

HONG KONG IGDS - MSC MODULE OUTLINE

Subject Title	Transport Techniques and Management (TTM)	
	<i>HK PolyU</i>	<i>WarwickU</i>
Subject Code	ISE5766	WM9E3-15
Credit Value	3	15
Level	Level 5	Taught Postgraduate Level
Pre-requisite/ Co-requisite/Exclusion	None but some preliminary reading of transport techniques and management would be beneficial.	
Introduction	<p>The Transport Techniques and Management module explores the integration of freight transportation in logistics & supply chain management through the different freight transport modes, operations, technologies and the environment. The module is delivered through lectures, discussions, case studies, simulation exercises and industry exposure. Freight transportation management, plays a critical role in the world as it enables the movement of materials and products between suppliers and customers. It facilitates local and international trade, while employing millions of people globally. While there are many complexities in freight transportation, it is vital that it is managed in a sustainable manner.</p>	
Objectives	<p>No 1 To develop in learners the ability to evaluate different freight transport modes and decide on the most appropriate mode based on diverse criteria.</p> <p>No 2 To design sustainable freight transport solutions using various techniques.</p> <p>No 3 To cultivate the ability to investigate and critique freight transport operations across multiple modes.</p> <p>No 4 to evaluate the impact of freight transport on the environment and learn how to manage freight transport in a sustainable manner.</p>	
Intended Learning Outcomes (ILO's) (Note 1)	<p>Upon completion of the subject, participants will be able to:</p> <p>No 1 evaluate different freight transport modes and decide on the most appropriate mode or combination of modes based on diverse criteria.</p> <p>No 2 design sustainable freight transport solutions using various transport planning and management techniques.</p> <p>No 3 investigate and critique freight transport operations and systems locally, regionally and internationally.</p> <p>No 4 evaluate the impact of freight transport on the environment and learn how to manage freight transport in a sustainable manner.</p>	
Indicative Syllabus Topics (Note 2)	<p>No 1 Role of freight transport in logistics and supply chain management</p> <p>No 2 Freight transport modes and operations</p> <p>No 3 Intermodal freight transport integration</p> <p>No 4 Information and communication technologies in freight transport</p> <p>No 5 International freight transport and freight forwarding</p> <p>No 6 Freight transport networks and planning</p> <p>No 7 Sustainable freight transport management</p>	

<p align="center">Teaching/Learning Methodology (Note 3)</p>	<p>A combination of lectures and case studies are used to deliver the various topics in this module. A series of case studies are discussed in a problem-based format where participants are required to apply the tools and techniques learnt to tackle difficulties and strike for a successful operations strategy. All these enhance the learning objectives and learning outcomes.</p>																															
	<p align="center"><u>Alignment between Teaching/Learning Methodologies and ILOs:</u></p>																															
	<table border="1"> <thead> <tr> <th rowspan="2">Teaching/Learning Methodologies</th> <th colspan="4">Intended Subject Learning Outcomes to be assessed</th> </tr> <tr> <th>No 1</th> <th>No 2</th> <th>No 3</th> <th>No 4</th> </tr> </thead> <tbody> <tr> <td>Lecture</td> <td align="center">√</td> <td align="center">√</td> <td align="center">√</td> <td align="center">√</td> </tr> <tr> <td>Case studies</td> <td></td> <td align="center">√</td> <td align="center">√</td> <td align="center">√</td> </tr> </tbody> </table>				Teaching/Learning Methodologies	Intended Subject Learning Outcomes to be assessed				No 1	No 2	No 3	No 4	Lecture	√	√	√	√	Case studies		√	√	√									
Teaching/Learning Methodologies	Intended Subject Learning Outcomes to be assessed																															
	No 1	No 2	No 3	No 4																												
Lecture	√	√	√	√																												
Case studies		√	√	√																												
<p align="center">Assessment Methods in Alignment with Intended Learning Outcomes (Note 4)</p>	<table border="1"> <thead> <tr> <th rowspan="2">Assessment Methods/ Tasks</th> <th rowspan="2">% Weight</th> <th colspan="4">Intended Learning Outcomes (ILO's)</th> </tr> <tr> <th>No 1</th> <th>No 2</th> <th>No 3</th> <th>No 4</th> </tr> </thead> <tbody> <tr> <td>1. Group Work & Presentation</td> <td align="center">20</td> <td></td> <td align="center">√</td> <td align="center">√</td> <td align="center">√</td> </tr> <tr> <td>2. Post Module Assignment (PMA)</td> <td align="center">80</td> <td align="center">√</td> <td align="center">√</td> <td align="center">√</td> <td align="center">√</td> </tr> <tr> <td align="center">Total</td> <td align="center">100</td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>				Assessment Methods/ Tasks	% Weight	Intended Learning Outcomes (ILO's)				No 1	No 2	No 3	No 4	1. Group Work & Presentation	20		√	√	√	2. Post Module Assignment (PMA)	80	√	√	√	√	Total	100				
Assessment Methods/ Tasks	% Weight	Intended Learning Outcomes (ILO's)																														
		No 1	No 2	No 3	No 4																											
1. Group Work & Presentation	20		√	√	√																											
2. Post Module Assignment (PMA)	80	√	√	√	√																											
Total	100																															
	<p>Explanation of the appropriateness of the assessment methods in assessing the intended learning outcomes: The case studies will cover main topics covered in the module which will therefore embrace all the learning outcomes. The PMA requires participants to apply what they have learnt in the module to their own work environment. These will embrace the ILO's albeit in different work situations.</p>																															
<p align="center">Student Study Effort Required</p>	<table border="1"> <tr> <td>Class Contact:</td> <td></td> </tr> <tr> <td>▪ Lecture</td> <td align="center">20 Hours</td> </tr> <tr> <td>▪ Case Study</td> <td align="center">10 Hours</td> </tr> <tr> <td>Other Participant Study Effort:</td> <td></td> </tr> <tr> <td>▪ Private Study</td> <td align="center">120 Hours</td> </tr> <tr> <td>Total Participant Study Effort</td> <td align="center">150 Hours</td> </tr> </table>				Class Contact:		▪ Lecture	20 Hours	▪ Case Study	10 Hours	Other Participant Study Effort:		▪ Private Study	120 Hours	Total Participant Study Effort	150 Hours																
Class Contact:																																
▪ Lecture	20 Hours																															
▪ Case Study	10 Hours																															
Other Participant Study Effort:																																
▪ Private Study	120 Hours																															
Total Participant Study Effort	150 Hours																															
<p align="center">Reading List and References</p>	<p>The list given to participants covers core texts mainly and embraces all the topics covered in the module. In total there are 10 references provided. They can be found in the Folder Notes given to participants at the commencement of the module.</p>																															

Note 1: Intended Learning Outcomes

Intended learning outcomes state what students should be able to do or attain upon completion of the subject. Subject outcomes are expected to contribute to the attainment of the overall programme outcomes.

Note 2: Subject Synopsis/ Indicative Syllabus

The syllabus adequately addresses the intended learning outcomes. At the same time over-crowding of the syllabus has been avoided.

Note 3: Teaching/Learning Methodology

This section includes a brief description of the teaching and learning methods to be employed to facilitate learning, and a justification of how the methods are aligned with the intended learning outcomes of the subject.

Note 4: Assessment Method

This section includes the assessment method(s) used and its relative weighting, and indicates which of the subject intended learning outcomes that each method assesses. It also provides a brief explanation of the appropriateness of the assessment methods in assessing the intended learning outcomes.