

## 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>	Arquitectura, Ingeniería y Diseño
<b>Year</b>	First
<b>ECTS</b>	6
<b>Credit type</b>	Compulsory
<b>Language(s)</b>	English
<b>Delivery mode</b>	Face to face
<b>Semester</b>	Second
<b>Academic year</b>	2019-20
<b>Coordinating professor</b>	Antonio López-Lázaro

## 2. PRESENTATION

This course belongs to the “Business” module: Organization and Management of Aerospace Companies 6 ECTS (first year).

The course topics are the study of aerospace market and companies, the business management concepts, lean manufacturing, Airline operations, MRO (Maintenance Repair Overhaul), Air traffic.

## 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.
- 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.
- 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.

- 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 labour 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:

- LO15: Given a management environment and organization, to analyze it and conceptualize it.
- LO18: To develop a basic innovation plan
- LO19: To develop a basic production plan

The table below shows the relation between the competencies developed during the course and the envisaged learning outcomes:

Competencies	Learning outcomes
CB1, CB2, CB3, CB4, CB5, CE6, CT9, CT15, CT16, CT17, CT20	LO15
CB2, CB5, CE6	LO18
CB2, CB5, CE6	LO19

#### 4. CONTENTS

- 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 following are the types of teaching-learning methodologies that will be applied:

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

#### 6. TRAINING ACTIVITIES

The types of training activities to be carried out and the amount of hours devoted by the student to each of them are identified in the next table:

Training Activities	hours
Lecture-based class	20

Integrative team work	60
Self-study	50
Mentoring, academic monitoring and assessment	20
<b>TOTAL</b>	<b>150</b>

## 7. EVALUATION

Evaluation System	Weight
Exam, test and other type of assessment	30-35%
Reports, articles and informs	15-30%
Alternative system of assessment.	15-30%
Conferences, company-tour visit and experiences in situ	10-10%
Transversal-disciplinary skills	10-15%

### 7.1. First exam period

The academic evaluation is continuous and consistent with the methodology and objectives of the subject.

In ordinary period it will consist of:

- Exams and tests, with a weight of 50% on the final mark.
- Individual assignments, with a weight of 50%, where transversal competencies and the elaboration of reports will be evaluated

The grade will be considered as NP (Not Presented) when the student has not delivered any evaluable activity of which they are part of the weighted average.

### 7.2. Second exam period

Evaluation activities for the second exam period are:

Minimum requirements to pass:

- 5 out of 10 in final exam
- 5 out of 10 in the exercise(s)

The grade will be considered as NP (Not Presented) when the student has not delivered any evaluable activity of which they are part of the weighted average.

## **8. DIVERSITY MANAGEMENT UNIT**

Students with specific learning support needs:

Curricular adaptations and adjustments for students with specific learning support needs, in order to guarantee equal opportunities, will be overseen by the Diversity Management Unit (UAD: Unidad de Atención a la Diversidad).

It is compulsory for this Unit to issue a curricular adaptation/adjustment report, and therefore students with specific learning support needs should contact the Unit at [unidad.diversidad@universidadeuropea.es](mailto:unidad.diversidad@universidadeuropea.es) at the beginning of each semester.

## INSTITUTIONAL ASSESSMENT OF LEARNING OUTCOMES PLAN Covid-19 TEMPLATE TO ADAPT TEACHING AND EVALUATION ACTIVITIES

<b>Course/Module:</b> Organization and Management of Aerospace Companies
<b>Degree Program:</b> Degree in Aerospace Engineering of aircrafts
<b>Year (1º-6º):</b> 1º
<b>Group (s)</b>
<b>Professor:</b> Antonio López-Lázaro
<b>Coordinating professor</b>

Teaching Activity described in the syllabus	Adapated activity in distance learning
Lecture-based classes (classroom attendance)	Lecture-based classes (online)
Integration of team work (classroom attendance)	Integration of team work (online)
Reports / Project and Business decision practice (classroom attendance)	Reports / Project and Business decision practice (online)
Mentoring (classroom attendance)	Mentoring (online)
Exams (classroom attendance)	Exam (online)

Evaluation Activity that was planned in the Syllabus for face to face instruction		NEW virtual evaluation activity (adapted)	
Description of original face to face evaluation activity	Reports / Project and Business decision practice (classroom attendance)	Description of new activity	Reports / Project and Business decision practice (online)
Content to be assessed	The content to be addressed in each evaluation activity should be the same. Case Study 1. Aerospace Market Case Study 2. Marketing of Aerospace Companies Case Study 3. Cost management Case Study 4. Operations Management		
Learning Outcomes to be assessed (Please check Syllabus of the course/module)	The Learning Outcomes that are addressed are the same: specify: LO15: Given a management environment and organization, to analyze it and conceptualize it.		
Duration	30h	Approximate duration	30h
Weight in evaluation	30%	Weight in evaluation	35%
Please note:			

Evaluation Activity that was planned in the Syllabus for face to face instruction		NEW virtual evaluation activity (adapted)	
Description of original face to face evaluation activity	Project Presentation supporting business decision and arguments (classroom attendance)	Description of new activity	Project Presentation supporting business decision and arguments (online)
Content to be assessed	The content to be addressed in each evaluation activity should be the same. Project: Basic Innovation and Production Plan .....		
Learning Outcomes to be assessed (Please check Syllabus of the course/module)	The Learning Outcomes that are addressed are the same: specify: LO15: Given a management environment and organization, to analyze it and conceptualize it. LO18: To develop a basic innovation plan		
Duration	30h	Approximate duration	30h
Weight in evaluation	20%	Weight in evaluation	35%
Please note:	TBC		

Evaluation Activity that was planned in the Syllabus for face to face instruction		NEW virtual evaluation activity (adapted)	
Description of original face to face evaluation activity	2 Exams (classroom attendance)	Description of new activity	1 Exam (online)
Content to be assessed	The content to be addressed in each evaluation activity should be the same. Unit 1. Aerospace Market Unit 2. Marketing of Aerospace Companies Unit 3. Cost management Unit 4. Operations Management Unit 5. Innovation		
Learning Outcomes to be assessed <i>(Please check Syllabus of the course/module)</i>	The Learning Outcomes that are addressed are the same: specify: LO15: Given a management environment and organization, to analyze it and conceptualize it. LO18: To develop a basic innovation plan LO19: To develop a basic production plan		
Duration	4h	Approximate duration	4h
Weight in evaluation	30%	Weight in evaluation	20%
Please note:	Reduced the number of exams for simplifying the online processes		