

LOG341 Aviation Management

Level: 3

Credit Units: 5 Credit Units

Language: ENGLISH

Presentation Pattern: EVERY JULY

Synopsis:

Aviation is one of the main drivers in globalisation and economic development by connecting people, cultures and businesses across continents and providing millions of jobs to people. In Singapore, the aviation industry and its supply chain is a major contributor to the nation's GDP. LOG341 Aviation Management provides a broad overview of major elements in managing airports and airline logistics. The main topics include supply and demand in aviation supply chain, airport operations, airline business models, modelling applications, aviation performance measures as well as safety, security and environmental considerations. The course will also cover the impact of major business disruptions on the aviation industry and conclude with discussing the future of the aviation industry.

Topics:

- Introduction to Aviation Industry
- Supply and Demand in Aviation Supply Chain
- Airport Airside Operations
- Airport Landside Operations
- Airline Business Models
- Airport–Airline Relationship
- Modelling Applications in Managing Airports and Airlines
- Measuring Performance for Airports and Airlines
- Cargo Operations and Terminal
- Aviation Safety, Security, and Environmental Impacts
- Impact of COVID-19 on the Aviation Industry
- Future of the Aviation Industry

Textbooks:

Air Transport Management 2nd Budd, L. and Ison, S Routledge
ISBN-13: 9781000052442

Learning Outcome:

- Demonstrate factors affecting supply and demand in aviation supply chain.
- Discuss the key airside and landside operations in airports.
- Criticise various airline business models and airport-airline relationships.
- Examine various modelling applications and performance measure metrics in the aviation industry.
- Appraise the cargo operations, safety, security and environmental impact issues in the aviation industry.
- Indicate the impact of major business disruptions on the aviation industry.

Assessment Strategies - Regular Semester (Evening Class):

Components	Description	Weightage Allocation (%)
Overall Continuous Assessment	TUTOR-MARKED ASSIGNMENT 1	20
	GROUP BASED ASSIGNMENT 1	20
	PARTICIPATION 1	10
Overall Examinable Components	Written Exam	50
Total		100

*The information listed is subject to review and change.