

# The Hong Kong Polytechnic University

## Subject Description Form

<b>Subject Code</b>	LGT3517
<b>Subject Title</b>	Port Economics and Applications
<b>Credit Value</b>	3
<b>Level</b>	3
<b>Normal Duration</b>	1-semester
<b>Pre-requisite</b>	LGT2510 Quantitative Methods for Logistics Students
<b>Role and Purposes</b>	To familiarise students with knowledge associated with basic issues of port economics and how these might be applicable to the industry. To help students understand the underlying basics of port pricing and tariff policy. To provide practical aspects of port industry in an era of containerisation and ever increasing ship size.
<b>Subject Learning Outcomes</b>	Upon completion of the subject, students will be able to:  a. Know the relationship between demand for port services and globalization as well as international trade;  b. Understand the practical aspects of port pricing in an era of containerisation, ever increasing ship size, and increasing port competition;  c. Realise the role of government in port industry, and analyse the effects of different port organization structures;  d. Evaluate the feasibility of different port projects, especially without ignoring the possible externalities from port projects, such as congestion and environmental damage.  e. Studying this subject will also help develop students' critical thinking, and oral and written communication skills.
<b>Subject Synopsis/ Indicative Syllabus</b>	Introduction to port history, economics and organization; Demand for port services and estimation methods; Port production process and port supply; Port pricing: method, objectives, and practice; Port competition and cooperation; Port efficiency; Port networking; Port environment; Issues in port development decision making; Case study: the impact of containerization and increasing ship size on port development, operation and management.
<b>Teaching/Learning Methodology</b>	A combination of lectures, tutorials and students-directed learning activities will be included in this subject.

<b>Assessment Methods in Alignment with Intended Learning Outcomes</b>	Specific assessment methods/tasks		% weighting		Intended subject learning outcomes to be assessed (Please tick as appropriate)						
					a	b	c	d	e		
	1. Coursework		40%				✓	✓	✓		
	2. Examination		60%		✓	✓	✓	✓			
	Total		100 %								
<p>Explanation of the appropriateness of the assessment methods in assessing the intended learning outcomes:</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>											
<b>Student Study Effort Expected</b>	Class contact:										
	▪ Lecture										26 Hrs.
	▪ Tutorial										13 Hrs.
	Other student study effort:										
	▪ Term project										87 Hrs.
	Total student study effort										126 Hrs.
<b>Reading List and References</b>	<p><b>References</b></p> <p>Wayne K. Talley (2009), <i>Port Economics</i>. Routledge: London &amp; New York</p> <p>Ernst G. Frankel (1986), <i>Port Planning and Development</i>. John Wiley &amp; Sons, Inc.</p> <p>Alderton, P. (1999), <i>Port Management and Operations</i>, LLP Limited, London.</p> <p>Jansson, J. and Shneerson, D. (1982), <i>Port Economics</i>, MIT Press, Massachusetts.</p> <p>Stevens, Henrik, 1999. The institutional position of seaports [electronic resource]: an international comparison</p>										