

MGMT410e Management of Air Cargo

Level: 4

Credit Units: 5 Credit Units

Language: ENGLISH

Presentation Pattern: EVERY SEMESTER

E-Learning: BLENDED - Learning is done MAINLY online using interactive study materials in Canvas. Students receive guidance and support from online instructors via discussion forums and emails. This is supplemented with SOME face-to-face sessions. If the course has an exam component, this will be administered on-campus.

Synopsis:

This course offers intensive study of the practices and problems of management with respect to air cargo. The importance of air cargo service to the economy, development of the industry, regulations, complexity of the market, carriers, freight forwarders and third party logistics, along with rate and tariff problems, aircraft, terminal facilities, and future prospects are all discussed.

Topics:

- The Age of Visionaries and Forerunners in Air Transport
- World War I and its impact on Air Transport
- The Age of Pioneers and Organizers in Air Transport
- World War II and its impact on Air Transport
- The Time of Safe and Orderly Growth (1945-1970)
- The Air Cargo Industry 1970-1980
- Air Cargo in the 21st Century (Air Transport Industry post 9/11)
- Air Cargo Associations
- Statistical Data, Air Cargo Web Sites, and Other Significant Air Cargo News
- Special and Hazardous Cargo and the Air Transport Industry

Learning Outcome:

- Discuss the history and evolution of the air cargo industry. Describe the impact of the Air Cargo Deregulation Act of 1977 and recognize common airfreight terminology. Assess the latest air cargo security regulations.
- Explain the structure of the air cargo industry and its impact on the economy. Be cognizant of the shipping rate structure and recognize the various air shipping containers and be familiar with their uses.
- Appreciate the capabilities of the super air cargo hubs/facilities, both in the United States and around the world. Discuss the major global transportation regions and explore the categories of air cargo operations.
- Discuss the major “integrators” (UPS and FedEx), describe their domestic and global operations and understand their managerial philosophy and practices. Expound on the high-tech methods of sorting, tracking and controlling air freight shipments.
- Elaborate on the major regulatory organizations that shape and control the air cargo industry. Describe the categories of aircargo systems to include: passenger/cargo carriers, all-cargo carriers, couriers, express carriers and integrators. Summarize the roles of airfreight forwarders.
- Appraise the functions of the airline/air cargo alliances. Explain and clarify the pros and cons of having membership in these organizations. Explore the philosophies and contributions of several of the most influential leaders in the air cargo industry.
- Recognize the Boeing, AirBus and Russian air cargo aircraft that are presently in service and examine those under development. Identify the “special-use” aircraft and be familiar with the handling of dangerous, fragile, live, oversized, wet and valuable cargo.
- Analyze statistical and other significant information in the airfreight industry. Evaluate and comment upon the world’s top air cargo airlines. Appraise the latest internet information and web-sites data for all cargo, airport, and airline related activities.

Assessment Strategies:

Continuous Assessment Component	Weightage (%)
TUTOR-MARKED ASSIGNMENT	100
Sub-Total	100

Examinable Component	Weightage (%)
Sub-Total	

Weightage Total **100**