

Graduate Certificate in Aviation (Asia-focus)

Air Carrier, Passenger, and Cargo Management

This course is a “Core course” that is part of the AviAsian Certificate.

This 3-days, 20-hours course in Air Carrier, Passenger, and Cargo Management is specifically created for airline and airport professionals, staff in aviation consultancy or in government and regulatory bodies to broad their understanding of air passenger and cargo management to help them better manage and operate their aviation organization, with a particular emphasis on the Asia-Pacific Region.

Upon completion of this course, participants should understand the impact of air transport industry on economy, the role of regulators and associations, the globalization and economic factors in air cargo, air cargo supply chain and operations, handling of special cargo, demand and supply analysis in airline industry, airlines business models and pricing strategies, role of optimization airlines planning and operations, safety and security in air transport, and future of air transport industry.

Learning Objectives

Upon course completion, trainees will be able to:

- To describe the impact of the air transport industry on the economy
- To identify the role of regulators and associations in air transport industry
- To understand the role of globalization in the growth of air cargo
- To identify the economic factors as air cargo growth drivers
- To identify the participants of the air cargo industry
- To explain the air cargo supply chain
- To identify different types of air cargo carriers
- To describe the air cargo terminal operations
- To explain the issues involved in managing special cargo
- To understand the cargo documentation process
- To discuss the importance of air cargo hubs
- To distinguish between air-express, air freight, and air mail services
- To discuss the supply and demand analysis in the airline industry
- To describe different business models adopted by carriers and operators
- To understand airline pricing strategies
- To discuss the process involved and the role of optimization in planning and operations (including flight and crew scheduling, fleet assignment, etc.)
- To describe the concept of customer value and airline passenger segments
- To explain the importance of safety and security in aviation
- To illustrate the environmental impacts of the air transport industry
- To discuss the future of air transport industry

Course Contents

- Aviation: An Overview
- Air Transport Regulators and Associations
- Globalization and Air Cargo
- Air Cargo Industry Participants
- Air Cargo Terminal Operations
- Air Cargo Supply Chain
- Cargo Documentation
- Express and mail
- Special Cargo
- Air cargo Carriers
- Airlines Economics and Forecasting
- Supply and Demand in the Airline Industry
- Airline Pricing Strategies
- Airline Business Models
- Role of Optimization in Planning and Operations (including flight and crew scheduling, fleet assignment, etc.)
- Airline Passengers
- Aviation Safety and Security
- Air Transport Environmental Impacts
- Future of Air Transport Industry

Who Should Attend

- The course is ideally suited to both current industry practitioners and those just setting out on their career in air transport, including: airline and airport professionals; staff in government or regulatory bodies, aviation consultancy, and aircraft manufacturers.

Training Method

- Face-to-Face instructions in classroom or in Virtual Reality
- Supported by practical case studies
- OJT may be provided if coordinated with airport authority.

General Information

Duration: 3 days or 20 hours

Venue: Local or Virtual Classroom

Participants: Maximum 25

Prerequisites:

- Familiarity with IT word-processing and presentation software
- basic knowledge of aviation industry