

The Hong Kong Polytechnic University

Subject Description Form

Subject Code	LGT4103
Subject Title	Project Management
Credit Value	3
Level	4
Normal Duration	1-semester
Pre-requisite / Co-requisite/ Exclusion	Nil
Role and Purposes	This course is to provide students with a focused understanding of the principles, concepts and techniques required for the successful management of projects; with the ability of using information system in project management (Outcome 6); with a set of important characteristics and skills, including team work attitude, and critical thinking (Outcome 3); and with the professionally-specific skills and knowledge to manage projects in business organizations (Outcome 11).
Subject Learning Outcomes	Upon completion of the subject, students will be able to: <ul style="list-style-type: none"> a. obtain the fundamental principles, concepts and techniques in project management. b. develop the technical and teamwork skills for the successful management of projects. c. be effective in selecting, planning, implementing and controlling projects. d. diagnose and solve problems in projects.
Subject Synopsis/ Indicative Syllabus	<p><i>Project Management Introduction</i> Characteristics of projects. Constraints and tradeoffs, concepts and terminology. History of project management. Project life cycle. Success factors.</p> <p><i>Problem Selection and Initiation</i> Problem selection criteria. Numerical methods. Qualitative methods. Project plan and WBS.</p> <p><i>Project Organization</i> Organisational structures. Project stakeholders. Roles and responsibilities. Managing projects through teamwork. Managing conflict in projects. Communication and coordination.</p> <p><i>Project Planning and Scheduling</i> Precedence Network. Critical path method. Program evaluation and review technique. Cost estimation. Project budgeting. Time cost trade off and Linear programming. Resource allocation and analysis. Project risk and responses.</p>

	<p>Project Control Establishment of control systems. Earned value analysis. Performance analysis. Project auditing. Project termination.</p> <p>Information Support Computer tools.</p>																																							
<p>Teaching/Learning Methodology</p>	<p>Lectures are designed to provide a basic grounding in principles, concepts and techniques in project management.</p> <p>Seminars provide the environment and means for student-centred learning, in the form of class discussions, case analyses, group and individual work. Seminars are designed to stimulate original and creative thinking, and the capacity to apply the tools and techniques to solve project problems in real world setting.</p>																																							
<p>Assessment Methods in Alignment with Intended Learning Outcomes</p>	<table border="1" data-bbox="534 772 1481 1214"> <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. Continuous assessment</td> <td>50%</td> <td>✓</td> <td>✓</td> <td>✓</td> <td>✓</td> <td></td> <td></td> </tr> <tr> <td>2. Final 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> <p>Explanation of the appropriateness of the assessment methods in assessing the intended learning outcomes:</p> <p>Continuous assessment components, such as course project, homework exercise and test, can assess the students' understanding in theories, techniques and principles, evaluate their ability to solve problems and the teamwork skills.</p> <p>Final examination will assess the students' understanding in theories and principles, evaluate their ability to apply methods and techniques independently.</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>		Specific assessment methods/tasks	% weighting	Intended subject learning outcomes to be assessed (Please tick as appropriate)						a	b	c	d			1. Continuous assessment	50%	✓	✓	✓	✓			2. Final examination	50%	✓	✓	✓				Total	100 %						
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**Reading List and
References**

Larson, E.W. and Gray, C.F. (2018), *Project Management: The Managerial Process*. 7th Edition. McGraw-Hill.

Brown, K.A. and Hyer, N.L. (2010), *Managing Projects: A Team-based Approach*. McGraw-Hill.

Klastorin, T. (2004), *Project Management, Tools and Trade-offs*. John Wiley & Sons, Inc.

Stevenson, N. (2004), *Microsoft Project 2003 for Dummies*. Wiley.

Goldratt, E.M. (1997), *Critical Chain*. The North River Press, Great Barrington, MA, USA.

Meredith, J.R. and Mantel, S. (2006), *Project Management: a Managerial Approach*. John Wiley & Sons, Inc.

Thomke, S. (2007), *Managing Product and Service Development: Text and Cases*. McGraw-Hill.

PMI. (2004), *A Guide to the Project Management Body of Knowledge (PMBOK Guide)*. Newton Square, PA, USA.