

Academic Year/course: 2022/23

## 30256 - Web Systems and Technology

### Syllabus Information

**Academic Year:** 2022/23

**Subject:** 30256 - Web Systems and Technology

**Faculty / School:** 110 - Escuela de Ingeniería y Arquitectura  
326 - Escuela Universitaria Politécnica de Teruel

**Degree:** 439 - Bachelor's Degree in Informatics Engineering  
443 - Bachelor's Degree in Informatics Engineering

**ECTS:** 6.0

**Year:** 4

**Semester:** Second semester

**Subject Type:**

**Module:**

### 1. General information

### 2. Learning goals

### 3. Assessment (1st and 2nd call)

### 4. Methodology, learning tasks, syllabus and resources

#### 4.1. Methodological overview

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

- Lectures in classroom.
- Personal study of the main concepts.
- Theoretical and practical resolution of specific cases and problems in practical sessions in the computer room.

#### 4.2. Learning tasks

The course includes the following learning tasks:

- Lectures in the classroom.
- Development of main concepts and techniques by means of practical sessions in the computer room.
- Development of a real and functional Web application.

#### 4.3. Syllabus

The course will address the following topics:

1. Introduction. Systems and Web technologies.
2. Distributed systems.
3. Web technologies.
4. Web services.
5. Cloud computing.

#### 4.4. Course planning and calendar

The schedule of the subject will be defined by the centre in the academic calendar of the corresponding course.

##### **Student Work**

The dedication of the student to achieve the learning outcomes in this subject is estimated at 150 hours distributed as follows:

Zaragoza:

- 60 hours of classroom activities (30 hours of theory, 15 hours of problems sessions and 15 hours of practical sessions in the laboratory).
- 6 hours of T6 activities.
- 45 hours of project development (group work).
- 34 hours of individual study.
- 5 hours of evaluation activities.

Teruel:

- 60 hours of classroom activities (30 hours of theory, 20 hours of problems sessions and 10 hours of practical sessions in the laboratory).
- 2 hours of T6 activities.
- 40 hours of individual study.
- 5 hours of evaluation activities.

#### 4.5. Bibliography and recommended resources

Zaragoza:

<http://psfunizar10.unizar.es/br13/egAsignaturas.php?codigo=30256&Identificador=14720>

Teruel:

<http://psfunizar10.unizar.es/br13/egAsignaturas.php?codigo=30256&Identificador=14720>