

Summary Sheet

Academic Year	2020/2021		
School	School of Industrial and Information Engineering		
Teaching	ORGANIZATION OF AIR TRANSPORT		
Contract Lecturer	Servienti Alberto		
University Credits	6.00	Type of Teaching	Monodisciplinary

Aims of the teaching

Specific training goals

The course aims to provide an overview of the issues that make up air transport understood in its broadest sense. Topics will be covered ranging from legislation to the definition of the airport Master plan, from the description of the subjects acting in the field of air transport (including air traffic control) to the provision of the respective services, from the commercial aspects to the characteristics of the information systems, from the description of the means and equipment used to environmental issues, in order to provide students with a solid background.

Personal training goals

The personal training objectives will be linked to the interests of individuals and can be developed within the hours of practice through targeted in-depth studies.

Basically, the intention is to acquire a systemic vision of the world of air transport that allows for a subsequent more in-depth approach to the individual issues.

Expected learning outcomes

The student acquires a systemic view of air transport and a knowledge of its specificities.

Topics covered

- A) Development and organization of civil aviation; history of aviation and its organization, current and future trends, traffic development, legislation.
- B) Companies, Air Lines and Bodies; organization of airlines, control Bodies and their competences (ICAO, EASA, FAA), associations and their competences (IATA).
- C) Air traffic control; systems evolution.
- D) Airports and their organization; master planning, functional schemes, work organization, airport handling, other operators.
- E) Safety, Security, Quality; peculiar characteristics of Air Transport, Safety Management System, Airport Security, Passenger Rights Charter, Service Charter.
- F) Aircraft: development and impact on airport operations; sizes and types, means of support and service.
- G) Human factor in air transport; risk assessment, personnel certification, manuals and procedures.

Method of evaluation

Teaching methods: The course will be organized in lectures and explanations in the classroom, in Italian, and in exercises on site (airport) in order to deepen the topics covered by the lesson.

Assessment methods: The assessment will consist of a written and subsequent oral exam at the end of the course. During the test, students will be asked to describe the topics covered in the classroom.