

Academic Year/course: 2021/22

## 30051 - Vehicle Design and Architecture

### Syllabus Information

**Academic Year:** 2021/22

**Subject:** 30051 - Diseño y arquitectura de vehículos

**Faculty / School:** 110 - Escuela de Ingeniería y Arquitectura

**Degree:** 436 - Bachelor's Degree in Industrial Engineering Technology

**ECTS:** 6.0

**Year:** 4

**Semester:** First semester

**Subject Type:** Optional

**Module:**

### 1. General information

### 2. Learning goals

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

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

#### 4.3. Syllabus

The course will address the following topics:

Basic dynamics and typology design of the main vehicles  
Vehicle dynamics and design of the main subsystems  
Safety systems: primary safety and secondary safety  
Automotive regulations  
Software for vehicle design

#### 4.5. Bibliography and recommended resources

Link:

[http://biblos.unizar.es/br/br\\_citas.php?codigo=30051&year=2019](http://biblos.unizar.es/br/br_citas.php?codigo=30051&year=2019)