The Hong Kong Polytechnic University

Subject Description Form

Subject Code	LGT3025
Subject Title	Maritime Risk Management
Credit Value	3
Level	3
Pre-requisite	AMA1501 Introductory to Statistics for Business
Role and Purpose	This subject seeks to develop the knowledge and analytical skills necessary in organizations related to logistics / maritime trade, for making risk management decisions and to ensure business continuity, through the application of risk management principles. This subject meets the following BBA Programme Learning Outcomes, by enabling students to: 1. Apply creative thinking in the business setting. **(Outcome 3)** 2. Identify and evaluate business opportunities and risks as they arise. **(Outcome 5)** 3. Evaluate the processes and structures through which organizations plan, decide, motivate and control their activities. **(Outcome 9)** 4. Identify and analyze those aspects of the domestic and global business environment that set the 'parameters of choice' within which business organizations set objectives and take actions. **(Outcome 10)** 5. Have sufficient professionally-specific skills and knowledge to make an immediate contribution to the organization in which they are first employed and to provide a base for their continuous professional development. **(Outcome 11)**
Subject Learning Outcomes	Upon completion of the subject, students will be able to: a. Identify risks and suggest appropriate risk management solutions, in logistics / maritime related businesses b. Understand human factors in safety and security and identify appropriate solutions to manage safety and security risks. c. Apply appropriate international standards and regulatory requirements for dealing with risks. d. Be familiar with risk management to a level that is adequate for continued self-enhancement of knowledge of the subject.
Subject Synopsis/ Indicative Syllabus	**Introduction** History of risk management, definitions of risk, differentiating risk, loss and hazard.

	Concepts in Risk Management Concepts in risk management, identifying assets that need risk management, responsibility for risk management. **Identifying and Managing risks** Business process risks, market risks, organizational risks, socio-economic and environmental risks. Controllable and uncontrollable risks, low frequency and random risks. **Assessing Risks** Perceptions of risks, strategic and tactical approaches to risks, assessing various types of risks, Limitations of qualitative and quantitative risk assessment and choosing between them. **Risk reduction strategies** Risk reduction strategies, risk avoidance, risk acceptance, 'do nothing', risk spreading, insurance, Identification, evaluation and ranking of risk reduction measures **Risk mitigation measures** Contingency planning, crisis management, responding to disasters and risk events. **Risk management plans** Cost of risk management, perceptions of risk and political factors, Security threats and insurance costs. **Safety and Security risks** Safety and security risks, human factors, Security threats to logistics / shipping. Piracy, Terrorism. Impact of disruptions in shipping. Resilience and vulnerability of shipping / logistics networks. **International Standards and Regulatory Requirements** International standards and regulatory requirements for managing risks. ISM and ISPS Codes, CSI, C-TPAT.
Teaching / Learning Methodology	Lectures introduce and explain key theoretical concepts. Lectures are supplemented by tutorial discussions where concepts are linked to real events in the industry through appropriate examples and their analysis. Discussions are highly interactive and include discussions of current / past events, case studies and student presentations. Students are expected to actively participate in the classes and to share their experience and learn from each other.

Assessment Methods in Alignment with Intended Learning Outcomes

Specific assessment methods/tasks	% weighting	Intended subject learning outcomes to be assessed (Please tick as appropriate)			
		a	b	c	d
Continuous Assessment					
Weekly Case Analysis / Assignments/ quiz	40%	✓	✓	✓	
Participation in class discussions / Attendance	20%	✓	✓	✓	
Examination					
Final Examination	40%	✓	✓	✓	✓
Total	**100%**				

Students would be given regular feedback on their performance, by email or as comments on assignments submitted.

To pass this subject, students are required to obtain Grade D or above in BOTH the Continuous Assessment and Final Examination components.

Student Study Effort Expected

Class contact:	
▪ Lecture	26 Hrs.
▪ Tutorial/Seminar	13 Hrs.
Other student study effort:	
▪ Self-study	43 Hrs.
▪ Home work	40 Hrs.
Total student study effort	122 Hrs.

Reading List and References

<u>Recommended reading</u>

Haimes, Y. Y. (2004) *Risk Modeling, Assessment and Management*. New York: Wiley.

Stopford, M. (2009), *Maritime Economics*, 3rd edition, London: Routledge.

Hubbard, D.W. (2009) *The failure of risk management: why it's broken and how to fix it*. Hoboken, N.J.: J. Wiley & Sons.

Journal of business continuity & emergency planning. London: Henry Stewart Publications.