

Subject Code	LGT5105
Subject Title	Managing Operations Systems
Credit Value	3
Level	5
Normal Duration	1-semester
Pre-requisite / Co-requisite/ Exclusion	Nil
Role and Purposes	<p>This module introduces students to both the philosophy and the techniques of operations management. Students will understand the basic concepts and basic tools in operations management, and become familiar with the scientific methods used in daily management.</p> <p>This subject contributes to the following Intended Learning Outcomes for the MBA programme:</p> <p>Programme Intended Learning Outcome #1a</p>
Subject Learning Outcomes	<p>Upon completion of the subject, students will be able to:</p> <ul style="list-style-type: none"> (a) Understand the terminology of operations management. (b) Understand basic concepts of various areas of operations management. (c) Build up basic quantitative models that are used for decision-making in operations management, including assumptions and limitations of the models. (d) Apply these models practically in management issues with critical thinking and creative manner to solve real life problems. (e) Beware of ethical issues in business.
Subject Synopsis/ Indicative Syllabus	<p>Introduction to Operations System The concepts, the operations functions and its relation with other business functions, particularly, strategic aspects of operations management and its relationship to major elements of business models.</p> <p>Business Process Design and Reengineering Process concept; process design method; process effectiveness and efficiency; business process reengineering.</p> <p>Forecasting Objective of forecasting; logic of forecasting; qualitative and quantitative methods for forecasting; measurement and monitoring of forecasting systems; machine learning techniques.</p> <p>Capacity Planning Strategic capacity planning; equipment management; concept of total cost of ownership; volume analysis; breakeven models; decision tree analysis.</p> <p>Facility Location and Layout Factors affecting location decisions; methods for analysing location problems;</p>

	Total	100 %	
Student Study Effort Expected	<p>Explanation of the appropriateness of the assessment methods in assessing the intended learning outcomes:</p> <p>Continuous Assessment: To analyze business cases and solve business problems by applying concepts and techniques in a critical manner (MBA Outcome 1a).</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>		
Reading List and References	<p>Books</p> <p>Anupindi, R., et. al. <i>Managing Business Process Flows – Principle of Operations Management</i>, latest ed, Prentice Hall</p> <p>Jacobs F.R., Chase, R.B. and Aquilano, N.J., <i>Operations & Supply Chain</i>, latest ed., McGraw Hill.</p> <p>Cheng, T.C.E. and Podolsky, S. (1996), <i>Just-in-time Manufacturing: An Introduction</i>, Chapman & Hall.</p> <p>Klassen, R. D., Menor, L. J. (2006), <i>Cases in Operations Management</i>, Sage publication,</p> <p>Johnston, R. (2003), <i>Cases in Operations Management</i>, Finance Times Prentice Hall.</p> <p>Russell R.S. and Taylor B.W., <i>Operations Management</i>, latest ed., Prentice Hall.</p> <p>Stevenson W.J., <i>Operations Management</i>, latest ed., McGraw Hill.</p> <p>Journals</p> <p>International Journal of Operations and Production Management Journal of Operations Management Management Science</p>		
	Class contact:		
	▪ Lectures / Tutorials	39 Hrs.	
	Other student study effort:		
	▪ Reading and doing exercises	87 Hrs.	
	Total student study effort		126 Hrs.