Course guides
290634 - TAPVII14 - Architecture and Design Workshop VII

Unit in charge: Vallès School of Architecture
Teaching unit: 735 - PA - Department of Architectural Design.
753 - TA - Department of Architectural Technology.
Degree: DEGREE IN ARCHITECTURE STUDIES (Syllabus 2014). (Compulsory subject).
Academic year: 2020  ECTS Credits: 12.0  Languages: Catalan, Spanish

LECTURER

Coordinating lecturer: Salvadó Aragonès, Núria
Tudó, Roger

Others: Salvadó Aragonès, Núria
Tudó, Roger

DEGREE COMPETENCES TO WHICH THE SUBJECT CONTRIBUTES

Specific:
EAB3G. Adequate knowledge of spatial representation systems applied to architecture and urbanism.
ET6G. The ability to conceive, calculate, design and erect building structures and integrate them into existing buildings and urban areas (T).
ET7G. The ability to conceive, calculate, design and implement systems for the division of interiors, carpentry, stairs and other finishing work and integrate them into existing buildings and urban areas (T).
ET8G. The ability to conceive, calculate, design and erect enclosures, roofs and other structural work and integrate them into existing buildings and urban areas (T).
EP2G. An aptitude for solving passive environmental conditioning, including thermal and acoustic insulation, climate control, energy performance and natural lighting (T).
EP4G. The ability to conceive, execute and develop basic and detailed designs, sketches and drafts (T).
EP9G. The ability to practise architectural criticism.
EP18G. Adequate knowledge of methods for studying social needs, quality of life, habitability and basic housing programmes.
EP19G. Adequate knowledge of ecology, sustainability and the principles of conservation of energy resources and environmental resources.

Generical:
CG4G. An understanding of structural, construction and engineering design problems related to building design and techniques for solving them.
CG5G. Knowledge of the physical problems, technologies and functions of buildings so as to provide them with comfortable indoor conditions and protection from climate factors.
CG7G. An understanding of 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

1. Research the limits of the inhabit introducing new conditions o extreme situations
2. Research the honesty of the design project.
3. Try to find new ways of design and thinking in architecture, introducing the consequences of the building process into the design process. Every action has a reaction.
4. Going forward of the "quantified" sustainability to the "qualified" sustainability.
5. Experiment new ways of building and designing. Learn how to do research and innovation in architecture.

STUDY LOAD

<table>
<thead>
<tr>
<th>Type</th>
<th>Hours</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Self study</td>
<td>168,0</td>
<td>56.00</td>
</tr>
<tr>
<td>Hours large group</td>
<td>20,0</td>
<td>6.67</td>
</tr>
<tr>
<td>Hours small group</td>
<td>112,0</td>
<td>37.33</td>
</tr>
</tbody>
</table>

Total learning time: 300 h

CONTENTS

The shelter, the indispensable

Description:
content english

Full-or-part-time: 203h
Theory classes: 3h
Laboratory classes: 16h
Guided activities: 16h
Self study: 168h

Humanizing the space

Description:
Further than a program

Full-or-part-time: 9h
Theory classes: 1h
Laboratory classes: 8h

the room

Description:
Definition of the space

Full-or-part-time: 16h
Practical classes: 8h
Laboratory classes: 8h
<table>
<thead>
<tr>
<th>Section</th>
<th>Description</th>
<th>Full-or-part-time</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Discovering the place</strong></td>
<td>Read the conditions of the place, the context and his opportunities</td>
<td>9h</td>
</tr>
<tr>
<td></td>
<td><strong>Theory classes:</strong> 1h</td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Laboratory classes:</strong> 8h</td>
<td></td>
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<tr>
<td><strong>The feeling of the space</strong></td>
<td>The perception, the sensation, and the emotion at the project of the architecture</td>
<td>14h</td>
</tr>
<tr>
<td></td>
<td><strong>Theory classes:</strong> 1h</td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Practical classes:</strong> 5h</td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Laboratory classes:</strong> 8h</td>
<td></td>
</tr>
<tr>
<td><strong>Support and materiality</strong></td>
<td>Design the structure, the matter, the relation with the space and its behaviour</td>
<td>8h</td>
</tr>
<tr>
<td></td>
<td><strong>Laboratory classes:</strong> 8h</td>
<td></td>
</tr>
<tr>
<td><strong>the thermodynamic room</strong></td>
<td>approach at the comfort from the convection, the radiation, the materials, the tightness</td>
<td>8h</td>
</tr>
<tr>
<td></td>
<td><strong>Laboratory classes:</strong> 8h</td>
<td></td>
</tr>
<tr>
<td><strong>The tectonic of the resources</strong></td>
<td>articulate demands and availabilities, optimise processes and opportunities since election of the materials and his impact</td>
<td>9h</td>
</tr>
<tr>
<td></td>
<td><strong>Theory classes:</strong> 1h</td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Laboratory classes:</strong> 8h</td>
<td></td>
</tr>
<tr>
<td><strong>Strategic detail</strong></td>
<td>The condensed proposal into a strategic detail, the emotion and the sensations felt through it</td>
<td>16h</td>
</tr>
<tr>
<td></td>
<td><strong>Practical classes:</strong> 8h</td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Laboratory classes:</strong> 8h</td>
<td></td>
</tr>
</tbody>
</table>
New conditions

Description:
Define new conditions for the project

Full-or-part-time: 3h
Laboratory classes: 3h

GRADING SYSTEM