

# 30747 - Constructive Solutions Concerning Architecture

## Syllabus Information

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**Academic Year:** 2020/21

**Subject:** 30747 - Constructive Solutions Concerning Architecture

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

**Degree:** 470 - Bachelor's Degree in Architecture Studies

**ECTS:** 6.0

**Year:** 5

**Semester:** Second semester

**Subject Type:** Optional

**Module:** ---

## 1.General information

### 1.1.Aims of the course

### 1.2.Context and importance of this course in the degree

### 1.3.Recommendations to take this course

## 2.Learning goals

### 2.1.Competences

### 2.2.Learning goals

### 2.3.Importance of learning goals

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

### 3.1.Assessment tasks (description of tasks, marking system and assessment criteria)

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

### 4.1.Methodological overview

The methodology followed in this course is oriented towards the achievement of the learning objectives. A wide range of teaching and learning tasks are implemented, such as lectures, and practice sessions.

This course has a theoretical part that consists in the analysis of three different built projects that are considered leading architectural references, from a critical viewpoint comprising constructive details, structural analysis and tectonic of materials.

In parallel, the students will develop a similar analysis for a built project of their choice. Lecturers will guide them throughout this process.

### 4.2.Learning tasks

This course is organized as follows:

- Lectures
- Practice sessions

This course is based on the critical analysis of different outstanding buildings. This process will be developed by the students by following similar guidelines to these employed by the lecturers.

### 4.3.Syllabus

This course will address the following topics:

1. Analysis of a building with steel structure.
2. Analysis of a building with reinforced concrete structure.
3. Analysis of a building with wooden structure.

#### **4.4.Course planning and calendar**

Lectures, four hours per week: two of them will be theoretical, given by the lecturers. The other two will be accomplished by the students and guided by the former.

The course assignment will have partial pre-delivery and final delivery dates that will be defined at the beginning of the course.

Further information concerning the timetable, classroom, office hours, assessment dates and other details regarding this course will be provided on the first day of class or please refer to the College of Higher Engineering and Architecture (EINA) website (<https://eina.unizar.es/>) and Moodle.

#### **4.5.Bibliography and recommended resources**

~~Lecture notes will be provided by the professors.~~