

# The Hong Kong Polytechnic University

## Subject Description Form

<b>Subject Code</b>	LGT5017
<b>Subject Title</b>	Maritime Logistics
<b>Credit Value</b>	3
<b>Level</b>	5
<b>Normal Duration</b>	1-semester
<b>Pre-requisite / Co-requisite/ Exclusion</b>	Nil
<b>Role and Purposes</b>	The aim of this unit is to provide students with a full understanding of current developments in maritime transport logistics, and to enable them to identify and solve problems related to maritime transport logistics in the context of international shipping.
<b>Subject Learning Outcomes</b>	<p>Upon completion of the subject, students will be able to:</p> <ol style="list-style-type: none"> <li>a. Demonstrate relevant professional knowledge and understanding of maritime logistics, the international maritime environment in which they operate and how they are managed.</li> <li>b. Understand and respond to current developments of the relevant political, economical, social and technological issues and their influences on the operations and management of maritime logistics.</li> <li>c. Analyse and integrate the inter-relationships among the various components of subject matters in shipping logistics for effective problem solving.</li> </ol>
<b>Subject Synopsis/ Indicative Syllabus</b>	International seaborne trade. Maritime transportation and cargoes. Dry bulk and liquid bulk commodity logistics and services. Maritime transport terminals design and operations. Port and carrier selection. Third party shipping management. Materials handling and packaging for maritime transport. Environmental issues and international regulations on environmental protection in maritime logistics. Regulating regimes in international shipping. Issues in liner shipping. Transshipment hub, logistical networks and feeder concepts. Logistics of empty containers. Management of multimodal transport. Technologies in maritime logistics such as autonomous ship, blockchain, and AI. Logistics center and free trade zone. Maritime security issues.
<b>Teaching/Learning Methodology</b>	<p>Lectures introduce and explain key theoretical risk-related concepts. Lectures are followed by class discussions where concepts are linked to real events in the industry through appropriate examples and their analysis.</p> <p>Seminars are highly interactive and include discussions of current / past events, case studies, and student presentations. Students are expected to actively participate in</p>

	the classes and to share their experience and learn from each other.							
<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			
	<b>Coursework</b>							
	Presentation / quiz	30%	✓	✓	✓			
	Participation in discussions / Attendance	20%	✓	✓	✓			
	<b>Examination</b>	50%	✓	✓	✓			
	Total	100 %						
<p>Explanation of the appropriateness of the assessment methods in assessing the intended learning outcomes:</p> <p>Since the course focuses on the maritime logistics, case analysis and learning from practical, work-based experiences form an important constituent of student assessment. Coursework in the form of presentation and quiz which targets some critical issues in the management of maritime logistics in context will reinforce theoretical concepts learnt during the lectures and enable their applications in real-life operational situations, as well as enhance students' communications skills and reinforce their concepts through two-way dialogue and discussions.</p> <p>Students would be given regular feedback on their performance, by email or as comments on assignments submitted.</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:	
	▪ Lectures / Tutorials	39 Hrs.
	Other student study effort:	
	▪ Self-study / research for self-learning tasks	42 Hrs.
	▪ Assignment / preparation for examination / test	45 Hrs.
	Total student study effort	126 Hrs.
<b>Reading List and References</b>	<p>Song, D. W. and Panayides, P. Maritime logistics, Kogan Page , 2015</p> <p>Container terminals and automated transport systems: logistics control issues and quantitative decision support / Hans-Otto Günther, Kap Hwan Kim, editors. Berlin : Springer-Verlag, 2005.</p> <p>Meisel, Frank, Seaside operations planning in container terminals, Springer e-books, Physica-Verlag , 2009.</p> <p>International handbook of maritime economics, Edward Elgar , 2011.</p> <p>House, D.J., Cargo work for maritime operations; Oxford ; Boston : Elsevier/Butterworth-Heinemann, 2005; 7th ed.</p> <p>Swadi, Dhananjay, Cargo notes, Witherby Seamanship International Ltd., 2009 , 2<sup>nd</sup> Edition.</p> <p>McNicholas, Michael, Maritime security: an introduction. Burlington, Mass.: Butterworth-Heinemann, 2<sup>nd</sup> Edition, 2016.</p> <p>Lloyd's MIU handbook of maritime security, CRC Press; Lloyd's MIU , 2009.</p> <p>LNG operations in port areas: recommendations for management of operational risk attaching to liquefied gas tanker and terminal operations in port areas. London : Witherby, c2003</p> <p>MARPOL 73/78 : articles, protocols, annexes, unified interpretations of the International Convention for the Prevention of Pollution from Ships, 1973, as modified by the Protocol of 1978 relating thereto. London : IMO, 2002.</p> <p>Clean seas complying with MARPOL 73/78 MARPOL Annex I : prevention of pollution by oil, IDESS Interactive Technologies IDESS IT Inc. , 2010. Handbook of container shipping management, Vol.2: management issues in container shipping, Editors: Christel Heideloff, Thomas Pawlik, Bremen 2008.</p> <p><b><u>Journals</u></b></p> <p>Maritime Business Review  Maritime Economics and Logistics Journal.  Fairplay- The International Shipping Weekly.  Maritime Policy and Management.</p> <p>Alphaliner, Available at: <a href="http://www.alphaliner.com/">http://www.alphaliner.com/</a></p>	