

# SWEN90009 Software Requirements Analysis

<b>Credit Points:</b>	12.50
<b>Level:</b>	9 (Graduate/Postgraduate)
<b>Dates &amp; Locations:</b>	2010, Parkville This subject commences in the following study period/s: Semester 2, Parkville - Taught on campus.
<b>Time Commitment:</b>	Contact Hours: 36 hours consisting of 24 one-hour lectures (two per week) and 12 one-hour workshops (one per week) and 12 one-hour workshops (one per week) Total Time Commitment: 120 hours
<b>Prerequisites:</b>	The prerequisites are: 433-428 Software Processes and Management 433-429 Software Engineering Methods
<b>Corequisites:</b>	None
<b>Recommended Background Knowledge:</b>	433-606 Modelling Complex Software Systems
<b>Non Allowed Subjects:</b>	433-646 Requirements Engineering 433-446 Requirements Engineering
<b>Core Participation Requirements:</b>	For the purposes of considering request for Reasonable Adjustments under the Disability Standards for Education (Cwth 2005), and Students Experiencing Academic Disadvantage Policy, academic requirements for this subject are articulated in the Subject Description, Subject Objectives, Generic Skills and Assessment Requirements of this entry. The University is dedicated to provide support to those with special requirements. Further details on the Disability support scheme can be found at the Disability Liaison Unit Website: <a href="http://www.services.unimelb.edu.au/disability/">http://www.services.unimelb.edu.au/disability/</a>
<b>Coordinator:</b>	Dr Edmund Kazmierczak
<b>Contact:</b>	Melbourne School of Engineering Office Building 173, Grattan Street The University of Melbourne VIC 3010 Australia General telephone enquiries + 61 3 8344 6703 + 61 3 8344 6507 Facsimiles + 61 3 9349 2182 + 61 3 8344 7707 Email <a href="mailto:eng-info@unimelb.edu.au">eng-info@unimelb.edu.au</a> ( <a href="mailto:eng-info@unimelb.edu.au">mailto:eng-info@unimelb.edu.au</a> )
<b>Subject Overview:</b>	For the purposes of considering request for Reasonable Adjustments under the Disability Standards for Education (Cwth 2005), and Students Experiencing Academic Disadvantage Policy, academic requirements for this subject are articulated in the Subject Description, Subject Objectives, Generic Skills and Assessment Requirements of this entry. The University is dedicated to provide support to those with special requirements. Further details on the Disability support scheme can be found at the Disability Liaison Unit Website: <a href="http://www.services.unimelb.edu.au/disability/">http://www.services.unimelb.edu.au/disability/</a> ( <a href="http://www.services.unimelb.edu.au/disability/">http://www.services.unimelb.edu.au/disability/</a> )
<b>Objectives:</b>	On completion of this subject students should be able to: <ul style="list-style-type: none"> <li># Perform a business domain and problem analysis for a software system</li> <li># Select from a range of techniques and modelling notations model domains</li> <li># Identify and formulate a set of requirements for a system</li> </ul>

	# Analyse, specify, and validate the functional and non-functional requirements for a system;.and perform a domain analysis on two special domains
<b>Assessment:</b>	Project work during semester, expected to take about 36 hours (50%); and a 3-hour end-of-semester written examination (50%). To pass the subject, students must obtain 25/50 in project work, and 25/50 in the written examination.
<b>Prescribed Texts:</b>	TBA
<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 subjects the student should:</p> <ul style="list-style-type: none"> <li># Ability to apply knowledge of science and engineering fundamentals</li> <li># Ability to undertake problem identification, formulation, and solution</li> <li># Ability to utilise a systems approach to complex problems and to design and operational performance</li> <li># Understanding of the business environment</li> <li># Ability to communicate effectively, with the engineering team and with the community at large</li> <li># Ability to manage information and documentation</li> <li># Capacity for creativity and innovation</li> <li># Understanding of professional and ethical responsibilities, and commitment to them</li> <li># Ability to function effectively as an individual and in multidisciplinary and multicultural teams, as a team leader or manager as well as an effective team member</li> </ul>
<b>Notes:</b>	433 607 will be offered in Semester 2, 2010.
<b>Related Course(s):</b>	Bachelor of Computer Science (Honours) Master of Engineering in Distributed Computing