

# HONG KONG IGDS - MSC MODULE OUTLINE

<b>Subject Title</b>	<b>Innovation (INNO)</b>	
	<i>HK PolyU</i>	<i>WarwickU</i>
<b>Subject Code</b>	ISE5770	ES956-15
<b>Credit Value</b>	3	15
<b>Level</b>	Level 5	Taught Postgraduate Level
<b>Pre-requisite/ Co-requisite/Exclusion</b>	None but some preliminary reading of innovation would be beneficial.	
<b>Introduction</b>	<p>This module enables participants from various professional and academic backgrounds to critically assess the value of approaches designed to facilitate innovation in various organizational contexts. Participants will apply concepts, models and frameworks to understand and critically evaluate the potential for innovation in corporations and start-ups. There is an emphasis on innovation management and its critical alignment with strategy in order to deliver measurable commercial gains. The concepts and models discussed can be used by participants based in varying industrial and professional settings and at different stages of career. Upon completion, they will be able to deploy innovative thinking tools which will support set strategic objectives, scope the impact of new competitive pressures and identify new disruptive opportunities for the organizations they are based at. Along with an engagement with the various innovation bodies-of-knowledge, toolkits, management techniques and case studies, there is a robust emphasis on application of learning through the use of Escape Room pedagogy, a Lego Mindstorms-based workshop and an online industry standard innovation and strategy simulation. These methods help in the augmentation and contextualization of learning on the topic and add a vocational dimension to the teaching and learning strategies adopted for the module.</p>	
<b>Objectives</b>	<p>No 1 To develop a set of skills in participants that help them 'do' innovation in a commercial context. This necessitates learning 'about' concepts, models and frameworks to critically evaluate the nature of creativity, innovation and entrepreneurship. Participants are required to think about non-traditional and new approaches for sourcing and commercialising intellectual property from the perspective of both industrialized and developing or emerging economy contexts.</p> <p>No 2 To critically assess the limitations of extant models and methods, and be able to configure the conditions under which such methods and models would yield 'ideal' outcomes.</p>	
<b>Intended Learning Outcomes (ILO's) (Note 1)</b>	<p>Upon completion of the module, participants will be able to:</p> <p>No 1 evaluate the nature of innovation and be able to identify the potential for innovation within a new venture creation context.</p> <p>No 2 systematically analyse the impact of innovation on the performance of industries.</p> <p>No 3 critically assess the key tools and techniques for managing innovation for application to actual business situations.</p> <p>No 4 apply practical innovation management skills as part of a team.</p>	

<p><b>Indicative Syllabus Topics</b> (Note 2)</p>	<p>No 1 Innovation 2.0 with new and digital media  No 2 Entrepreneurial effectuation  No 3 New technologies and public sector innovation  No 4 Disruptive innovation and 'jobs-to-be-done'  No 5 Intellectual property management with Stage Gates  No 6 Practising creativity with new toolkits  No 7 Innovation "Escape Room" Challenge  No 8 Innovation commercialization with Lego Mindstorms EV3  No 9 Innovation &amp; Strategy with StratSim Management</p>																												
<p><b>Teaching/Learning Methodology</b> (Note 3)</p>	<p>Lectures and case studies are used to deliver the various topics in this module. Several real cases are discussed for enhancing the learning objectives and learning outcomes.</p> <p><u>Alignment between Teaching/Learning Methodologies and ILOs:</u></p> <table border="1" data-bbox="583 625 1437 804"> <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>√</td> <td>√</td> <td>√</td> <td>√</td> </tr> <tr> <td>Case studies</td> <td>√</td> <td>√</td> <td>√</td> <td>√</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><b>Assessment Methods in Alignment with Intended Learning Outcomes</b> (Note 4)</p>	<table border="1" data-bbox="583 898 1437 1192"> <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. In-Module Assessments</td> <td>40</td> <td>√</td> <td>√</td> <td>√</td> <td>√</td> </tr> <tr> <td>2. Post Module Assignment (PMA)</td> <td>60</td> <td>√</td> <td>√</td> <td>√</td> <td>√</td> </tr> <tr> <td><b>Total</b></td> <td><b>100</b></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table> <p>Explanation of the appropriateness of the assessment methods in assessing the intended learning outcomes: The case studies cover main themes of 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>	Assessment Methods/Tasks	% Weight	Intended Learning Outcomes (ILO's)				No 1	No 2	No 3	No 4	1. In-Module Assessments	40	√	√	√	√	2. Post Module Assignment (PMA)	60	√	√	√	√	<b>Total</b>	<b>100</b>				
Assessment Methods/Tasks	% Weight			Intended Learning Outcomes (ILO's)																									
		No 1	No 2	No 3	No 4																								
1. In-Module Assessments	40	√	√	√	√																								
2. Post Module Assignment (PMA)	60	√	√	√	√																								
<b>Total</b>	<b>100</b>																												
<p><b>Student Study Effort Required</b></p>	<table border="1" data-bbox="583 1419 1437 1667"> <tr> <td colspan="2">Class Contact:</td> <td></td> </tr> <tr> <td>▪ Lecture</td> <td></td> <td>20 Hours</td> </tr> <tr> <td>▪ Case Study</td> <td></td> <td>10 Hours</td> </tr> <tr> <td colspan="2">Other Participant Study Effort:</td> <td></td> </tr> <tr> <td>▪ Private Study</td> <td></td> <td>120 Hours</td> </tr> <tr> <td colspan="2">Total Participant Study Effort</td> <td>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><b>Reading List and References</b></p>	<p>The list given to participants focuses on core texts only and embraces all the topics covered in the module. In total there are 12 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.