# 310088 - Interior Space Project

**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 BUILDING CONSTRUCTION SCIENCE AND TECHNOLOGY (Syllabus 2009).  
(Teaching unit Optional)  
BACHELOR’S DEGREE IN ARCHITECTURAL TECHNOLOGY AND BUILDING CONSTRUCTION (Syllabus 2015). (Teaching unit Optional)  
**ECTS credits:** 3  
**Teaching languages:** Catalan, Spanish

## Teaching staff

**Coordinator:** BLANCA FIGUERAS QUESADA  
**Others:** PEDRO MON TAILLANT

## Prior skills

To have CAD and graphical expression knowledge. Knowledge in facilities, structures and construction.

## 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.  
2. **FE-1** Ability to understand and make the graphical documentation of a project, to do data gathering, surveying of plans and geometric control of construction units.  
3. **FE-2** Knowledge of the infographic and cartographic procedures and methods in the construction field.  
4. **FE-4** Knowledge of the materials and traditional or prefabricated construction systems used in construction, their varieties and physical and mechanical features which define them.  
5. **FE-7** Ability to identify the constructive elements and systems, define its function and compatibility, and its implementation to construction in the construction process. Plan and solve constructive details.  
6. **FE-14** Aptitude to apply the specific regulations about facilities in the construction process.  
7. **FE-27** Ability to apply the necessary advanced tools for the resolution of the parts which the technical project implies and its management.  
8. **FE-28** Aptitude to write technical projects of constructions, which don’t require architectural projects, as well as projects of demolition and design.  
9. **FE-33** Exposition and defence, before a university committee, of a final of degree project, consisting in an exercise of assimilation of the educational contents received and the competences acquired.
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Teaching methodology

The students will develop during the course a public presentation of an interior space refurbishment (IN GROUPS OF TWO MEMBERS) supporting on the theories done at class, and following a project order. Daily, the proposals of each student will be corrected according to the interior resolution of the space. There will be done a series of little graphical exercises related with the evolution of the project.

Other resources:
Communication with the professors by ATENEA and mail. Advertisements and information in the exterior cabinet of the corresponding office.

Audiovisual material:
Presentation of the theoretical classes at class by projector and presentations with Power Point or similar.

Computer material:
The theoretical topics will be uploaded in the intranet of the school (ATENEA), as well as any wording in PDF. The communication with the students will be also with ATENEA and its inner mail.

Learning objectives of the subject

At the end of the subject, the students should be able to:

- Identify the different technical parts which form a little construction project.
- Use the different graphical and technological tools to represent a complete project.
- Obtain a vocabulary appropriate to the profession at the time to defend the proposed ideas.
- Obtain the legal knowledge which determine an interior project at the level of regulations, responsibilities, etc.
- Be able of choose between the student proposals and the most appropriate technically.
- Develop the direct relation between drawing and project.
- Contemplate the technology not only as a summary of the knowledges which make possible the construction of a project, otherwise as a basic element in the manner of the proposals.
- Dominate the graphical representation, at the level of technical plans or artistic representations.
- Know partially the illumination and electrical part of the facilities which form a project.

Study load

<table>
<thead>
<tr>
<th>Total learning time: 75h</th>
<th>Hours large group: 6h</th>
<th>8.00%</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Hours medium group: 24h</td>
<td>32.00%</td>
</tr>
<tr>
<td></td>
<td>Hours small group: 0h</td>
<td>0.00%</td>
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<tr>
<td></td>
<td>Guided activities: 0h</td>
<td>0.00%</td>
</tr>
<tr>
<td></td>
<td>Self study: 45h</td>
<td>60.00%</td>
</tr>
<tr>
<td>Content</td>
<td>Learning time: 4h</td>
<td></td>
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<tr>
<td>---------</td>
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<td></td>
</tr>
<tr>
<td>(ENG) C1 Bloque 1. El Proyecto</td>
<td>Theory classes: 0h 30m</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Laboratory classes: 1h 30m</td>
<td></td>
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<tr>
<td></td>
<td>Self study : 2h</td>
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</tbody>
</table>

**Description:**
In this content the students will acquire theoretical and practical knowledge to achieve a complete interior design project.

**Content 1**
- Sketch of the space.
- Graphical representation of the current space and proposal.

**Related activities:**
There will be done some questionnaires about the given material which at the same time will be useful for the students to understand the content deeply.
The students will start the project with the corrections at class.

<table>
<thead>
<tr>
<th>Content</th>
<th>Learning time: 8h</th>
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</thead>
<tbody>
<tr>
<td>(ENG) C2 Bloque 2. El proyecto técnico</td>
<td>Theory classes: 1h</td>
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<tr>
<td></td>
<td>Practical classes: 3h</td>
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<tr>
<td></td>
<td>Self study : 4h</td>
</tr>
</tbody>
</table>

**Description:**
In this content the guidelines of the project development will be given, so that the students can execute the final chosen solution and start the interior design project.

**Content 2**
- Illumination. The light and shades as definer agents of the architectural space.
- Space-light typologies: artificial, natural, location, installation.
- The color.
- The materials and its representation.

