus.
Time Commitment:	Contact Hours: 3 hours per week comprising a plenary session (of up to 2 hours) and a smaller breakout session (of up to 2 hours) Total Time Commitment: 200 hours
Prerequisites:	None
Corequisites:	None
Recommended Background Knowledge:	None
Non Allowed Subjects:	None
Core Participation Requirements:	<p><p>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.</p> <p>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</p></p>
Coordinator:	Assoc Prof Simon Milton, Dr Rachele Bosua
Contact:	email: smilton@unimelb.edu.au (mailto:smilton@unimelb.edu.au)
Subject Overview:	<p>Aims</p> <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>This subject is in the lower core of the Master of Information Systems program but is valuable for anyone wanting to learn about business analysis leading to capitalising on technology use in business processes.</p> <p>Indicative Content</p> <p>Topics include requirements gathering tools and techniques, information and process modelling, and systems development methodologies.</p> <p>Examples of projects that students complete are:</p> <ul style="list-style-type: none"> # A requirements report analysing a business process # A report to recommend ways forward for improving the situation analysed in the requirements report # Critiques of reports

Learning Outcomes:	<p>Intended Learning Outcomes (ILOs)</p> <p>On completion of this subject the student is expected to:</p> <ol style="list-style-type: none"> 1 Describe and apply requirements gathering techniques 2 Use appropriate modelling techniques to best understand a business context and need for an information system 3 Write and criticise reports documenting information systems requirements 4 Select and justify using a systems development methodology to solve a business problem 5 Initiate a case that justifies the purchase of commercial off-the-shelf (COTS) packages
Assessment:	<p>Group assessment (groups of four or five): One 4,500 word report, due mid semester (35%), approximately 45-50 hours of work per student. Addresses Intended Learning Outcomes (ILOs) 1, 2 and 3. One 3,500 word report, due end of semester (30%), approximately 35-40 hours of work per student. Addresses ILOs 2, 3, 4 and 5. One 10-minute oral presentation of the second report, due Seminar 12 (5%), approximately 5-10 hours of work per student. Individual assessment: Two written critique of reports, due mid semester and end of semester of 1000 words each (30%), approximately 45-50 hours of work. Addresses ILO 3</p>
Prescribed Texts:	<p>Avison, D. and Fitzgerald, G. 2006 Information Systems Development: Methodologies, Techniques and Tools, McGraw-Hill</p>
Recommended Texts:	<p>A reading pack will be made available.</p>
Breadth Options:	<p>This subject is not available as a breadth subject.</p>
Fees Information:	<p>Subject EFTSL, Level, Discipline & Census Date, http://enrolment.unimelb.edu.au/fees</p>
Generic Skills:	<p>On completion of this subject, students should have developed the following generic skills:</p> <ul style="list-style-type: none"> # Clear thinking # Report writing skills # Enhanced ability to work in a team # Presentation skills
Links to further information:	<p>www.cis.unimelb.edu.au</p>
Related Course(s):	<p>Master of Information Systems Master of Information Systems Master of Philosophy - Engineering Master of Science (Information Systems) Ph.D.- Engineering</p>
Related Majors/Minors/Specialisations:	<p>MIS Professional Specialisation MIS Research Specialisation</p>