

## The Hong Kong Polytechnic University

### Subject Description Form

*Please read the notes at the end of the table carefully before completing the form.*

<b>Subject Code</b>	LGT5256
<b>Subject Title</b>	风险, 強韌性及创新 Risk, Resilience, and Innovation
<b>Credit Value</b>	3
<b>Level</b>	5
<b>Pre-requisite/ Co-requisite/ Exclusion</b>	<b>Exclusion: LGT5156 ISO 9000 and International Quality Standards ISO 9000 及国际质量认证</b>
<b>Objectives</b>	<p>To equip students with the ability to identify, assess, and strategically manage risks to foster organizational resilience and innovation.</p> <p>To develop students' skills in applying theoretical knowledge of risk management and resilience to drive innovation in business processes and products.</p> <p>To cultivate critical thinking and leadership abilities to lead organizations through uncertain and challenging environments.</p> <p>1. 装备学生识别、评估和战略管理风险的能力，以促进组织的強韌性和创新。</p> <p>2. 培养学生运用风险管理和強韌性的理论知识，推动商业流程和产品的创新的技能。</p> <p>3. 培养批判性思维和领导能力，引导组织度过不确定和具有挑战性的时期。</p> <p>本科目有助于達到以下硕士课程的预期学习成果： 品质管理理学硕士学位</p> <p>学习成果#1: 掌握全面质量管理</p>
<b>Intended Learning Outcomes</b> <i>(Note 1)</i>	Upon completion of the subject, students will be able to:

	<ul style="list-style-type: none"> <li>(a) Analyze various types of risks, employing effective strategies to mitigate their impact on organizational operations and objectives.</li> <li>(b) Design and implement resilience-building initiatives that prepare organizations to withstand, recover from disruptions and challenges.</li> <li>(c) Innovate within the framework of risk management and risk-based thinking, proposing creative solutions that drive organizational growth and competitive advantage in a dynamic business environment.</li> <li>(d) Critically evaluate the role of leadership in fostering a culture of innovation and resilience.</li> <li>(e) Apply ethical and sustainable practices in decision-making processes, balancing organizational and societal welfare.</li> </ul> <p>课程完成后，学生将能够：</p> <ul style="list-style-type: none"> <li>(a) 分析各种类型的风险，采用有效策略减轻其对组织运营和目标的影响。</li> <li>(b) 设计和实施增强韧性的倡议，帮助组织抵御运营中断和從挑战中快速恢复。</li> <li>(c) 在风险管理和基于风险的思考框架内创新，提出推动组织增长和在动态商业环境中获得竞争优势的创意解决方案。</li> <li>(d) 批判性地评估领导力在培育创新和强韧性文化中的作用。</li> <li>(e) 在决策过程中应用道德和可持续发展的概念，平衡组织和社会利益。</li> </ul>
<p><b>Subject Synopsis/ Indicative Syllabus</b></p> <p>(Note 2)</p>	<ul style="list-style-type: none"> <li>1. Identify and Analyze Risks: Understand various types of business risks and demonstrate the ability to identify, assess, and analyze these risks using contemporary methodologies and risk-based thinking.</li> <li>2. Develop Resilience Strategies: Formulate strategies to enhance the resilience of organizations, enabling them to withstand and recover from disruptions.</li> <li>3. Foster Innovation: Cultivate an innovative mindset and apply strategies that encourage innovation within organizations, balancing the need for innovation with risk management principles.</li> <li>4. Implement Risk Management Practices: Develop and implement effective risk management practices that protect the organization while fostering a culture that supports growth and innovation.</li> <li>5. Apply Theoretical Concepts to Real-World Scenarios: Analyze and apply risk management principles, organizational resilience, and innovation to real-world business scenarios through case studies and project work.</li> </ul>

