

## 30179 - Air law

### Syllabus Information

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**Academic Year:** 2019/20

**Subject:** 30179 - Air law

**Faculty / School:** 179 - Centro Universitario de la Defensa - Zaragoza

**Degree:** 563 - Bachelor's Degree in Industrial Organisational Engineering

**ECTS:** 6.0

**Year:** 4

**Semester:** First semester

**Subject Type:** Optional

**Module:** ---

## 1.General information

### 1.1.Aims of the course

The course *Air law* is part of the Aviation module, which includes two additional courses.

The course introduces the future pilots to the legal and regulatory framework of their professional activity. The contents of the course are based on the Air Law Program set by JAR 10, which derives from the application of Commission Regulation (EU) No 1178/2011 of 3 November; as well as from the Spanish legislation. With this, the course is divided into three large blocks:

- International Air Law.
- Organization and Spanish legislation.
- Military Aviation legislation.

### 1.2.Context and importance of this course in the degree

The course is part of the Aviation module of the Degree in Industrial Organizational Engineering (Plan 563). It is therefore a fundamental part of the specific training received by the student for his future profession within Army Aviation branch.

### 1.3.Recommendations to take this course

To be accepted for enrolment, students must have passed most of the credits of the third year.

## 2.Learning goals

### 2.1.Competences

Upon passing the subject, the student will be more competent to:

C02 - Ability to plan, budget, organise, manage and monitor tasks, people and resources.

C04 - Ability to solve problems and take decisions with initiative, creativity and critical reasoning.

C05 - Ability to apply Information and Communication Technologies (ICTs) within the field of engineering.

C06 - Ability to communicate knowledge and skills in Spanish.

C09 - Ability to work in a multidisciplinary group and in a multilingual setting.

C10 - Ability to manage information; skills to handle and apply technical specifications and the necessary legislation to practise engineering.

C11 - Ability to continue learning and develop self-learning strategies.

C49 - Knowledge of the fundamentals of Law, Constitutional Law and Law of Armed Conflict, which enable them to carry out their profession.

C68 - Knowledge of the legal regulations regarding air navigation, and the setup and use of related infrastructure.

### 2.2.Learning goals

The student, to pass this course, must obtain the following results:

1- Knowledge of the main concepts of International Air Law.

2- Knowledge of the organization and Spanish legislation on the subject.

3- Familiarity with the aspects related to the legislation associated with military aviation.

### **2.3.Importance of learning goals**

Air Law is a fundamental part of the specific training received by the student for his future profession within Army Aviation branch.

## **3.Assessment (1st and 2nd call)**

### **3.1.Assessment tasks (description of tasks, marking system and assessment criteria)**

The student must demonstrate that he has achieved the expected learning outcomes through the following task activities:

- Tests (exams) on theoretical, practical or theoretical-practical aspects (70% of the final grade).
- Case studies (30% of the final grade).

## **4.Methodology, learning tasks, syllabus and resources**

### **4.1.Methodological overview**

The learning process that has been designed for this course is based on:

- Lectures. The teacher will seek the maximum participation of the student.
- Learning activities in which the practical application of the contents will be sought, to verify the achievement of the objectives.
- Creation of workgroups.
- Use of virtual resources for autonomous learning.
- Asking questions about the contents explained.
- Study of the course by the students.

### **4.2.Learning tasks**

The proposed learning activities are:

- ? Lecture and theory sessions, and resolution of theoretical / practical problems by the students.
- ? Preparation of individual assignments.

### **4.3.Syllabus**

The course will address the following topics:

- 1. International Law: International Treaties and International Organizations.
- 2. Airworthiness of aircraft.
- 3. Aircraft's nationality and registration mark.
- 4. Personnel licences.
- 5. Rules of the air.
- 6. Procedures for Air Navigation Services- aircraft operation (PANS-OPS).
- 7. Air traffic services and air traffic management.
- 8. Aeronautical Information Service.
- 9. Aerodromes.
- 10. Aviation Facilitation (ICAO Annex 9).
- 11. Search and rescue.
- 12. Civil aviation security.
- 13. Air incident and accident investigation.
- 14. Regulation (EC) No 216/2008 of the European Parliament and of the Council of 20 February 2008.
- 15. Spanish legislation in military aviation.

### **4.4.Course planning and calendar**

The schedule of theory sessions and presentation of case studies will be announced by the professor, both in the classroom and through the Digital Platform (ADD) of the University of Zaragoza (<http://moodle.unizar.es>).

### **4.5.Bibliography and recommended resources**

Bibliography available in <http://psfunizar7.unizar.es/br13/egAsignaturas.php?codigo=30179>

