

## 30312 - Digital Signal Processing

### Información del Plan Docente

Academic Year	2016/17
Academic center	110 - Escuela de Ingeniería y Arquitectura
Degree	438 - Bachelor's Degree in Telecommunications Technology and Services Engineering 330 - Complementos de formación Máster/Doctorado
ECTS	6.0
Course	XX
Period	Indeterminate
Subject Type	ENG/Complementos de Formación, 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

#### 5.2. Learning activities

#### 5.3. Program

- Sampling, analog reconstruction, interpolation and decimation
- Discrete Fourier Transform
- Z Transform

## **30312 - Digital Signal Processing**

- Systems Analysis and synthesis in transformed domain
- Transfer function and frequency response
- Special systems (minimum phase, all-pass, linear phase)
- Filter design

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

### **5.5.Bibliography and recommended resources**