

## 30134 - Undergraduate Dissertation

### Información del Plan Docente

<b>Academic Year</b>	2016/17
<b>Academic center</b>	175 - Escuela Universitaria Politécnica de La Almunia 179 - Centro Universitario de la Defensa - Zaragoza
<b>Degree</b>	425 - Bachelor's Degree in Industrial Organisational Engineering 563 - Bachelor's Degree in Industrial Organisational Engineering 457 - Bachelor's Degree in Industrial Organisational Engineering
<b>ECTS</b>	12.0
<b>Course</b>	4
<b>Period</b>	Half-yearly
<b>Subject Type</b>	End of Grade Dissertation
<b>Module</b>	---

### 1. Basic info

#### 1.1. Recommendations to take this course

#### 1.2. Activities and key dates for the course

### 2. Initiation

#### 2.1. Learning outcomes that define the subject

#### 2.2. Introduction

### 3. Context and competences

#### 3.1. Goals

#### 3.2. Context and meaning of the subject in the degree

#### 3.3. Competences

#### 3.4. Importance of learning outcomes

### 4. Evaluation

### SPECIALIZATION IN DEFENCE

A Examining Board will be responsible for the Dissertation evaluation. Each board will be integrated by three CUD teachers, and there will be one board for each fundamental speciality. Assessment tools will include:

-A report from the Military Supervision, including information about the following criteria: Dissertation extent and scope, technical complexity, Creativity, Dedication to the work and effectiveness, Methodological rigour.

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-A report from the Academic Supervision, including information about the following criteria: Dissertation extent and scope, technical complexity, Creativity, Dedication to the work and effectiveness, Methodological rigour, Formal Quality.

-Dissertation deposited by the student. It could be written both in Spanish or English.

-Oral presentation (in English). The capacity of the student to make a professional quality presentation of his/her results and to communicate in a clear and efficient manner on complex items will be assessed.

### 5. Activities and resources

#### 5.1. General methodological presentation

##### SPECIALIZATION IN BUSINESS

The learning process that has been designed for this subject is based on the following:

The teaching methodology is based on a strong interaction teacher / student. This interaction becomes a reality by means of a distribution of task / responsibilities among students and teachers.

**1. Classroom activities: There is no teaching.**

**2. Supervised autonomous activities** : These activities will be led by the Director of the Final Year Project and the writing of it will be under the supervision of the Director.

**3. Individual tutorials** : They can be face-to-face or virtual with each of the teachers of the different subjects.

Teaching-Learning Methodology			
Training activities	Ects	Teaching-learning Methodology	Relationship with skills to be acquired
Theory lectures	0	Given the particular nature of the subject, a methodology with specialized tutorials and seminars is considered.	
Seminars	0,5		
Supervised practice work	0		
Tutorials	1		
Non-class group work	0		
Non-class individual work	10		From 1 to 12
Assessment	0,5		

##### SPECIALIZATION IN DEFENCE

The end-of-grade dissertation is developed within a unit, centre or institution of the Army or the Ministry of Defence (hereafter, UCO), during the same period when the student also develops the course 'external practices'. The objective is to integrate 18 ECTS of both courses (End-of-degree dissertation and external practices) in a coherent formative activity

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that combines the academic standards with an optimal performance of the future officers learning. One of the aims is to develop an applied, professionally focused activity. As far as possible it should also correspond with his/her fundamental speciality.

### 5.2.Learning activities

#### **SPECIALIZATION IN BUSINESS**

The program that the student is offered to help him achieve the expected goals includes the following activities...

- 1: It involves the active participation of students, so that for achieving learning outcomes, the following activities, no redundancy intended with the above mentioned, will be developed, ,
- 2: Supervised autonomous activities: These activities will be led by the Director of the Final Year Project and the writing of it will be under the supervision of such Director.
- 3: Individual tutorials: They can be face-to-face or virtual with each of the teachers of the different subjects.

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The on-site part two courses 'external practices' and 'end-of-degree Dissertation' take place during eight weeks. Each student will spend seven weeks in a UCO and a final week in the Academia General Militar in order to finish his/her Dissertation. During the first seven weeks in the UCO he/she must accomplish both the external practices requirements and most of the Dissertation work, leaving only the end of the dissertation and the oral presentation. In order to obtain the best performance and to guarantee the success of the dissertation, the following global time distribution between both courses is recommended: two and a half weeks for external practices and four and a half weeks for dissertation.

Each student will have a supervisor in the UCO acting both as the military tutor of the practices and military supervisor of the Dissertation.

Each student will have a supervisor (teacher) from CUD acting both as the academic tutor of the practices and academic supervisor of the Dissertation.

### 5.3.Program

#### **SPECIALIZATION IN BUSINESS**

#### **Essential Contents of the subject for the achievement of learning outcomes.**

When referring to the Final Year Project, we will make reference to the contents of all the subjects that have been studied throughout the student's training.

#### **SPECIALIZATION IN DEFENCE**

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### Contents

For the End-of-degree Dissertation, 'contents' refer to all the subjects/disciplines in the degree Curriculum.

### 5.4.Planning and scheduling

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##### **Classroom session Scheduling and presentation of works**

It will be scheduled by the Project Director, with personalized nature, depending on the evolution of the work itself, always adapted to the dates of the calls that are set in each academic year.

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The on-site period of the "External practices" and "End-of-degree Dissertation" takes place during the months of September and October 2016. Deadline for the Dissertation deposit is November 4<sup>th</sup>. Oral presentation will take place not later than December 23<sup>th</sup>. Between these two dates, the Examining Board shall detect those dissertations that do not fulfill the course standards. For these cases, they will send a report to the student indicating tasks of the dissertation to be improved. For these works, dissertations not previously deposited or dissertations that do not pass the course after the oral presentation, a second period of deposit and oral presentations will be offered. The oral presentations of this second opportunity will be not later than May 31<sup>th</sup>, 2017.

### 5.5.Bibliography and recommended resources

No bibliographic records for this subject.