

## Course guide

# 290618 - REPRARQII1 - Architectural Representation and Modelling

Last modified: 05/07/2024

**Unit in charge:** Vallès School of Architecture  
**Teaching unit:** 752 - RA - Departamento de Representación Arquitectónica.  
**Degree:** DEGREE IN ARCHITECTURE STUDIES (Syllabus 2014). (Compulsory subject).  
**Academic year:** 2024    **ECTS Credits:** 5.0    **Languages:** Catalan, Spanish

## LECTURER

**Coordinating lecturer:** ISABEL CRESPO CABILLO

**Others:** Bertomeu Farnós, Gerard  
Soriano Botella, Enrique  
Àvila Casademont, Ginés

## DEGREE COMPETENCES TO WHICH THE SUBJECT CONTRIBUTES

### Specific:

EP4G. The ability to conceive, execute and develop basic and detailed designs, sketches and drafts (T).

### Generical:

CE4. Adequate knowledge of urbanism, planning and the techniques that are applied in the planning process

CE3. Knowledge of fine art as a factor that may influence the quality of architectural design.

CE5. The ability to understand the relationship between people and buildings, and between buildings and their environment, and the necessity of relating buildings to the spaces between them in view of needs and human scale.

## TEACHING METHODOLOGY

## LEARNING OBJECTIVES OF THE SUBJECT

To know the elements of the conical perspective, to control the perceptive distortions and to realize photomontages, with geometric rigor and solvency of the line and tonal values. Evaluate the areas in landscape representation (foreground, middle and bottom), dealing with depth values. Possess basic notions of image processing, and begin with representing the materials of the natural and built environment.

## STUDY LOAD

| Type              | Hours | Percentage |
|-------------------|-------|------------|
| Hours small group | 46,8  | 37.41      |
| Hours large group | 8,3   | 6.63       |
| Self study        | 70,0  | 55.96      |

**Total learning time:** 125.1 h



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### Syllabus

**Description:**

Achieving ability to take advantage of a 3D model as a support tool:  
to conceive and solve architectural forms; to discuss and decision-making about spatial and perceptual aspects of the project; to construct the graphic description of the project.

**Full-or-part-time:** 55h

Theory classes: 8h

Laboratory classes: 47h

## GRADING SYSTEM

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## BIBLIOGRAPHY

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**Basic:**

- Sánchez Gallego, Juan Antonio. Geometría descriptiva para arquitectos. [Barcelona]: Departament d'Expressió Gràfica Arquitectònica I, Secció de Geometria Descriptiva, Escola Tècnica Superior d'Arquitectura de Barcelona, Universitat Politècnica de Catalunya, 1989-1990. ISBN 8476530501.
- Font Comas, Joan; Crespo, Isabel; Martínez Mindeguía, Francisco. Els Dibuixos de Josep Llinàs. [Sant Cugat del Vallès]: Centre d'Aplicacions Informàtiques a la representació de l'Arquitectura i el Territori CAIRAT : Escola Tècnica Superior d'Arquitectura del Vallès, DL 2004. ISBN 8460801489.
- Font Comas, Joan; Crespo, Isabel; Martínez Mindeguía, Francisco. Els Dibuixos de Josep Llinàs. [Sant Cugat del Vallès]: Centre d'Aplicacions Informàtiques a la representació de l'Arquitectura i el Territori CAIRAT : Escola Tècnica Superior d'Arquitectura del Vallès, DL 2004. ISBN 8460801489.
- Font Comas, Joan; Crespo, Isabel; Martínez Mindeguía, Francisco. El Dibuix i la imatge del projecte : l'obra gràfica de 4 equips d'arquitectes romans. Sant Cugat del Vallès: Centre d'Aplicacions Informàtiques a la representació de l'Arquitectura i el Territori CAIRAT : Escola Tècnica Superior d'Arquitectura del Vallès, DL 2006. ISBN 846080545X.