

Subject Code	LGT5113
Subject Title	Enterprise Resource Planning
Credit Value	3
Level	5
Normal Duration	One Semester
Pre-requisite / Co-requisite/ Exclusion	Nil
Role and Purposes	<p>To enable students to:</p> <ul style="list-style-type: none"> • Understand the basic concepts and issues of ERP systems; • be able to discuss issues in the current IT environment for ERP systems; and • Develop students' ability and confidence in planning and executing ERP projects. • Be familiar with the basic usage of ERP systems <p>This subject contributes to the following Intended Learning Outcomes for the following programme(s):</p> <p>MSc in Management (Operations Management)</p> <p>#2: Develop the specific operations management knowledge</p>
Subject Learning Outcomes	<p>Upon completion of the subject, students will be able to:</p> <ol style="list-style-type: none"> a. A grasp of basic concepts and issues of ERP systems b. A basic understanding of the adoption of ERP systems to enhance operational efficiency c. A basic understanding of ERP planning and implementation d. A grasp of basic functions and usages of ERP systems

Subject Synopsis/ Indicative Syllabus			
	Topics	Sub-topics	Tutorial Topics
Subject Synopsis/ Indicative Syllabus	Introduction to ERP, and System and Technology Background	Introduction to the course	Tutorial 1: SAP
		Introduction to ERP and ERP Life Cycle	Demonstration, UAC Registration, Opening Survey
		ERP Market Awareness- History, Present, and Future	Tutorial 3: SAP Startup and Navigation
	Business Process Management and ERP	Business Functions and Business Process Business Process Modelling	Tutorial 2: Business Process Modeling
	Management with ERP systems (Part 1)	Business Data Management in ERP	Tutorial 4: Master Data in SAP
		Sales and marketing management with ERP	Tutorials 5&6: Sales and Distribution in SAP (1)(2)
		Accounting and finance management with ERP	Tutorial 6: Accounting and Controlling in SAP
	ERP Life Cycle (Part 1)	ERP Initiatives	
		ERP Selection	

		Management with ERP systems (Part 2)	Procurement management with ERP	Tutorial 7: Material Management in SAP																																										
			Production Management with ERP	Tutorial 8: Production Planning in SAP																																										
		ERP Life Cycle (Part 2)	ERP Implementation																																											
		Project Presentation and Course Review	ERP After-Implementation																																											
Course Review																																														
Teaching/Learning Methodology		<ul style="list-style-type: none"> ▪ During lectures, basic concepts of ERP and ERP systems will be introduced, and case studies will be discussed. ▪ During tutorials, students will be guided to practice applications and usages of ERP systems in a computer lab. 																																												
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></th> <th></th> </tr> </thead> <tbody> <tr> <td>1. Coursework</td> <td>50%</td> <td></td> <td>✓</td> <td>✓</td> <td>✓</td> <td></td> <td></td> </tr> <tr> <td>2. Examination</td> <td>50%</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>							Specific assessment methods/tasks	% weighting	Intended subject learning outcomes to be assessed (Please tick as appropriate)						a	b	c	d			1. Coursework	50%		✓	✓	✓			2. Examination	50%	✓	✓	✓				Total	100 %						
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	<p>Explanation of the appropriateness of the assessment methods in assessing the intended learning outcomes:</p> <p>The coursework includes a series of tutorial exercises of using ERP systems, assignments and case studies, and a group project about ERP implementation in real business. They are used to assess the intended outcomes 1-4. The final exam is based on questions relevant to basic concepts of ERP and a case study about the ERP life cycle, which are relevant to intended outcomes 1-3.</p> <p><i>To pass this subject, students are required to obtain Grade D or above in BOTH the Continuous Assessment and Exam components.</i></p>	
Student Study Effort Expected	Class contact:	
	Lectures / tutorials	39 Hrs.
	Other student study effort:	
	Group Project	45 Hrs
	Self-Study	42 Hrs
	Total student study effort	126 Hrs
Reading List and References	<p>Monk, Ellen and Wagner, Bret J., <i>Concepts in Enterprise Resource Planning</i>, 4th Edition, Course Technology Cengage Learning, 2013</p> <p>O' Leary, Daniel E., <i>Enterprise Resource Planning Systems: Systems, Life cycle, Electronic Commerce, and Risk</i>, Cambridge University Press, 2000</p> <p>Buck-Emden, R., <i>The SAP R/3 System, An Introduction to ERP and Business Software Technology</i>, Addison-Wesley, 2000.</p> <p>Curran, T. A. Ladd, A., <i>Business Blueprint: Understanding Enterprise Supply Chain Management</i>, Prentice Hall, 2000.</p>	

Curran, T. A., Ladd, A. and Ladd, D., *SAP R/3, Reporting & eBusiness Intelligence*, Prentice Hall, 2000.

Norris G., Hurley, J., Hartley, K. Dunleavy, J. Balls, J., *E-Business and ERP: Transforming the Enterprise*, New York: John Wiley, 2000.

Wyzalek, J., *Enterprise Systems Integration*, Auerbach Publications, 2000.