	<p>6. Lead and Influence Organizational Culture: Understand the role of leadership and organizational culture in supporting risk management, resilience, and innovation efforts.</p> <p>This subject shall provide students with the skills and knowledge to navigate the complexities of the modern business environment, emphasizing the critical balance between managing risks, enhancing resilience, and driving innovation.</p> <p>1. 识别和分析风险：理解各种商业风险类型并展示运用现代方法和基于风险的思维来识别、评估和分析这些风险的能力。</p> <p>2. 发展韧性战略：制定策略以增强组织的韧性，使其能够承受并从运营中断中快速恢复。</p> <p>3. 促进创新：培养创新思维并应用策略，在组织内鼓励创新，同时平衡创新需求与风险管理原则。</p> <p>4. 实施风险管理实践：开发并实施有效的风险管理实践，以保护组织同时促进支持增长和创新的文化。</p> <p>5. 将理论概念应用于现实世界场景：通过案例研究和小组项目，分析并应用风险管理原则、组织韧性和创新于现实世界的商业场景。</p> <p>6. 领导和影响组织文化：理解领导力和组织文化在支持风险管理、韧性和创新努力中的作用。</p> <p>本课程将为学生提供技能和知识，以应对现代商业环境的复杂性，强调在管理风险、增强韧性和推动创新之间的关键平衡。</p>
<p><b>Teaching/Learning Methodology</b> (Note 3)</p>	<p>Lecture</p> <ul style="list-style-type: none"> <li>- The lecture will illustrate key concepts and introduce risk management, and innovation management tools.</li> </ul> <p>Case studies</p> <ul style="list-style-type: none"> <li>- Group base discussion sessions that allow studies to apply the tools and concepts.</li> </ul>

<b>Assessment Methods in Alignment with Intended Learning Outcomes</b>  (Note 4)	Specific assessment methods/tasks	% weighting	Intended subject learning outcomes to be assessed (Please tick as appropriate)					
			a	b	c	d	e	
	Group Project	40	✓	✓	✓	✓	✓	
	Examination	60	✓	✓	✓	✓	✓	
	Total	100 %						
<b>Student Study Effort Expected</b>	Class contact:							
	▪ Lecture							42 Hrs.
	▪							Hrs.
	Other student study effort:							
	▪ Reading							44 Hrs.
	▪ Group project							40 Hrs.
	Total student study effort							126 Hrs.
<b>Reading List and References</b>	Aven, Terje. "Risk assessment and risk management: Review of recent advances on their foundation." <i>European Journal of Operational Research</i> 253, no. 1 (2016): 1-13.							
	Buliga, Oana, Christian W. Scheiner, and Kai-Ingo Voigt. "Business model innovation and organizational resilience: towards an integrated conceptual framework." <i>Journal of Business Economics</i> 86 (2016): 647-670.							
	Fiksel, Joseph, and Joseph Fiksel. <i>From risk to resilience</i> . Island Press/Center for Resource Economics, 2015.							
	Hopkin, Paul. <i>Fundamentals of risk management: understanding, evaluating and implementing effective risk management</i> . Kogan Page Publishers, 2018.							
	Keizer, Jimme A., and Johannes IM Halman. "Diagnosing risk in radical innovation projects." <i>Research-Technology Management</i> 50, no. 5 (2007): 30-36.							

	<p>Kwaramba, Christopher S., Susan Meyer Goldstein, Erica F. Cooper, Quinton J. Nottingham, and Paul B. Lowry. "EXPRESS: Supply Chain Resilience as Endotherm Resilience: Theorizing Through Metaphorical Transfer." <i>Production and Operations Management</i> (2024): 10591478231224944.</p> <p>Li, Chengming, Si He, Yuan Tian, Shiqi Sun, and Lu Ning. "Does the bank's FinTech innovation reduce its risk-taking? Evidence from China's banking industry." <i>Journal of Innovation &amp; Knowledge</i> 7, no. 3 (2022): 100219.</p> <p>O'Connor, G. C., Ravichandran, T., &amp; Robeson, D. (2008). Risk management through learning: Management practices for radical innovation success. <i>The Journal of High Technology Management Research</i>, 19(1), 70-82.</p> <p>Taplin, R. (Ed.). (2005). <i>Risk management and innovation in Japan, Britain and the USA</i>. Routledge.</p> <p>Van Der Vegt, Gerben S., Peter Essens, Margareta Wahlström, and Gerard George. "Managing risk and resilience." <i>Academy of Management Journal</i> 58, no. 4 (2015): 971-980.</p> <p>Wieland, Andreas, and Christian F. Durach. "Two perspectives on supply chain resilience." <i>Journal of Business Logistics</i> 42, no. 3 (2021): 315-322.</p> <p>Wu, Jie, and Zefu Wu. "Integrated risk management and product innovation in China: The moderating role of board of directors." <i>Technovation</i> 34, no. 8 (2014): 466-476.</p>
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Note 1: Intended Learning Outcomes

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

Note 2: Subject Synopsis/Indicative Syllabus

The syllabus should adequately address the intended learning outcomes. At the same time, overcrowding of the syllabus should be avoided.

Note 3: Teaching/Learning Methodology

This section should include 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 should include the assessment method(s) to be used and its relative weighting, and indicate which of the subject intended learning outcomes that each method is intended to assess. It should also provide a brief explanation of the appropriateness of the assessment methods in assessing the intended learning outcomes.

(Form AR 140) 8.2020