

Subject Description Form

Subject Code	COMP5221
Subject Title	Software Project Management
Credit Value	3
Level	5
Pre-requisite/ Exclusion	Prerequisite: Nil Exclusion: COMP5220 Information Systems Project Management
Objectives	The objectives of this subject are to: <ol style="list-style-type: none"> 1. provide students with a systematic approach to initiating, planning, executing, controlling and closing a software project; 2. enable students to develop a basic understanding of the nine project management areas and the role of a typical project manager; 3. enable students to understand the best practices and techniques used in project management processes.
Intended Learning Outcomes	Upon completion of the subject, students will be able to: <ol style="list-style-type: none"> a) describe project life cycle; b) write a project plan; c) estimate project effort, monitor and report on project progress; d) apply risk management techniques, time and cost management techniques; and e) understand quality management concepts and models.
Subject Synopsis/ Indicative Syllabus	<ul style="list-style-type: none"> • Project Management: Project conception; Project definition; Project Life Cycle; Roles and Responsibility of project manager, Principle of Software Development. • Project Management Processes: Initiating, planning, executing, controlling, and closing. • Project management techniques: planning, organizing, controlling, evaluating, reporting, costing, sizing, cost/benefit analysis, and earned value analysis. • Methods for project planning: Estimation of project size, schedule and cost. • Methods for project control: Checkpoints, Reviews, Change Management, Reporting, Issues management, Team building, High performance team. • Project Management Knowledge Areas: Integration Management, Scope Management, Time Management, Cost Management, Quality Management, Human Resource Management, Communication Management, Risk Management, Procurement Management.
Teaching/Learning Methodology	Class activities including - lecture, tutorial, lab, workshop seminar where applicable

Assessment Methods in Alignment with Intended Learning Outcomes	<table border="1"> <thead> <tr> <th rowspan="2">Specific Assessment Methods/Tasks</th> <th rowspan="2">% weighting</th> <th colspan="5">Intended subject learning outcomes to be assessed</th> </tr> <tr> <th>a</th> <th>b</th> <th>c</th> <th>d</th> <th>e</th> </tr> </thead> <tbody> <tr> <td>Assignments & Projects</td> <td>55</td> <td>✓</td> <td>✓</td> <td>✓</td> <td>✓</td> <td>✓</td> </tr> <tr> <td>Final Examination</td> <td>45</td> <td>✓</td> <td>✓</td> <td>✓</td> <td>✓</td> <td>✓</td> </tr> <tr> <td>Total</td> <td>100</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	Specific Assessment Methods/Tasks	% weighting	Intended subject learning outcomes to be assessed					a	b	c	d	e	Assignments & Projects	55	✓	✓	✓	✓	✓	Final Examination	45	✓	✓	✓	✓	✓	Total	100					
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		a	b		c	d	e																											
	Assignments & Projects	55	✓	✓	✓	✓	✓																											
	Final Examination	45	✓	✓	✓	✓	✓																											
Total	100																																	
Student study effort expected	Class Contact:																																	
	Class activities (lecture, tutorial, lab) 39 hours																																	
	Other student study effort:																																	
	Assignments, Quizzes, Projects, Exams 65 hours																																	
	Total student study effort 104 hours																																	
Reading list and references	<p>(1) A Guide to the Project Management Body of Knowledge, 5th Ed, 2013, Project Management Institute.</p> <p>(2) Hughes, B. and Cotterell, M., 2009, Software Project Management, 5th Ed, McGraw-Hill.</p> <p>(3) Kerzner, H.R., 2013, Project Management, A systems approach to Planning, Scheduling, and Controlling, 11th Ed, John Wiley & Sons.</p>																																	