

## 67224 - Seminars R + D + I

### Información del Plan Docente

Academic Year	2016/17
Academic center	110 - Escuela de Ingeniería y Arquitectura
Degree	527 - Master's in Electronic Engineering
ECTS	6.0
Course	1
Period	Annual
Subject Type	Compulsory
Module	---

### 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

### 5. Activities and resources

#### 5.1. General methodological presentation

The learning-teaching activities designed for this course are:

- Seminars of experts on different fields of electronics engineering, seminars presenting the research lines managed by the master's faculty and presentation of the Final Master's Project proposals.
- Master class on management of research and innovation.
- Presentation of research works previously arranged with faculty.

#### 5.2. Learning activities

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**Learning activities are split in classroom activities and home-work activities:**

### **Classroom activities (2.4 ECTS, 60 hours)**

A01 Lectures (40 hours)

This activity consists of the seminars of external experts, the presentation of the research activity managed by the master's faculty and the basics of the management of the research resources.

A02 Exposition of cases (18 hours)

In this activity students present a research work including a review of the state-of-the-art, theoretical background, simulations and experimental results.

A08 Evaluation activities (2 horas)

Evaluation consists of an exam, the assessment of research work exposition and the evaluation of the reports about some seminars.

### **Home-work activities (3.6 ECTS, 90 horas)**

A06 Reports and research work (60 horas)

This activity is intended to prepare the reports of seminars and the research work.

A07 Study (30 horas)

Study time is oriented to prepare the exam and the research work.

### **5.3.Program**

- T1: Presentation of research lines and master's final project proposals managed by the master's faculty.
- T2: Management of the research and innovation activities.
- T3: Seminars of experts.
- T4: Exposition of cases.

### **5.4.Planning and scheduling**

Schedule of lecture sessions and seminars will be programmed by both the Engineering School and faculty and will be previously noticed.

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In general, the first term is focused on presenting the faculty research lines, the master's final project proposals and part of the seminars. Basis of research management and the rest of seminars will be held in the second term.

### 5.5. Bibliography and recommended resources

1. **Basic materials:** will be uploaded at the start of the academic year in <http://moodle2.unizar.es>

#### 2. Recommended materials:

Materials of this course are spread in different web pages. Some examples of these sites are the following:

- <http://i3a.unizar.es/>
- <http://www.idi.mineco.gob.es/>
- <http://www.aragoninvestiga.org/>
- <http://ieeexplore.ieee.org/Xplore/guesthome.jsp>
- <http://worldwide.espacenet.com>