**Related activities:**
There will be done some questionnaires about the given material which at the same time will be useful for the students to understand the content deeply. These questionnaires don't have valuation.
There will be applied the acquired knowledge to the individual project with the particular corrections.
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<table>
<thead>
<tr>
<th><strong>(ENG) C3 Bloque 3. Pliegos de condiciones, detalles, memorias</strong></th>
<th><strong>Learning time:</strong> 4h 30m</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Description:</strong></td>
<td><strong>Theory classes:</strong> 0h 30m</td>
</tr>
<tr>
<td>In this content there will be done theoretical classes related with the construction licenses and the administration as well as the technical report writing and the representation of constructive details in a project.</td>
<td><strong>Laboratory classes:</strong> 1h</td>
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<tr>
<td>Content 3</td>
<td><strong>Self study:</strong> 3h</td>
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<tr>
<td>- The constructive details in interior design projects. Choice of the detail to draw and its graphical representation, scale, texture, comprehension.</td>
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<tr>
<td>- Legal and administrative aspects in the execution of an interior design project.</td>
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<td>- Necessary plans.</td>
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<td>- Documentation: Reports, measurings, budgets.</td>
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<tr>
<td><strong>Related activities:</strong></td>
<td></td>
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<tr>
<td>There will be done some questionnaires about the given material which at the same time will be useful for the students to understand the content deeply.</td>
<td></td>
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<tr>
<td>There will be applied the acquired knowledge to the individual project with the particular corrections.</td>
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<thead>
<tr>
<th><strong>(ENG) C4 Il.luminaciò</strong></th>
<th><strong>Learning time:</strong> 10h 30m</th>
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</thead>
<tbody>
<tr>
<td><strong>Theory classes:</strong> 1h</td>
<td></td>
</tr>
<tr>
<td><strong>Practical classes:</strong> 1h 30m</td>
<td></td>
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<tr>
<td><strong>Self study:</strong> 8h</td>
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<thead>
<tr>
<th><strong>(ENG) C5 Escalas 1/20</strong></th>
<th><strong>Learning time:</strong> 12h</th>
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</thead>
<tbody>
<tr>
<td><strong>Theory classes:</strong> 1h</td>
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<tr>
<td><strong>Practical classes:</strong> 3h</td>
<td></td>
</tr>
<tr>
<td><strong>Self study:</strong> 8h</td>
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</table>

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<tr>
<th><strong>(ENG) C6 Carpintería i detalls</strong></th>
<th><strong>Learning time:</strong> 12h</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Theory classes:</strong> 3h</td>
<td></td>
</tr>
<tr>
<td><strong>Practical classes:</strong> 1h</td>
<td></td>
</tr>
<tr>
<td><strong>Self study:</strong> 8h</td>
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</tbody>
</table>
(ENG) C7 Materials

Learning time: 12h
- Theory classes: 1h
- Practical classes: 3h
- Self study: 8h

(ENG) C8 Memoria constructiva

Learning time: 12h
- Theory classes: 1h
- Practical classes: 3h
- Self study: 8h

Planning of activities

(ENG) A1 PROVES INDIVIDUALS D'ÀVALUACIÓ CONTÍNUA . ENTREGA FINAL

Description:
There will be done a technical interior project of an interior space chosen by the students with the guidelines explained in the dossier of the subject.

Support materials:
- Weekly theory by Power Point uploaded in ATENEA.
- Necessary bibliography to consult the contents.
- Individual corrections at class.

Descriptions of the assignments due and their relation to the assessment:
It will be delivered a block with the complete technical project in DINA3 format.

Specific objectives:
- Learn how to organize a whole project.
- Analyze the most important elements to present in a project for its comprehension.

Qualification system

There will be done a final delivery of the individual work and a public presentation. The valuation of this subject will be the addition of three marks.

- Final project 0.70 N
- Class exercises 0.30 N
- Presentation 0.20 N

The attendance to class is compulsory in a 80%.
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Regulations for carrying out activities

It is a necessary condition to have corrected many times the final project to value the aptitude of the student. All the works must be done, the individual works and exceptional works. The exercises done at class have numerical valuation but are considered as acquired knowledge and implication with the topic.

Bibliography

Basic:


Others resources:

web links:
www.coac.net
www.apabcn.es
www.epseb.upc.edu

legislation:
- Decreto 259/2003 de 21 d'octubre: requisitos mínims d'habitabilitat en els edificis d'habitatges i de la cèdula d'habitabilitat.
- Normativa Urbanística metropolitana: normes urbanístiques Ordenances metropolitanes d'edificació.
- Ordenança metropolitana de publicitat Ordenança metropolitana de rehabilitació (2001). Barcelona, Mancomunitat de Municipis de l'Àrea Metropolitana de Barcelona.
- Ordenança Activitats i establiments de concurrencia pública de Barcelona BOP 169 (16-07-2003)
- Ordenança dels usos del paisatge urbà de la ciutat de Barcelona. BOP 146 (19/6/1999)