Course guide
210120 - RA II - Architectural Representation II

Last modified: 16/02/2024

Unit in charge: Barcelona School of Architecture
Teaching unit: 752 - RA - Departamento de Representación Arquitectónica.

Degree: DEGREE IN ARCHITECTURE STUDIES (Syllabus 2014). (Compulsory subject).

Academic year: 2023 **ECTS Credits:** 5.0 **Languages:** Catalan, Spanish

LECTURER

Coordinating lecturer: ISIDRO NAVARRO DELGADO

Others:

Primer quadrimestre:
ANDRES DE MESA GISBERT - Grup: 1SM2
FRANCISCO JAVIER GONZÁLEZ PÉREZ - Grup: 1ST2
MANUELA IANNI - Grup: 1SM2
ISIDRO NAVARRO DELGADO - Grup: 1ST2
NOEMÍ NÚÑEZ VECIANA - Grup: 1ST2
ALBERTO PEREZ BARROSO - Grup: 1SM2
JORDI SUBIRÓS BRUNET - Grup: 1SM2

Segon quadrimestre:
ANDRES DE MESA GISBERT - Grup: 2ST1
FRANCISCO JAVIER GONZÁLEZ PÉREZ - Grup: 2SM1
MANUELA IANNI - Grup: 2SM1, Grup: 2ST1
ISIDRO NAVARRO DELGADO - Grup: 2SM1
NOEMÍ NÚÑEZ VECIANA - Grup: 2ST1
ALBERTO PEREZ BARROSO - Grup: 2SM1
ALBERTO SÁNCHEZ RIERA - Grup: 2SM1
JORDI SUBIRÓS BRUNET - Grup: 2ST1

DEGREE COMPETENCES TO WHICH THE SUBJECT CONTRIBUTES

Specific:
EAB1. Translation from Spanish slope
EAB2. Translation from Spanish slope
EAB3. Translation from Spanish slope
EAB4. Translation from Spanish slope
EAB5. Translation from Spanish slope
EP4. Translation from Spanish slope
EAB6. Translation from Spanish slope
EAB10. Translation from Spanish slope
EP17. Translation from Spanish slope

Generical:
CG7. Translation from Spanish slope

Transversal:
CT1. Translation from Spanish slope
CT3. Translation from Spanish slope
CT5. Translation from Spanish slope
CT6. Translation from Spanish slope
CT2. Translation from Spanish slope
CT4. Translation from Spanish slope
CT7. Translation from Spanish slope

Basic:
CB1. Translation from Spanish slope
CB2. Translation from Spanish slope
CB3. Translation from Spanish slope
CB4. Translation from Spanish slope
CB5. Translation from Spanish slope

TEACHING METHODOLOGY

Go to catalan or spanish version.

LEARNING OBJECTIVES OF THE SUBJECT

The core of this course is organized around the analysis, interpretation and communication of the graphic processes of the configuration and representation of architecture, until achieving the double objective of providing the student with:
- the education as a provision of architectural and graphic knowledge
- learning the graphic language as a vehicle for reflection and communication
Drawing during the education of the student is inescapable, above all, for the documentary value of the drawing, which allows reading, studying, in short, interpreting architectural phenomena, which once understood, internalized, is again the drawing, which opens the possibility of initiating a new narrative, that is, of re-presenting what is more significant of what has been extracted in this process of interpretation-understanding.
The learning of graphic resources and conventions, which make the drawing intelligible, are necessary for all communication, be it with oneself or with third parties. All drawings are made to be read, and the lines and figures, as well as their articulation, make up the architect's own language to read, think and write architecture.

STUDY LOAD

Type	Hours	Percentage
Hours large group	11,0	8.80
Guided activities	12,0	9.60
Self study	70,0	56.00
Hours small group	32,0	25.60

Total learning time: 125 h

CONTENTS

Go to catalan or spanish version.

Description:
The architectural graphic system is the method of organizing a graphic presentation, designed for an end, for a specific use, always architectural, through representation systems, variables and graphic techniques.
The teaching process focuses on the different phases of the representation of a building, of contemporary architecture of recognized quality, especially isolated single-family housing.
The course is based on the construction of the virtual model, through the analysis of the interior and exterior architectural spaces, as well as their connection and building solutions, as a first contact with BIM methodology.
1. This is followed by the presentation of the building in two stages, the first oriented to the preparation of the two-dimensional projections, plans, elevations and sections, according to the conventional graphic code in the presentation of projects and, the second, to the visualization of axonometric and conical perspectives of the building, producing visual explorations, of both its exterior and interior, and the incidence of light and shadows on those views.
The articulation of the graphic material produced at this stage allows the synthetic description of the complexity of the work, using plans, sections and elevations; the organization of the building mass and the interior space in the axonometric, compact or exploded; and a sequential narrative that always includes the individual perception, and therefore, the subjective understanding of the architecture that needs to be explained.

Full-or-part-time: 70h
Self study : 70h

GRADING SYSTEM

Go to catalan or spanish version.

BIBLIOGRAPHY

Basic:
- Morea, José Miguel; Zaragoza, José Manuel. Guía práctica para la implantación de entornos BIM en despachos de arquitectura e ingenier. 2a. Burgos: Fe de erratas, 2016. ISBN 9788415890324.
- Moret, Salvador. Guía Práctica de Revit. Breslau: Ensenyem, 2017. ISBN 9781517066819.
- Gombrich, Ernst H. Arte e ilusión: estudio sobre la psicología de la representación pictórica. 2ª ed. Madrid: Debate, 2002. ISBN 8483069598.
- Steegmann, Enrique; Acebillo, José. Las medidas en arquitectura. 2ª ed. rev. y act. Barcelona: Gustavo Gili, 2008. ISBN 9788425222375.
- Zevi, Bruno. Saber ver la arquitectura: ensayo sobre la interpretación espacial de la arquitectura. Barcelona: Apóstrofe, 1998. ISBN 8445500805.
- Galcerán Vila, Margarita; Luque González, Manuel; Ruiz Castrillo, Mª Isabel. Representación arquitectónica: elaboración de planos: AutoCAD 2012. Madrid: Delta Publicaciones, cop. 2013. ISBN 9788415581277.

RESOURCES

Other resources:
The materials and documents of the subject may be written indistinctly in any languages of instruction.