210120 - RA II - Architectural Representation II

Coordinating unit: 210 - ETSAB - Barcelona School of Architecture
Teaching unit: 752 - RA - Departamento de Representación Arquitectónica
Academic year: 2019
Degree: DEGREE IN ARCHITECTURE STUDIES (Syllabus 2014). (Teaching unit Compulsory)
ECTS credits: 5

Teaching languages: Catalan, Spanish

Teaching staff

Coordinator: MARIA ISABEL RUIZ CASTRILLO

Others: Primer quadrimestre:
CARLES FERRAN GOZALVEZ - 22
FRANCISCO JAVIER GONZÁLEZ PÉREZ - 22
ISIDRO NAVARRO DELGADO - 12
MARIA ISABEL RUIZ CASTRILLO - 12
JORDI SUBIRÓS BRUNET - 12, 22
JUAN IGNACIO VALGAÑON ÁLVAREZ - 12

Segon quadrimestre:
CARLES FERRAN GOZALVEZ - 41
FRANCISCO JAVIER GONZÁLEZ PÉREZ - 41
MANUELA IANNI - 31
ISIDRO NAVARRO DELGADO - 31
MARIA ISABEL RUIZ CASTRILLO - 31, 41
FRANCISCO VALLS DALMAU - 31

Degree competences to which the subject contributes

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

Specific:
EAB1. Translation from Spanish slope
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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

<table>
<thead>
<tr>
<th>Study load</th>
<th>Total learning time: 125h</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hours large group:</td>
<td>11h 8.80%</td>
</tr>
<tr>
<td>Hours medium group:</td>
<td>0h 0.00%</td>
</tr>
<tr>
<td>Hours small group:</td>
<td>32h 25.60%</td>
</tr>
<tr>
<td>Guided activities:</td>
<td>12h 9.60%</td>
</tr>
<tr>
<td>Self study:</td>
<td>70h 56.00%</td>
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</tbody>
</table>

### Content

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**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.

**Learning time: 70h**

<table>
<thead>
<tr>
<th>Self study</th>
<th>70h</th>
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### Qualification system

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Bibliography

Basic:


