

Subject Description Form

Subject Code	COMP450
Subject Title	IT Governance
Credit Value	3
Level	4
Pre-requisite / Co-requisite/ Exclusion	Pre-requisite: COMP325 Co-requisite/Exclusion: Nil
Objectives	<ul style="list-style-type: none"> • To recap of different information systems in operation and their management; • To extend the potential graduates' knowledge of a control framework called COBIT (control objectives for information and related technology), which provides good practices that represent the consensus of experts; • To evaluate IT adoption in a company.
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) make a link between IT policy and business needs;</p> <p>(b) organize IT activities into a generally acceptable process model;</p> <p>(c) help businesses to optimize IT-related investment, ensure service delivery, and establish measures against which to judge when things do go wrong.</p> <p><i>Attributes for all-roundedness</i></p> <p>(d) improve presentation and communication skills through various exercises;</p> <p>(e) develop the ability to conduct group works and solve related problems;</p> <p>(f) think and reason in a critical manner, especially on different issues related to adoption of IT in companies.</p> <p>Alignment of Programme Outcomes:</p> <p>This subject contributes to corresponding programme outcomes by facilitating students to</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 IT governance on managing information systems;</p>

	<p>Programme Outcome 4: develop critical thinking through tutorials, exercises, and projects;</p> <p>Programme Outcome 6: follow the advancement of IT and understand their impacts on industries by case discussions;</p> <p>Programme Outcome 7: develop team spirit by group-based projects;</p> <p>Programme Outcome 8c: undertake a professional application of information systems in order to effect improvements in organizational problem contexts.</p>							
<p>Subject Synopsis/ Indicative Syllabus</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center; padding: 5px;">Topic</th> </tr> </thead> <tbody> <tr> <td style="padding: 5px;"> <p>1. The framework Need for a control framework for IT governance; how COBIT meets the needs; maturity models; performance measurement; the COBIT model.</p> </td> </tr> <tr> <td style="padding: 5px;"> <p>2. Linking business goals and IT objectives Business-IT alignment requirements; control risk assessment; control and process maturity and their assessment.</p> </td> </tr> <tr> <td style="padding: 5px;"> <p>3. Planning and organization Defining strategic IT plan, information architecture, IT processes, organization and relationship; determining technological direction; managing IT investment, IT human resources, quality and projects; communicating management aims and direction; assessing and managing IT risks.</p> </td> </tr> <tr> <td style="padding: 5px;"> <p>4. Acquisition and implementation Acquiring and maintaining application software, technology and infrastructure; managing change; installing and accrediting solution and change.</p> </td> </tr> <tr> <td style="padding: 5px;"> <p>5. Delivery and support Defining and managing service levels, performance and capacity; educating and training users; managing the configuration, physical environment and operations.</p> </td> </tr> <tr> <td style="padding: 5px;"> <p>6. Monitoring and evaluation IT performance; internal controls; regulatory compliance; IT governance.</p> </td> </tr> </tbody> </table> <p>Case Study:</p> <p>Real-life local or foreign companies case studies for discussion.</p>	Topic	<p>1. The framework Need for a control framework for IT governance; how COBIT meets the needs; maturity models; performance measurement; the COBIT model.</p>	<p>2. Linking business goals and IT objectives Business-IT alignment requirements; control risk assessment; control and process maturity and their assessment.</p>	<p>3. Planning and organization Defining strategic IT plan, information architecture, IT processes, organization and relationship; determining technological direction; managing IT investment, IT human resources, quality and projects; communicating management aims and direction; assessing and managing IT risks.</p>	<p>4. Acquisition and implementation Acquiring and maintaining application software, technology and infrastructure; managing change; installing and accrediting solution and change.</p>	<p>5. Delivery and support Defining and managing service levels, performance and capacity; educating and training users; managing the configuration, physical environment and operations.</p>	<p>6. Monitoring and evaluation IT performance; internal controls; regulatory compliance; IT governance.</p>
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<p>Teaching/Learning Methodology</p>	<p>This subject integrates lectures, seminars, tutorials, lab exercises, discussions, and projects, and assignments together. Students learn through listening, observation, and participation.</p>							

Assessment Methods in Alignment with Intended Learning Outcomes	Specific assessment methods/tasks	% weighting	Intended subject learning outcomes to be assessed (Please tick as appropriate)					
			a	b	c	d	e	f
	Continuous assessment	55%	✓	✓	✓	✓	✓	✓
	Examination	45%	✓	✓	✓			✓
Total	100 %							
<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>								
Student Study Effort Expected	Class contact:							
	▪ Lecture		39 Hrs.					
	▪ Tutorial		0 Hrs.					
	Other student study effort:							
	▪ Self learning		24 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. COBIT User Guide for Service Managers, IT Governance Institute, IT Governance Institute, 2009. 2. A. Cater-Steel, Information Technology Governance and Service Management: Frameworks and Adaptations, Information Science Reference, 2009. 3. G. J. Selig and J. Wilkinson, Implementing IT Governance: A Practical Guide to Global Best Practices in IT Management, Van Haren Publishing, 2008. 							