

Academic Year/course: 2021/22

## 28603 - Graphic design applied to building

### Syllabus Information

**Academic Year:** 2021/22

**Subject:** 28603 - Graphic design applied to building

**Faculty / School:** 175 - Escuela Universitaria Politécnica de La Almunia

**Degree:** 422 - Bachelor's Degree in Building Engineering

**ECTS:** 6.0

**Year:** 1

**Semester:** First semester

**Subject Type:** Basic Education

**Module:**

## 1. General information

### 1.1. Aims of the course

The initial objective is to know the most common and used techniques and ways of expression. I

These approaches and objectives are in line with the following Sustainable Development Goals (SDGs) of the United Nations 2030 Agenda (<https://www.un.org/sustainabledevelopment/es/>), in such a way that the acquisition of the course learning outcomes provides training and competence to contribute to their achievement to some degree.

**Goal 1: End poverty in all its forms everywhere**

**Goal 2: Zero Hunger**

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

It is a subject placed in the first semester of studies (which would be equivalent to the first

It is mandatory.

It has a teaching load of 6 ECTS credits

### 1.3. Recommendations to take this course

Without prerequisites

## 2. Learning goals

### 2.1. Competences

G01 G02 G03 G04 G05 G06 G07 G08 G 09 G10 G11 G12 G13 G14 G15 G16 G17 G18 G19 G20 G21 G22

CB3

CE1

### 2.2. Learning goals

Ability to apply representation systems: dihedral system

Ability to develop the sketch, proportionality, language, and techniques of graphic representa

Introduction to 2D and 3D CAD

Ability to interpret and elaborate the graphic documentation required for a basic architecture

Ability to obtain the blueprints for building and construction projects.

Know the basics of construction applied drawing

### 2.3. Importance of learning goals

This subject has a vital importance in the development of the Degree in Technical Architecture. In this subject, the technical drawing and the graphic expression that will be seen will be for

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

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

#### COURSE EVALUATION

Sketching 30%

Development of freehand data collection exercises correctly following the principles of technical drawing.

Scaling 40%

Development of the models in a suitable way on a regular scale according to the project to be

2D project 30%

Development of a 2D CAD project.

#### FINAL EVALUATION

Final Test 100%

## 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, practice sessions, seminars, workshops, tutorials, and autonomous work and study.

The methodology of a course such as graphic expression is based on the need for continuous practice, with a lot of exercises and autonomous work, both personally and in groups. The classes are oriented to the development of the works and projects, and theoretical contents will be given to achieve the expected results. It involves the active participation of students.

**If classroom teaching were not possible due to health reasons, it would be carried out on-line**

### 4.2. Learning tasks

This course is organized as follows:

- **Lectures.**
- **Practice sessions / seminars / workshops.**
  - **Computer practices.**
  - **Visits**
- **Tutorials.** In groups and individually. Tutorials can be on-site or online.
- **Autonomous work and study.**

### 4.3. Syllabus

This course will address the following topics:

- **Topic 1.** Graphic Expression Techniques
  - Basic techniques of freehand tracing.
  - Plant concept, section elevation, its interrelation, bounded
  - Sketch
- **Topic 2.** CAD

- 2D
- 3D

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

Duration of projects:

- Project 1: 3 weeks
- Project 2: 7 weeks
- Project 3: 5 weeks

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 Faculty of EUPLA website and Moodle.

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

<http://psfunizar10.unizar.es/br13/egAsignaturas.php?codigo=28603>