

COURSE TITLE	AIR CARGO MANAGEMENT & OPERATIONS
COURSE CODE	04AH0301
COURSE CREDITS	4

Course Outcomes: After completion of this course, student will be able to:

- 1 Analyse air cargo complexes and operations, focusing on cargo functions, airside operations, transfer procedures, and infrastructure needs for effective logistics management
- 2 Evaluate cargo operations in India by examining historical development, operational requirements, policies, and handling procedures for bulky items.
- 3 Apply knowledge of special air cargo procedures, including Dangerous Goods Regulations and handling oversized items, ensuring compliance with safety standards
- 4 Assess the benefits of air cargo in India, including economic feasibility, contributions to import/export activities, and opportunities for growth.
- 5 Apply freight charges and understand the pricing models used in the air cargo industry.

Pre-requisite of course:NA

Teaching and Examination Scheme

Theory Hours	Tutorial Hours	Practical Hours	ESE	IA	CSE	Viva	Term Work
4	0	0	25	30	20	25	0

Contents : Unit	Topics	Contact Hours
1	Introduction to Air Cargo Infrastructure of air cargo terminal, Overview of Documentation & Duties, Types of Cargo, Guidelines of Bio Hazard and Industrial machines	15
2	Cargo Management Export and Import Procedure of Cargo, Cargo Booking Process, Scanning and Labeling Process of Cargo, Overview of Warehouse Management	15
3	Cargo Handling and Procedure Loading Process and Required Documentation, Claims & Complaints process regarding Cargo, Frozen Logistics, Security and Safety Process of Cargo	15
4	Air Freight A brief history of the air freight industry, Air Freight Process & Procedures, The Role of Aircraft Freighters	15
Total Hours		60

Textbook :

- 1 Aviation Management “Global and National Perspective , Ratandeep Singh., Kanishka Publishing House, 2024
- 2 The Wright Brothers , David Mccullough, Simon & Schuster, 2023
- 3 Air Cargo Management, Taylor & Francis, Michael Sales, 2016

References:

- 1 Strategic Airport Planning, Strategic Airport Planning, Robert E. Caves & Geoffrey D. Gosling, Asian Books, 2023
- 2 Air cargo Management , Air cargo Management , R.Thangamani, Bhavarathi Publications, 2021

Suggested Theory Distribution:

The suggested theory distribution as per Bloom’s taxonomy is as follows. This distribution serves as guidelines for teachers and students to achieve effective teaching-learning process

Distribution of Theory for course delivery					
Remember / Knowledge	Understand	Apply	Analyze	Evaluate	Higher order Thinking / Creative
20.00	30.00	25.00	15.00	10.00	0.00

Instructional Method:

- 1 Project Based Learning
- 2 Case Based Learning
- 3 Flipped Classroom
- 4 Collaboration Learning