

The Hong Kong Polytechnic University

Subject Description Form

Subject Code	LGT5169
Subject Title	Airport Business Management
Credit Value	3
Level	5
Normal Duration	1-semester
Pre-requisite	Nil
Objectives	To provide an insight into the key issues crucial to the planning and management of airports.
Intended Learning Outcomes	<p>Upon completion of the subject, students will be able to:</p> <ol style="list-style-type: none"> a. Understand the key functions and operations of airports. b. Appreciate the airport planning and management process. c. Analyze air transport market and forecast airport demand. d. Manage airport aeronautical and commercial services.
Subject Synopsis/ Indicative Syllabus	<ul style="list-style-type: none"> • Airport commercialization, privatization, and regulation • Airport functions and systems • Airport congestion management and slot allocation • Air traffic management • Airport system planning • Airport master plan and land use planning • Airport safety and security management • Airport ground transportation planning • Air cargo management • Airport finance and commercial management • Hub development strategy • Synergy of intermodal transport • Internal trade and logistics strengthen by macro environment
Teaching/Learning Methodology	Lectures will be used to present the basic knowledge and how alternative skills can be applied to particular cases. Mini cases shall be used to give the students an updated view on the industry practices. Students are required to apply the knowledge and methodology learned in this course to conduct projects which are related to the management and operation of airports.

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	
	Coursework	50%		√	√	√	
	Examination	50%	√		√	√	
	Total	100 %					
Student Study Effort Expected	Class contact:						
	▪ Lectures / Tutorials						39 Hrs.
	Other student study effort:						
	▪ Self Study						87 Hrs.
	▪						Hrs.
	Total student study effort						126 Hrs.

**Reading List and
References**

Recommended Textbooks

Horonjeff, R., (2010), *Planning and Design of Airports*, McGraw-Hill
Neufville, R. and Odoni, A. (2003), *Airport Systems: Planning, Design and Management*, McGraw-Hill Professional.

Young, S., Wells. A., (2011), *Airport Planning and Management*, McGraw-hill Professional

Bradley. A., (2010), *The Independent Airport Planning Manual*, Woodhead Pub. Cambridge

Burghouwt G.,(2007), *Airline Network Development in Europe and its Implications for Airport Planning*, Ashgate, Aldershot, England

Supplementary References:

Ashford, N. (1992), *Airport Engineering*, McGraw-Hill

Ashord, N., Stanton, H. P. M. and Moore, C. A. (1997), *Airport Operations*, McGraw-Hill Professional.

Baldwin, R. (1998), *Developing the Future Aviation System*, Aldershot: Ashgate.

Belobaba P, Odoni, A, Barnhart, C., (2009) *The Global Airline Industry (Aerospace Series)*, Wiley

Blow, C. J. (1996), *Airport Terminals*, 2nd Edition, Oxford: Butterworth Architecture.

Blow, C. J. (2005), *Transport Terminals and Modal Interchanges*, Oxford: Elsevier.

Dempsey, P. S. (1999), *Airport Planning and Development Handbook: A Global Survey*, McGraw-Hill Professional.

Doganis, R., (2003), *Flying Off Course, Third Edition, The Economics of International Airlines*, Routledge

Doganis, R. (2001), *The Airline Business in the 21st Century*, Routledge.

Edwards, B. (2005), *The Modern Airport Terminal*, 2nd Edition, New York: Spon Press.

Forsyth, P. (2004), *The Economic Regulation of Airports*, Aldershot: Ashgate.

Jarach, D. (2005), *Airport Marketing: Strategies to Cope with the New Millennium Environment*, England: Ashgate.

Liu, W.M., Luk, M., (2009), *Reform and opening up: Way to the sustainable and harmonious development of air transport in China*, Transport Policy, Volume 16, Issue 5

Luk, M. (2003), *Planning and Design of Air Cargo Systems*, Transport & Logistics, Proceedings of the 8th Conference of Hong Kong Society for Transportation Studies, pp 310-319

Schwieterman, J.P. (1993), *Air Cargo and the Opening of China: New Opportunities for Hong Kong*, Chinese University Press.

Yeh, A., Hills, P., Ng, S., (2002), *Modern Transport in Hong Kong for the 21st Century*, Centre of Urban Planning and Environmental Management, University of Hong Kong, pp 69 - 104 & 247-256

Journals

Economics of Transportation

International Journal of Aviation Management

Journal of Air Transport Management

Journal of Air Transportation World Wide

Journal of Transport Economics and Policy

Journal of Transport Geography

Transportation Research Part A

Transportation Research Part D

Transportation Research Part E