

Liverpool John Moores University

Title: AIR TRANSPORT OPERATIONS
Status: Definitive
Code: **5035MAR** (106032)
Version Start Date: 01-08-2016

Owning School/Faculty: Maritime and Mechanical Engineering
Teaching School/Faculty: Maritime and Mechanical Engineering

Team	Leader
Charles Roberts	Y

Academic Level: FHEQ5
Credit Value: 12
Total Delivered Hours: 38
Total Learning Hours: 120
Private Study: 82

Delivery Options

Course typically offered: Semester 2

Component	Contact Hours
Lecture	18
Tutorial	18

Grading Basis: 40 %

Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Essay	AS1	Coursework 1	20	
Essay	AS2	Coursework 2	20	
Exam	AS3	Examination - case study	60	2

Aims

To introduce students to the theory and practice of scheduled air transport operations (both passenger and freight), management and regulation.

Learning Outcomes

After completing the module the student should be able to:

- 1 Show an awareness of the contribution of air transport to the global transport market.
- 2 Demonstrate knowledge of the regulatory, physical, technical and social contexts within which air transport operates.
- 3 Analyse the technical characteristics of air transport and how these influence economic performance.
- 4 Examine issues relating to the ownership, management and operation of airports.
- 5 Appraise the markets for air passenger and freight services.

Learning Outcomes of Assessments

The assessment item list is assessed via the learning outcomes listed:

CW	2	3			
CW	2	4			
EXAM	1	2	3	4	5

Outline Syllabus

Characteristics and organisation of air transport. Nature of the operating medium. Organisation of the industry. Low cost carriers. Regulatory bodies and trade organisations. Legal framework. Controlling bodies and their powers. International conventions, route licensing, regulation (and deregulation). Impact of developments in common markets for goods and services between nations. Airspace management. Elements of aircraft design and operation. Management and operating practices. Policy formulation, effect of external factors. Compliance with legal requirements. Training and licensing of staff. Licensing of procedures. Licensing of operators. Airport siting and design. Facilities, services and management. Environmental impact of air transport.

Learning Activities

A programme of lectures and associated tutorials.

Notes

The module introduces students to the airline industry by considering the interaction between air operators, airport and regulatory bodies. Examples are drawn from national and international markets worldwide to provide comparison of operating practice and to illustrate the advantages and disadvantages of alternative policies.