

Graduate Certificate in Aviation (Asia-focus)

Production and Procurement

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

This 3-days, 20-hours course in Production and Procurement is specifically created for aviation industry professionals to further develop their analytical and critical thinking skills to apply fundamental concepts of production management and procurement processes to the aviation and aerospace industries, with a particular emphasis on the Asia-Pacific Region.

Upon completion of this course, students should understand operations strategy, product design, process design and analysis, capacity planning, lean production systems, and the procurement process from sourcing to managing suppliers. Case studies on production and procurement in aviation in Asia will be used for discussion.

Learning Objectives

Upon course completion, students will be able to:

- Understand key concepts and issues of Production Management and Procurement;
- Understand capacity planning and lean production system;
- Apply analytical skills and problem-solving tools to the analysis of the production and procurement problems;
- Understand Purchasing and Procurement concepts, procedures and models;
- Evaluate each stage of purchasing development;
- Analyse the procurement expenditures for improvement.

Course Contents

- Introduction to Production Process and Management
- Product design and development cycle
- Manufacturing process analysis
- Capacity and Material Planning
- Lean Production and JIT
- Introduction to Procurement and types of procurement processes
- Sourcing and Supplier selection
- Procurement matrix for different type of purchases
- Managing supplier quality and relationship
- Case studies on Production Management and Procurement

Who Should Attend

- Professionals in airline, airport and aircraft management, banking & finance

Professional Education and Training

Embry-Riddle Aeronautical University – Asia

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Method

- Face-to-Face instructions in classroom or in Virtual Reality
- Supported by practical case studies

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
- Commercial awareness in procurement processes
- Beginner knowledge of production concepts