

Syllabus form

The Hong Kong Polytechnic University

Subject Description Form

Subject Code	LGT6503
Subject Title	International Logistics and Port Operations
Credit Value	3
Level	6
Normal Duration	1-semester
Pre-requisite / Co-requisite/ Exclusion	Nil
Objectives	<p>This subject contributes to the following Intended Learning Outcomes for the doctoral programme: Doctor of International Shipping and Port (D.ISP).</p> <p>#2Understand and tackle International Shipping and Port Management issues by using relevant principles and emerging technologies</p> <p>The objectives of the module are as follows:</p> <ul style="list-style-type: none">• To enable students to develop a comprehensive understanding of international logistics and its role in global trade and commerce.• To provide students with an opportunity to explore the principles and practices of port operations and understand its significance in facilitating efficient and effective maritime transportation.• To equip students with the analytical skills necessary to analyze the complexities and challenges involved in international shipping operations, including transportation modes, freight forwarding, and supply chain management.• To familiarize students with the regulatory frameworks, policies, and legal aspects governing international logistics and port operations.• To enhance the critical thinking, problem-solving, and decision-making skills of students, specifically in the context of managing international logistics and port operations.
Intended Learning Outcomes	<p>Upon completion of the subject, students will be able to:</p> <ol style="list-style-type: none">a) Demonstrate an in-depth understanding of the theories, concepts, and principles of international logistics and port operations.b) Apply analytical and critical thinking skills to evaluate and solve complex problems related to international logistics and port operations.c) Develop strategies and plans for efficient and sustainable management

	<p>of port operations, including logistics, supply chain, and transportation networks.</p> <p>d) Conduct independent research and contribute to the advancement of knowledge in the field of international logistics and port operations through the completion of a dissertation or research project.</p> <p>e) Communicate effectively with stakeholders in the global shipping industry, including shipping companies, port authorities, customs agencies, and logistics service providers.</p>
<p>Subject Synopsis/ Indicative Syllabus</p>	<ul style="list-style-type: none"> • Introduction to international logistics and port operations • Global trade dynamics • Port operations and management: • Supply chain management • Transportation modes and modal choice • Port economics and finance • Logistics network design • Maritime law and regulations • Port security and risk management • Emerging technologies in international logistics and port operations • Port infrastructure planning and development • Port marketing and business development • Port governance and stakeholder management • Port performance measurement and benchmarking • Environmental sustainability in port operations • Current trends and future directions
<p>Teaching/Learning Methodology</p>	<p>The teaching method for this course will incorporate a balanced approach of lectures and class discussions. Lectures will serve to provide students with a solid foundation in "International Logistics and Port Operations" and an analytical framework for the subject. These lectures will introduce key concepts and theories, offering a comprehensive understanding of the topic.</p> <p>Class discussions will play a crucial role in facilitating the exchange of experiences and ideas among students. They will provide an opportunity for students to actively engage with the subject matter, express their viewpoints, and learn from their peers. The discussions will foster a collaborative learning environment, enabling students to deepen their understanding through interactive dialogue.</p> <p>To enhance learning and reinforce knowledge, assigned readings and analytical case studies will be assigned. These materials will serve to consolidate and develop students' knowledge, skills, and interest in the subject. Through these readings and case studies, students will gain practical insights and real-world applications of the concepts discussed in class.</p>

Assessment Methods in Alignment with Intended Learning Outcomes	Specific assessment methods/tasks	% weighting	Intended subject learning outcomes to be assessed (Please tick as appropriate)				
			a	b	c	d	e
	1. Course Work	60 %	√	√	√	√	√
	2. Individual assessment – final assessment	40 %	√	√	√	√	√
	Total	100 %					
	<p>To reflect the significant technology content in this subject, 10% (or more) of the overall weighting of this subject is based on individual assessment concerning technology-related knowledge.</p> <p>Explanation of the appropriateness of the assessment methods in assessing the intended learning outcomes:</p> <p>Assessment: The assessment will be based on two components:</p> <p>a) The individual assignment will contribute 40% to the course assessment. The objective of the assignment is for students to demonstrate their understanding of international logistics and port operations concepts and their ability to apply them to real-world scenarios. Through this assignment, students will have the opportunity to showcase their analytical skills, problem-solving abilities, and knowledge application, ensuring a comprehensive assessment of their grasp on the subject matter.</p> <p>b) Class discussion of cases, participation and presentation will in total contribute to a weight of the remaining 60% in the course.</p>						
Student Study Effort Expected	Class contact:						
	▪ Lectures / Tutorials		30 Hrs.				
	Other student study effort:						
	▪ Term project		96 Hrs.				
	Total student study effort		126 Hrs.				
Reading List and References	<p>Bichou, K. (2014). Port operations, planning and logistics. CRC Press.</p> <p>Ducruet, C., & Notteboom, T. (Eds.). (2023). Port Systems in Global Competition: Spatial-Economic Perspectives on the Co-Development of Seaports. Taylor & Francis.</p> <p>Mangan, J., & Lalwani, C. (2016). Global logistics and supply chain management. John Wiley & Sons.</p> <p>Notteboom, T., Pallis, A., & Rodrigue, J. P. (2022). Port economics,</p>						

	<p>management and policy. Routledge.</p> <p>Shibasaki, R., Kato, H., & Ducruet, C. (Eds.). (2020). Global Logistics Network Modelling and Policy: Quantification and Analysis for International Freight. Elsevier.</p> <p>Song, D. W., & Panayides, P. (2012). Maritime logistics: a complete guide to effective shipping and port management. Kogan Page Publishers.</p> <p>Stopford, M. (2009) <i>Maritime Economics</i>, 3rd Ed., Routledge, London.</p> <p>Talley, W. K. (2017). Port economics. Routledge.</p> <p>Waters, D. (2021). Logistics An Introduction to supply chain management. Palgrave macmillan.</p> <p>Waters, D., & Rinsler, S. (2014). Global logistics: New directions in supply chain management. Kogan Page Publishers.</p> <p>Wayne K. Talley (2011). The Blackwell companion to Maritime Economics. Wiley-Blackwell, ISBN 978-1-4443-3024-3.</p>
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