

Academic Year/course: 2022/23

30179 - Air law

Syllabus Information

Academic Year: 2022/23

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.

Specialization in Defence: These approaches and objectives are in line with the following Sustainable Development Goals (SDGs) of the United Nations 2030 Agenda (<https://www.un.org/sustainabledevelopment/>), in such a way that the acquisition of the course learning outcomes provides training and competence to contribute to their achievement to some degree:

(7) Ensure access to affordable, reliable, sustainable and modern energy for all.

(16) Peace, justice and strong institutions.

1.2. Context and importance of this course in the degree

In the Defense profile, this subject contributes to the training of Army Officers, providing the knowledge and developing the skills that Army Officers need to carry out their mission.

Also, 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 assessment activities:

Throughout the semester, the student must perform several tests, theoretical and practical tests applied.

In the theoretical-practical tests will be evaluated:

- The understanding of the concepts of air law used to solve problems.
- The use of efficient strategies and procedures in their resolution.
- The use of clear and detailed explanations.
- The correct use of terminology and notation.
- The orderly, clear and organized exhibition.

In Applied tests, the following will be evaluated:

- The correct resolution of the problems and the methods and strategies used.
- The correct interpretation of the results obtained.
- The ability to select the most appropriate method.

FIRST CALL:

The evaluation of the subject will consist of:

Continuous assessment:

- Case studies (40% of the final grade)

-In the active participation **during the classes** and in the **activities** that are proposed in the *Virtual Classroom*. (5% of the total of the grade):

-In the **oral** and **written** presentation of an original work on a topic related to the subject of a list of proposals that will be provided during the first weeks. (10% and 25% of the total of the grade, respectively).

- Exams on theoretical, practical or theoretical-practical aspects (60% of the final grade). 30% will be from the first exam and the remaining 30% from the second exam.

In the final mark of the continuous assessment (100%) all the tests of the evaluation instruments carried out throughout the course and its weight will be taken into account. To pass the subject, the student's final grade must be equal to or greater than 5.

Global Test:

The students who do not pass the subject by continuous assessment or who would like to improve their grades, will have the right to take the Global Test set in the academic calendar, prevailing, in any case, the best of both grades. This global test will be equivalent to the continuous assessment test described and will have the 100% weight in the final grade.

This test will consist of:

- **A written exam**, which will include two essay questions and a test.
- **An oral exam**, which will consist of a brief exposition of the most relevant legal news about air law.

To pass the subject, the student's final grade must be equal to or greater than 5.

SECOND CALL:

The students who do not pass the subject in the first call may take the Global Test set in the academic calendar for the second call. This Global Test will consist of written exam.

To pass the subject, the student's final grade must be equal to or greater than 5.

ASSESSMENT CRITERIA

In any case, both in team activities and in those carried out individually, the success with which the questions posed are answered, the absence of formal errors and clarity, and the logical order in the presentation of results will be valued.

Plagiarism is not admitted and will be sanctioned with a failing grade (0). In case of using sources of information (press, doctrinal articles, etc.), they should be mentioned.

4. Methodology, learning tasks, syllabus and resources

4.1. Methodological overview

The approach, methodology and evaluation of this guide is prepared to be the same in any teaching scenario. They will be adjusted to the socio-sanitary conditions of each moment, as well as to the indications given by the competent authorities.

If this teaching could not be done in person for health reasons, it would be done telematically.

The methodology followed in this course is oriented towards the achievement of the learning objectives.

- 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

Further information concerning the timetable, classroom, office hours, assessment dates and other details regarding this course will be provided on the first day of class or please refer to the "Virtual Classroom" or "Centro Universitario de la Defensa" website.

4.5. Bibliography and recommended resources

Bibliography available at:

<http://psfunizar10.unizar.es/br13/egAsignaturas.php?codigo=30179>