

Subject Description Form

Subject Code	COMP322
Subject Title	Enterprise Information Systems Project Implementation
Credit Value	3
Level	3
Pre-requisite / Co-requisite/ Exclusion	Pre-requisite: COMP311, COMP321 Co-requisite: Nil Exclusion: COMP324
Objectives	<ul style="list-style-type: none"> • To provide orientation and understanding of the information systems requirements and opportunities for the enterprise. • To provide the information picture both strategically and operationally to evaluate and procure enterprise information systems. • To teach the methodologies of analyzing enterprise business, workflow, information architecture and information systems. • To teach the techniques and approaches of enterprise information system planning, design, implementation and management.
Intended Learning Outcomes	<p>Upon completion of the subject, students will be able to:</p> <p><i>Professional/academic knowledge and skills</i></p> <p>(a) possess an overview picture of enterprise information system environment;</p> <p>(b) prepare, design, and implement enterprise information systems in organizations;</p> <p>(c) understand management issues in enterprise information systems project implementation;</p> <p><i>Attributes for all-roundedness</i></p> <p>(d) improve their critical thinking skills and analytical skills through case studies and group discussion of enterprise information systems development;</p> <p>(e) enhance their team working skills, technical report writing and presentation skill through enterprise information system implementation projects.</p> <p>Alignment of Programme Outcomes:</p> <p><i>This subject contributes to corresponding programme outcomes by facilitating students to</i></p> <p>Programme Outcome 1: practice communication skills in case discussions and writing skills in project documentation;</p> <p>Programme Outcome 2: identify the effects of best practices and industry guidelines about EIS on managing information systems in organizations;</p>

Programme Outcome 4: develop critical thinking through tutorials, exercises, and projects;

Programme Outcome 6: follow the advancement of IT and understand their impacts on industries by case discussions;

Programme Outcome 7: develop team spirit by group-based projects;

Programme Outcome 8c: undertake a professional application of information systems in order to effect improvements in organizational problem contexts.

**Subject Synopsis/
Indicative Syllabus**

Topic	Duration of Lectures
1. Overview of Enterprise Information System environment Introduction to enterprise information systems and information portal; the function of a chief information officer; common enterprise resource planning modules; systems architecture of enterprise information systems; enterprise information systems integration; enterprise strategy.	7.5
2. Enterprise Information System analysis Needs analysis; value system and value chain modeling; business process modeling and mapping; task level modeling; current enterprise information system analysis; transition strategies.	10
3. Enterprise Information System planning Project planning; information system architecture and implementation planning; change management and transformation planning; outsourcing.	6
4. Enterprise Information System design and implementation System requirement and specification; vendor selection; approaches of software package selection; request for proposal; making choices and selections; negotiating agreements; justification and evaluation; enterprise information system implementation processes.	8
5. Enterprise Information System project management Project monitoring and control; system testing; enterprise system risks and controls; people and technology management; success and failure factors.	3.5
Total	35

Laboratory Experiment:

Topic	Duration of Laboratory
1. Demonstration of Enterprise Information Systems, e.g. SAP	4
Total	4

Tutorial Exercises:

	Topic					Duration of Tutorial																																						
	1. Identifying different ERP systems;					2																																						
	2. Designing and implementing enterprise information system.					8																																						
Total					10																																							
Teaching/Learning Methodology	This subject integrates lectures, seminars, tutorials, lab exercises, discussions, and projects, and assignments together. Students learn through listening, observation, and participation.																																											
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="6">Intended subject learning outcomes to be assessed (Please tick as appropriate)</th> </tr> <tr> <th>a</th> <th>b</th> <th>c</th> <th>d</th> <th>e</th> <th></th> </tr> </thead> <tbody> <tr> <td>Continuous assessment</td> <td>70%</td> <td>✓</td> <td>✓</td> <td>✓</td> <td>✓</td> <td>✓</td> <td></td> </tr> <tr> <td>Examination</td> <td>30%</td> <td>✓</td> <td>✓</td> <td>✓</td> <td>✓</td> <td></td> <td></td> </tr> <tr> <td>Total</td> <td>100 %</td> <td colspan="6"></td> </tr> </tbody> </table> <p>Explanation of the appropriateness of the assessment methods in assessing the intended learning outcomes:</p> <p>The assessment items include class participation, tests, and projects. Class participation pools ideas and experiences from group, and allows everyone to participate in an interactive process. Tests give students chances to reflect on learning and experience. Projects are used to develop students' analytic and problem solving skills.</p>						Specific assessment methods/tasks	% weighting	Intended subject learning outcomes to be assessed (Please tick as appropriate)						a	b	c	d	e		Continuous assessment	70%	✓	✓	✓	✓	✓		Examination	30%	✓	✓	✓	✓			Total	100 %						
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		a	b	c	d	e																																						
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Examination	30%	✓	✓	✓	✓																																							
Total	100 %																																											
Student Study Effort Required	Class contact:																																											
	▪ Lecture					35 Hrs.																																						
	▪ Laboratory					4 Hrs.																																						
	▪ Tutorial					10 Hrs.																																						
	Other student study effort:																																											
	▪ Self learning					14 Hrs.																																						
	▪ Projects					10 Hrs.																																						
	Total student study effort					73 Hrs.																																						
Reading List and References	<p>Reference Books:</p> <ol style="list-style-type: none"> 1. Kerzner, H., "Project Management: A Systems Approach to Planning, Scheduling, and Controlling", 10th Ed., Wiley, 2009. 2. Dunn, C. L., "Enterprise Information Systems: A Pattern-based Approach", 																																											

3rd Ed., McGraw-Hill, 2005.

3. Hughes, B. and Mike Cotterell, M. "Software Project Management", 5th Ed., McGraw-Hill, 2009.