Subject Description Form

Subject Code	COMP 5220
Subject Title	Information Systems Project Management
Credit Value	3
Level	5
Pre-requisite/Exclusion	Prerequisite: Nil Mutual Exclusive: COMP5221 Software Project Management
Objectives	The objectives of this subject are to: 1. present a systematic approach to initiating, planning, executing, controlling and closing an information system (IS) 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 apply the best practices and techniques used in IS project management.
Intended Learning Outcomes	Upon completion of the subject, students will be able to: a) articulate the importance of IS project management processes and understand the IS project lifecycle; b) apply project management practice with hands-on in planning, organizing, and managing complex IS projects; c) apply time, risk, cost management techniques and quality management concepts and models critically on real-life projects; **Alignment of Programme Outcomes:** Programme Outcome 1: This subject contributes to having students understand update-to-date knowledge in information systems project management. Programme Outcome 3: This subject contributes to having students to participate, communicate, manage and provide professional leadership in information systems project management. Programme Outcome 5: This subject contributes to developing students' ability to adopt the best practices and standards, and engage in a process of life-long learning in information systems project management.
Subject Synopsis/ Indicative Syllabus	• **Introduction to IS project management**: Examples of IS projects, project attributes, the role of project manager, project constraints, project management process groups (initiation, planning, execution, monitoring and control, closing), 9 project knowledge areas of PMI;

	• **Project Initiation:** Project charter, project selection approaches (NPV, return on investment, payback method), stakeholder identification; • **Project Planning:** Project plan, defining the scope, work breakdown structure, Effort estimation, Cost estimation, Gantt chart, Critical path method, PERT, resource levelling, risk planning, quality planning; • **Project execution and control:** Earned value management, quality control and quality assurance, change control, monitoring and controlling risks.
Teaching/Learning Methodology	Project planning and management techniques and project management standards will be covered in the lectures. Students will work on exercises in software project management and project management tools (e.g. Microsoft Project).

Assessment Methods in Alignment with Intended Learning Outcomes

Specific Assessment Methods/Tasks	% weighting	Intended subject learning outcomes to be assessed		
		a	b	c
Assignments, Tests & 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	66 hours
Total student study effort	**105 hours**

Reading list and references

(1). J. Cadle and D. Yeates, Project Management for Information Systems, Prentice Hall, 2008.
(2). Bob Hughes and Mike Cotterell, Software Project Management, 5/e, McGraw-Hill Education, 2009
(3). Pankaj Jalote, Software Project Management in Practice, Addison-Wesley Professional, 2002