

## 1. BASIC INFORMATION

<b>Course</b>	Organization and Management of Aerospace Companies
<b>Degree program</b>	Degree in Aerospace Engineering of aircrafts
<b>School</b>	Escuela de Arquitectura, Ingeniería y Diseño
<b>Year</b>	1st course
<b>ECTS</b>	6
<b>Credit type</b>	Basic
<b>Language(s)</b>	English
<b>Delivery mode</b>	Face-to-face
<b>Semester</b>	2nd
<b>Academic year</b>	2023-2024
<b>Coordinating professor</b>	Antonio López Lázaro
<b>Professors</b>	Pablo de la Cruz Violeta Doval Hernández

## 2. PRESENTATION

This course belongs to the “Business” module: Organization and Management of Aerospace Companies: 6 ECTS (first year). The course focuses to study the aerospace market and companies, the business management concepts, lean manufacturing, Airline operations, MRO (Maintenance Repair Overhaul), Air traffic, among other concepts related with the management of Aerospace companies in nowadays’ world.

## 3. COMPETENCIES AND LEARNING OUTCOMES

### Core competencies:

- CB1: That students have demonstrated knowledge and understanding in a field of study that part of the basis of general secondary education, and is usually found at a level that, while supported by advanced textbooks, includes some aspects that will knowledge of the forefront of their field of study.
- CB2: That students can apply their knowledge to their work or vocation in a professional manner and have competences typically demonstrated through devising and sustaining arguments and solving problems within their field of study.
- CB3: That students have the ability to gather and interpret relevant data (usually within their field of study) to make judgments that include reflection on relevant social, scientific or ethical.
- CB4: To allow students to communicate information, ideas, problems and solutions both to a specialized and non-specialized audience.
- CB5: That students have developed those learning skills necessary to undertake further studies with a high degree of autonomy.

**Cross-curricular competencies:**

- CT9: Knowledge, and ability to use business management technics and labor law, taking into account principles of equality between men and women, solidarity, and peace culture.
- CT15: Compile and interpret data to make judgments that include relevant social, scientist, and ethical issues, taking fundamental rights respect into consideration, as well as the democratic principles, gender equality, solidarity, environment protection, universal accessibility and design for all, and culture of peace (consultancy).
- CT16 (N3): To communicate and convey information, ideas and skills in the student's field of specialization, either in writing or orally, both to skilled and unskilled audiences (communication skills).
- CT17 (N2): Addressing the issues and challenges related to their area of expertise with flexibility, initiative, innovation, and dynamism (entrepreneurial profile).
- CT20. To make decisions ahead of time about what needs to be done, who has to do it, and how it should be done (Planning).

**Specific competencies:**

- CE6: Adequate understanding of business concept, institutional and legal framework of the company. Business management and organization.

Notes: UNIQUE LEVEL: Competence developed at one level. Level 1 (N1): awareness about the importance of competences and basic application of it to several situations. Level 2(N2): interiorization and skillful handling of competences. Level 3 (N3): Full interiorization and handling of competences at any needed situation.

**Learning outcomes:**

- LO1: To analyze and conceptualize an organizational and management environment.
- LO2: To perform a basic analysis of a balance sheet and income statement.
- LO3: To develop a basic marketing plan.
- LO4: To develop a basic innovation plan.
- LO5: To develop a basic production plan.

The following table shows the relationship between the competencies developed during the course and the learning outcomes pursued:

Competencies	Learning outcomes
CB1, CB2, CB3, CB4, CB5, CT9, CT15, CT16, CT17, CT20, CE6	LO1, LO2, LO3, LO4, LO5

## 4. CONTENT

- The concept of company.
- Institutional and legal framework of the company.
- Organization and management of companies. The income statement. The balance. The financing of the company.
- The value chain.
- The marketing plan (strategic and tactical) as the foundation of the business strategy and the new products.
- Learning to undertake as a key to innovation.
- Marketing of the international aerospace market.

- Innovation management in the aerospace sector.
- Organization of production.
- Microeconomics of a company in the aerospace sector.

