310153 - Adaptation Projects and Use Change of Building

Coordinating unit: 310 - EPSEB - Barcelona School of Building Construction
Teaching unit: 752 - RA - Departamento de Representación Arquitectónica
Academic year: 2018
Degree: BACHELOR'S DEGREE IN ARCHITECTURAL TECHNOLOGY AND BUILDING CONSTRUCTION (Syllabus 2015). (Teaching unit Optional)
BACHELOR'S DEGREE IN BUILDING CONSTRUCTION SCIENCE AND TECHNOLOGY (Syllabus 2009). (Teaching unit Optional)
ECTS credits: 3
Teaching languages: Catalan, Spanish, English

Teaching staff
Coordinator: Dídac Gordillo Bel
Others: Dídac Gordillo Bel

Opening hours
Timetable: Tuesday 14:00-15:00

Prior skills
Ability for the drawing and graphical representation and knowledge in architecture and construction for the development of projects.

Requirements
Core subjects of graphical expression.
Define the architectural styles of any inherited building.
Identify the periods of each architectural style.

Degree competences to which the subject contributes
Specific:
1. FB-3 Ability to apply the systems of spatial representation, the development of the sketch, the proportionality, the language and the techniques of the graphical representation of the constructive elements and processes.

Transversal:
2. EFFICIENT ORAL AND WRITTEN COMMUNICATION. Communicating verbally and in writing about learning outcomes, thought-building and decision-making. Taking part in debates about issues related to the own field of specialization.

Teaching methodology
The subject is developed in two parts: one theoretical parts where is proposed a tour through the most relevant manifestations of the last centuries about the initial historic and stylistic basis, continuing with the following interventions, until the current period of the architecture in all its field and with all its artistic wealth. And also a second part which is practical where there will be developed different space solutions.
Communication with the faculty in class and by email.
Presentation of the theoretical lectures at class.
Occasionally there will be programmed some architectural visit which the professor considers interesting.

Learning objectives of the subject
. THE FINAL OBJECTIVE IS TO GUIDE THE STUDENT TOWARDS THE FINAL DEGREE PROJECT (PFG).

The objectives consist in the development of the abilities of the students to express by traditional graphical techniques specific of other subjects, there will be proposed: intervention projects in determined spaces which consist in its transformation by means of models coming from the architecture, taking as examples various works of architects and inventors of the last two centuries in their corresponding epochs and styles. Emphasizing the sketch and its development as the way to achieve the final project.

<table>
<thead>
<tr>
<th>Study load</th>
<th>Hours large group:</th>
<th>Hours medium group:</th>
<th>Hours small group:</th>
<th>Guided activities:</th>
<th>Self study:</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Total learning time:</strong> 75h</td>
<td>15h</td>
<td>0h</td>
<td>15h</td>
<td>0h</td>
<td>45h</td>
</tr>
<tr>
<td></td>
<td>20.00%</td>
<td>0.00%</td>
<td>20.00%</td>
<td>0.00%</td>
<td>60.00%</td>
</tr>
</tbody>
</table>
### Content

<table>
<thead>
<tr>
<th>- <strong>Treatise of the architecture by the styles and typologies</strong></th>
<th>Learning time: 58h</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Theory classes: 8h</td>
</tr>
<tr>
<td></td>
<td>Practical classes: 8h</td>
</tr>
<tr>
<td></td>
<td>Guided activities: 14h</td>
</tr>
<tr>
<td></td>
<td>Self study: 28h</td>
</tr>
</tbody>
</table>

**Description:**
Theoretical Block. Treaty of the architectures through the styles and typologies.

1. The styles through the architects. Buildings with unknown author
2. Different periods through their buildings.
3. Elements of the architecture. Purpose, technique, space communication, housing, form and utility.
4. Treaty of the interiors through the architecture expressed by an architect.
5. Ephemeral architecture.
7. Limited spaces.
8. Architecture as the creation of the space.
9. Furniture and architecture.

**Related activities:**
Valuation of the attendance and cooperation at class.
Activities: Individual or in group works in continuous evaluation.

**Specific objectives:**
The objectives consist in the ability of the student to express with traditional graphical techniques, some intervention projects in determined spaces and its transformation, by models coming from the architecture.

<table>
<thead>
<tr>
<th>- <strong>Transformation of the space</strong></th>
<th>Learning time: 58h</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Theory classes: 8h</td>
</tr>
<tr>
<td></td>
<td>Practical classes: 8h</td>
</tr>
<tr>
<td></td>
<td>Guided activities: 14h</td>
</tr>
<tr>
<td></td>
<td>Self study: 28h</td>
</tr>
</tbody>
</table>

**Description:**
In this content the students work:
Transformation of the spaces. The adaptation process to the destined use. Through four projects: Lofts, apartments, unique dwellings, industrial units, recycling: dwellings and offices, small buildings.
Expression, representation and forms of the materials through the graphic art.

**Related activities:**
Valuation of the attendance and cooperation at class.
Activities: Individual or in group works, continuous evaluation.

**ADAPTATION OF ARCHITECTURAL SPACES IN UNIQUE BUILDINGS.**
The most important activity is to guide the student through the fulfilment of a project similar to the PFG which will be presented for the obtaining of the degree.
310153 - Adaptation Projects and Use Change of Building

**Qualification system**

Each day of class there will be done an oral exposition about the corresponding topic and there will be developed a graphical exercise at class following the professor guidelines. There will be proposed and corrected a special homework at half course, and there will be delivered a final project with a valuation for everyone of 50% of the final mark. The attendance to class and the active involvement of the students are valued.

**Regulations for carrying out activities**

To achieve the final mark, the professor must have corrected personally the works of the student at class. There won't be accepted any work which has not been supervised by the professor. The drawing and presentation techniques are totally free with the exception of the paper format which will be in DIN A3 format. **THE FINAL PART OF THE SUBJECT WILL BE DEVELOPED BY MEANS OF A WORK SIMILAR TO THE PFG DIRECTED TO THE FULLFILMENT OF THE SAME.**

**Bibliography**

**Basic:**


**Complementary:**


