

SINF20004 Systems Analysis and Design

Credit Points:	12.50												
Level:	2 (Undergraduate)												
Dates & Locations:	2010, Parkville This subject commences in the following study period/s: Semester 2, Parkville - Taught on campus. Scheduled class meetings, practical classes and independent study, supported by lecture notes, audio recordings (where available) in consultation with an allocated staff member.												
Time Commitment:	Contact Hours: 24 hours of scheduled class meetings, plus additional consultation time Total Time Commitment: Estimated total time commitment of 120 hours												
Prerequisites:	<p>One of</p> <table border="1"> <thead> <tr> <th>Subject</th> <th>Study Period Commencement:</th> <th>Credit Points:</th> </tr> </thead> <tbody> <tr> <td>INFO20001 Informatics 3: Content Management</td> <td>Semester 1, Semester 2</td> <td>12.50</td> </tr> </tbody> </table> <p># 615-230 Database Concepts (prior to 2009)</p> <p>Plus one of</p> <table border="1"> <thead> <tr> <th>Subject</th> <th>Study Period Commencement:</th> <th>Credit Points:</th> </tr> </thead> <tbody> <tr> <td>INFO10002 Informatics 2: People, Data and the Web</td> <td>Semester 1, Semester 2</td> <td>12.50</td> </tr> </tbody> </table> <p># 615-240 Concepts of Software Development II (prior to 2010)</p>	Subject	Study Period Commencement:	Credit Points:	INFO20001 Informatics 3: Content Management	Semester 1, Semester 2	12.50	Subject	Study Period Commencement:	Credit Points:	INFO10002 Informatics 2: People, Data and the Web	Semester 1, Semester 2	12.50
Subject	Study Period Commencement:	Credit Points:											
INFO20001 Informatics 3: Content Management	Semester 1, Semester 2	12.50											
Subject	Study Period Commencement:	Credit Points:											
INFO10002 Informatics 2: People, Data and the Web	Semester 1, Semester 2	12.50											
Corequisites:	None												
Recommended Background Knowledge:	None												
Non Allowed Subjects:	Students cannot gain credit for both this subject and 615-382 Business Systems Analysis and Design (prior to 2006)												
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:	Dr Rachelle Bosua												
Contact:	Email: rachelle.bosua@unimelb.edu.au (mailto:rachelle.bosua@unimelb.edu.au)												
Subject Overview:	<p>This subject is only available by invitation from the Head of Department.</p> <p>This subject introduces the fundamental processes of identifying requirements for specifying and designing information systems. Students will gain experience in the tools and techniques for the analysis phase of the Systems Development Life Cycle (SDLC). Topics may include analysis techniques, feasibility assessment, requirements modeling of functions, structure and behaviour, automated support tools including computer aided software engineering (CASE), and systems development methodologies.</p>												
Objectives:	<p>At the completion of this subject, students should:</p> <ul style="list-style-type: none"> # understand structured and object-oriented software development; # be able to apply appropriate requirement modeling techniques; # have hands-on experience with requirements modeling tools for systems analysis and design; and 												

	# be able to participate in team projects involving analysis and design of medium-scale information systems.
Assessment:	Group project work due during the semester (50%); a 3-hour written examination in the examination period (50%). Satisfactory completion of both project work and the examination is necessary to pass the subject.
Prescribed Texts:	None
Breadth Options:	<p>This subject potentially can be taken as a breadth subject component for the following courses:</p> <ul style="list-style-type: none"> # Bachelor of Arts (https://handbook.unimelb.edu.au/view/2010/B-ARTS) # Bachelor of Commerce (https://handbook.unimelb.edu.au/view/2010/B-COM) # Bachelor of Environments (https://handbook.unimelb.edu.au/view/2010/B-ENVS) # Bachelor of Music (https://handbook.unimelb.edu.au/view/2010/B-MUS) <p>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.</p>
Fees Information:	Subject EFTSL, Level, Discipline & Census Date, http://enrolment.unimelb.edu.au/fees
Generic Skills:	<p>In addition to the subject-related skills, students should acquire or extend other valuable, generic skills. These include:</p> <ul style="list-style-type: none"> # analytical skills that help them structure complex systems into manageable pieces; and # team management skills.
Notes:	This subject is available for science credit to students enrolled in the BSc (both pre-2008 and new degrees), BASc or a combined BSc course (except for the BSc/ BIS).
Related Course(s):	Bachelor of Information Systems Bachelor of Science and Bachelor of Information Systems