

SWEN90009 Software Requirements Analysis

Credit Points:	12.50									
Level:	9 (Graduate/Postgraduate)									
Dates & Locations:	2012, Parkville This subject commences in the following study period/s: Semester 1, Parkville - Taught on campus.									
Time Commitment:	Contact Hours: 36 hours consisting of 24 one-hour lectures (two per week) and 12 one-hour one-hour workshops (one per week) Total Time Commitment: 120 hours									
Prerequisites:	<table border="1"> <thead> <tr> <th>Subject</th> <th>Study Period Commencement:</th> <th>Credit Points:</th> </tr> </thead> <tbody> <tr> <td>SWEN90008 Software Processes and Management</td> <td>Semester 1</td> <td>12.50</td> </tr> <tr> <td>SWEN90006 Software Engineering Methods</td> <td>Semester 2</td> <td>12.50</td> </tr> </tbody> </table>	Subject	Study Period Commencement:	Credit Points:	SWEN90008 Software Processes and Management	Semester 1	12.50	SWEN90006 Software Engineering Methods	Semester 2	12.50
Subject	Study Period Commencement:	Credit Points:								
SWEN90008 Software Processes and Management	Semester 1	12.50								
SWEN90006 Software Engineering Methods	Semester 2	12.50								
Corequisites:	None									
Recommended Background Knowledge:	433-606 Modelling Complex Software Systems									
Non Allowed Subjects:	433-646 Requirements Engineering 433-446 Requirements Engineering									
Core Participation Requirements:	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: http://www.services.unimelb.edu.au/disability/									
Coordinator:	Dr Edmund Kazmierczak									
Contact:	Dr Ed Kazmierczak email: edmundak@unimelb.edu.au (mailto:adrianp@unimelb.edu.au)									
Subject Overview:	The first step in the development of a any non-trivial software system is an analysis of the problem domain in order to formulate a set of 'requirements'. In this subjects students will explore explore the aims, principles, processes and techniques involved in business and domain analysis and the formulation of requirements. Topics covered will include: an understanding of the domain analysis problem; business and domain analysis; an exploration of methods for eliciting, analysing, specifying and validating requirements; requirements metrics; analysis techniques for 'special domains' drawn from a selection of enterprise systems, safety critical systems, usability and security.									
Objectives:	Please refer to Overview.									
Assessment:	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									
Prescribed Texts:	None									

Breadth Options:	This subject is not available as a breadth subject.
Fees Information:	Subject EFTSL, Level, Discipline & Census Date, http://enrolment.unimelb.edu.au/fees
Generic Skills:	<p>On completion of this subjects the student should have the following skills:</p> <ul style="list-style-type: none"> # Ability to apply knowledge of science and engineering fundamentals # Ability to undertake problem identification, formulation, and solution # Ability to utilise a systems approach to complex problems and to design and operational performance # Understanding of the business environment # Ability to communicate effectively, with the engineering team and with the community at large # Ability to manage information and documentation # Capacity for creativity and innovation # Understanding of professional and ethical responsibilities, and commitment to them # 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
Related Course(s):	Bachelor of Computer Science (Honours)
Related Majors/Minors/ Specialisations:	B-ENG Software Engineering stream Computer Science Master of Engineering (Software)