## 5. TEACHING-LEARNING METHODOLOGIES

The types of teaching-learning methodologies used are indicated below:

- Survey of objectives and interests
- Lecture-based class
- Research by groups or problem solving by groups
- Case studies

## 6. LEARNING ACTIVITIES

Listed below are the types of learning activities and the number of hours the student will spend on each one:

**Campus-based mode:**

Learning activity	Number of hours
Menntoring, academic monitoring and assessment	20
Integrative work in group	60
Expositions and presentations by the teacher (Master classes)	20
Autonomous study	50
<b>TOTAL</b>	<b>150</b>

## 7. ASSESSMENT

Listed below are the assessment systems used and the weight each one carries towards the final course grade:

**Campus-based mode:**

Assessment system	Weight
Exams (2)	35%
Teamwork to develop a <i>Startup</i> Business Plan	30%
Individual assignments based on master classes	15%
Field experiences, conferences and visits	10%
Others	10%

When you access the course on the *Campus Virtual*, you'll find a description of the assessment activities you have to complete, as well as the delivery deadline and assessment procedure for each one.

### 7.1. First exam period

To pass the course in the first exam period, you must obtain a final course grade of at least 5 out of 10 (weighted average).

In any case, you will need to obtain a grade of at 4.0 in the final exam in order for it to count towards the final grade along with all the grades corresponding to the other activities.

### 7.2. Second exam period

To pass the course in the second exam period, you must obtain a final grade of at least 5 out of 10 (weighted average).

In any case, you will need to obtain a grade of at 4.0 in the final exam in order for it to count towards the final grade along with all the grades corresponding to the other activities.

The student must deliver the activities not successfully completed in the first exam period after having received the corresponding corrections from the professor, or those that were not delivered in the first place.

## 8. SCHEDULE

This table shows the teamwork delivery deadline for the group assessable activities of the course:

Assessable activities	Deadline
Delivery I	25 <sup>th</sup> February
Delivery II	17 <sup>th</sup> March
Delivery III	7 <sup>th</sup> April
Delivery IV	28 <sup>th</sup> April
Delivery V	19 <sup>th</sup> May

This schedule may be subject to changes for logistical reasons relating to the activities. The student will be notified of any change as and when appropriate.

## 9. BIBLIOGRAPHY

Here is the basic bibliography but for every Unit you will be recommended other sources of information:

- BATEMAN, T. S. & SCOTT S. A. (2010): Management, leading and collaborating in a competitive world, McGraw-Hill.
- FERRELL, O. C., HIRT G. A., FERRELL, L. (2009): Business: a changing world, McGraw-Hill.
- KOOTNZ, H., WEILRICH, H. (2020): Management, a global perspective, McGraw-Hill.
- ROBBINS, S.P., COULTER, M. (2016): Management, Prentice Hall, New Jersey.
- STONER, J., FREEMAN, R.E. y GILBERT, D.R. (2022): Management, Pearson.

## 10. DIVERSITY MANAGEMENT UNIT

From the Educational Guidance and Diversity Unit we offer support to our students throughout their university life to help them reach their academic achievements. Other main actions are the students inclusions with specific educational needs, universal accessibility on the different campuses of the university and equal opportunities.

From this unit we offer to our students:

1. Accompaniment and follow-up by means of counselling and personalized plans for students who need to improve their academic performance.
2. In terms of attention to diversity, non-significant curricular adjustments are made in terms of methodology and assessment for those students with specific educational needs, pursuing an equal opportunities for all students.
3. We offer students different extracurricular resources to develop different competences that will encourage their personal and professional development.
4. Vocational guidance through the provision of tools and counselling to students with vocational doubts or who believe they have made a mistake in their choice of degree.

Students in need of educational support can write to us at:

[orientacioneducativa@universidadeuropea.es](mailto:orientacioneducativa@universidadeuropea.es)

## 11. ONLINE SURVEYS

Your opinion matters!

The Universidad Europea encourages you to participate in several surveys which help identify the strengths and areas we need to improve regarding professors, degree programs and the teaching-learning process.

The surveys will be made available in the “surveys” section in virtual campus or via e-mail.

Your assessment is necessary for us to improve.

Thank you very much for your participation.