

The Hong Kong Polytechnic University

Subject Description Form

Subject Code	LGT3003
Subject Title	Intermodalism
Credit Value	3
Level	3
Normal Duration	1-semester
Pre-requisite / Co-requisite/ Exclusion	Nil
Objectives	This subject enables students to understand the application of concepts of international trade and transport economics in the transportation of container via multi transport modes.
Intended Learning Outcomes	<p>On successfully completing this subject, students will be able to:</p> <ol style="list-style-type: none"> a. contribute to the solution of business related problems in intermodal operations; b. foster intellectual and personal development, self-confidence and the ability to tackle problems without supervision; c. present intermodal discipline in an integrated form which reflects sound business practices; d. develop approaches to defining, analysing and solving problems, whether those problems are structured or unstructured; e. develop the ability to communicate effectively and fluently in both written and spoken forms; and <p>Studying this subject will also help develop students' global outlook, critical and creative thinking, cultural appreciation, life-long learning, and entrepreneurship and leadership.</p>
Subject Synopsis/ Indicative Syllabus	<ol style="list-style-type: none"> 1. Introduction to intermodal transport <ul style="list-style-type: none"> • Development of intermodal transport • Current issues in China's multimodal transport • Intermodal transport and OBOR • Intermodal transport in Hong Kong • Intermodal transport business models 2. Intermodal transport system <ul style="list-style-type: none"> • Service & Operational characteristics of various transport modes • Physical flow in container transport • Intermodal system management and economics • Intermodal logistics

	<ul style="list-style-type: none"> • Modelling of intermodal systems • Documentation and liability regimes in multimodal transport <p>3. Container shipping</p> <ul style="list-style-type: none"> • Liner shipping management • Empty container management • Current issues in intermodal maritime security <p>4. Terminal operations</p> <ul style="list-style-type: none"> • Intermodal terminal design and operations • Port interface and development • Agile port • Current issues in terminal operations and port development 																																	
<p>Teaching/Learning Methodology</p>	<p>In the lectures the general principles of the syllabus topic will be presented and developed, together with guidance on further reading and activities. Lectures may also be used for the presentation and discussion of leading cases.</p> <p>In the seminars, students will develop and apply the general principles of the topic in student-centred activities, including role-plays, student presentations and discussions.</p>																																	
<p>Assessment Methods in Alignment with Intended Learning Outcomes</p>	<table border="1" data-bbox="534 1120 1481 1523"> <thead> <tr> <th rowspan="2">Specific assessment methods/tasks</th> <th rowspan="2">% weighting</th> <th colspan="5">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>e</th> </tr> </thead> <tbody> <tr> <td>Coursework</td> <td>50%</td> <td>✓</td> <td>✓</td> <td>✓</td> <td>✓</td> <td>✓</td> </tr> <tr> <td>Examination</td> <td>50%</td> <td>✓</td> <td>✓</td> <td></td> <td>✓</td> <td></td> </tr> <tr> <td>Total</td> <td>100 %</td> <td colspan="5"></td> </tr> </tbody> </table> <p>Explanation of the appropriateness of the assessment methods in assessing the intended learning outcomes:</p> <p>The coursework includes an assignment (10%), a mini group project requiring written report with presentation (25%), and participation in role-plays and/or discussions (10%), and punctual attendance (5%).</p>	Specific assessment methods/tasks	% weighting	Intended subject learning outcomes to be assessed (Please tick as appropriate)					a	b	c	d	e	Coursework	50%	✓	✓	✓	✓	✓	Examination	50%	✓	✓		✓		Total	100 %					
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<p>Student Study Effort Expected</p>	<table border="1" data-bbox="534 1760 1481 2087"> <tr> <td>Class contact:</td> <td></td> </tr> <tr> <td>▪ Lecture</td> <td>26 Hrs.</td> </tr> <tr> <td>▪ Seminar</td> <td>13 Hrs.</td> </tr> <tr> <td>Other student study effort:</td> <td></td> </tr> <tr> <td>▪ Project</td> <td>39 Hrs.</td> </tr> </table>	Class contact:		▪ Lecture	26 Hrs.	▪ Seminar	13 Hrs.	Other student study effort:		▪ Project	39 Hrs.																							
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	<ul style="list-style-type: none"> ▪ Reading 	48 Hrs.
	Total student study effort	126 Hrs.
Reading List and References	<p>Monios J. and Bergqvist R. (Eds.) (2017), <i>Intermodal Freight Transport & Logistics</i>, CRC Press</p> <p>Gordon. G. A. and Young R. R. (Eds.) (2021), <i>Intermodal Maritime Security – Supply Chain Risk Mitigation</i>, Elsevier</p> <p>Rodrigue, J-P (ed) (2020), <i>The Geography of Transport Systems</i>, Fifth Edition, New York: Routledge</p> <p>Taylor, B. I. (2019). <i>Introduction to Management Science</i>, Global Edition. Pearson Education, Limited.</p> <p>Notteboom T. (Ed.), (2011), <i>Current Issues in Shipping, Ports and Logistics</i>, UPA, Antwerp</p> <p>Stadkowski, A. (Ed.), (2022), <i>Modern Trends and Research in Intermodal Transportation</i>, Springer. https://link.springer.com/book/10.1007/978-3-030-87120-8</p> <p>European Court of Auditors (2023), <i>Special Report 08/2023: Intermodal freight transport – EU still far from getting freight off the road.</i> https://www.eca.europa.eu/Lists/ECADocuments/SR-2023-08/SR-2023-08_EN.pdf</p> <p>Lowe D. (2006), <i>Intermodal Freight Transport</i>, Elsevier</p> <p>Lun Y.H.V., Lai K.H. and Cheng T.C.E. (2010), <i>Shipping and Logistics Management</i>, Springer</p> <p>Bichou K. (2019), <i>Port Operations, Planning and Logistics</i>, Informa</p> <p>Branch, A. (2014), <i>Elements of Shipping</i>, Routledge</p> <p>Coyle J.J., Novack R.B., Gibsom B.J., Bardi E.J. (2011), <i>Management of Transportation</i>, South-Western Cengage Learning</p> <p>Fricke J.D. and Whitford R.K. (2004), <i>Fundamentals of Transportation Engineering: A Multimodal Systems Approach</i>, Pearson</p> <p>Gubbins E. (2004), <i>Managing Transport Operations</i>, Kogan Page</p> <p>Lun Y.H.V., Lai K.H. and Cheng T.C.E. (2009), <i>Container Transport Management</i>, Inderscience</p> <p>Scholarly journals: <i>International Journal of Shipping and Transport Logistics</i> <i>Transport Reviews</i></p>	