

HONG KONG IGDS - MSC MODULE OUTLINE

Subject Title	Study, Professional & Analytical Skills (SPA)	
	<i>HK PolyU</i>	<i>WarwickU</i>
Subject Code	ISE5755	WM999-15
Credit Value	3	15
Level	Level 5	Taught Postgraduate Level
Pre-requisite/ Co-requisite/Exclusion	None but some preliminary reading of analytical skills would be beneficial.	
Introduction	Adopting a blended learning approach, the Study, Professional & Analytical (SPA) Skills Module is purposefully designed to meet the complex learning and professional needs of postgraduate students. The module is developed to address the three key requirements in student development i.e. their study, professional and analytical skills. The three forms of skills are embedded within the module material signifying to students the importance and interlinking of the three types of skills. This blended module runs with the student learning journey providing a programme of carefully designed learning activities, materials, and resources.	
Objectives	<p>No 1 To deliver a series of high quality, interactive sessions and blended learning activities that will provide students with the means to gain a broad range of graduate level study, professional and analytical skills necessary to succeed in their chosen field.</p> <p>No 2 To provide students with high quality blended learning opportunities to gain a broad knowledge about the process and presentation of research for engineering and business subjects, including awareness to ethical concerns, methods for data collection, techniques for data analysis and design of research proposals.</p>	
Intended Learning Outcomes (ILO's) (Note 1)	<p>Upon completion of the subject, participants will be able to:</p> <p>No 1 critically evaluate a research problem and draw conclusions from it using literature.</p> <p>No 2 communicate critical analysis and evaluation of research effectively in verbal and written format.</p> <p>No 3 select appropriate research design and methodologies for complex problems providing clear rationale for selected approaches.</p> <p>No 4 analyse ethical issues involved in a research design.</p> <p>No 5 design a feasible research project to be completed in limited time and resources</p>	
Indicative Syllabus Topics (Note 2)	<p>No 1 Study Skills sessions cover the wide-range of academic support topics that students need to succeed at postgraduate level, including their post-module assignments. This includes critical thinking, academic writing, and academic integrity (including referencing). Study Skills is purposefully designed to enable students to succeed, irrespective of previous qualifications, areas of study, culture or discipline.</p> <p>No 2 Professional Skills sessions provide students the opportunity to develop a range of implicit and explicit transferable, employability skills which may be applied across all aspects of</p>	

	<p>learning and will link directly to future careers. These skills are embedded throughout the module and are constructively aligned with the Warwick Core Skills.</p> <p>No 3 Analytical Skills sessions provide students with the required high level of knowledge and skills about research and research methods to enable students to undertake and successfully complete an independent dissertation and original piece of research.</p>																																	
<p>Teaching/Learning Methodology (Note 3)</p>	<p>A combination of lectures and case studies are used to deliver the various themes in this subject. Especially, guest speakers from industrial or commercial sectors who are invited to share their significant business experience in a problem-solving approach. This helps enhance the learning objectives and intended learning outcomes (ILOS's).</p> <p><u>Alignment between Teaching/Learning Methodologies and ILOs:</u></p> <table><tr><td>Teaching/Learning Methodologies</td><td colspan="5">Intended Subject Learning Outcomes to be assessed</td></tr><tr><td></td><td>No 1</td><td>No 2</td><td>No 3</td><td>No 4</td><td>No 5</td></tr><tr><td>Lecture</td><td>√</td><td>√</td><td>√</td><td>√</td><td>√</td></tr><tr><td>Case studies</td><td>√</td><td>√</td><td>√</td><td>√</td><td>√</td></tr></table>	Teaching/Learning Methodologies	Intended Subject Learning Outcomes to be assessed						No 1	No 2	No 3	No 4	No 5	Lecture	√	√	√	√	√	Case studies	√	√	√	√	√									
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<p>Assessment Methods in Alignment with Intended Learning Outcomes (Note 4)</p>	<table><tr><td rowspan="2">Assessment Methods/Tasks</td><td rowspan="2">% Weight</td><td colspan="5">Intended Learning Outcomes (ILO's)</td></tr><tr><td>No 1</td><td>No 2</td><td>No 3</td><td>No 4</td><td>No 5</td></tr><tr><td>1. In-module Work</td><td>50</td><td>√</td><td>√</td><td>√</td><td>√</td><td>√</td></tr><tr><td>2. Post Module Assignment (PMA)</td><td>50</td><td>√</td><td>√</td><td>√</td><td>√</td><td>√</td></tr><tr><td>Total</td><td>100</td><td></td><td></td><td></td><td></td><td></td></tr></table> <p>Explanation of the appropriateness of the assessment methods in assessing the intended learning outcomes (ILO's).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	No 5	1. In-module Work	50	√	√	√	√	√	2. Post Module Assignment (PMA)	50	√	√	√	√	√	Total	100					
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<p>Student Study Effort Required</p>	<table><tr><td>Class Contact:</td><td></td></tr><tr><td>Lecture</td><td>18 Hours</td></tr><tr><td>Assignment & activity</td><td>27 Hours</td></tr><tr><td>Other Participant Study Effort:</td><td></td></tr><tr><td>Private Study</td><td>105 Hours</td></tr><tr><td>Total Participant Study Effort</td><td>150 Hours</td></tr></table>	Class Contact:		Lecture	18 Hours	Assignment & activity	27 Hours	Other Participant Study Effort:		Private Study	105 Hours	Total Participant Study Effort	150 Hours																					
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<p>Reading List and References</p>	<p>The list given to participants covers core texts only and embraces all the topics covered in the module. In total there are about 40 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.