Course guides
310758 - 310758 - Interior Design Project

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

Degree: BACHELOR’S DEGREE IN ARCHITECTURAL TECHNOLOGY AND BUILDING CONSTRUCTION (Syllabus 2019).
(Optional subject).

Academic year: 2021  ECTS Credits: 3.0  Languages: English

LECTURER

Coordinating lecturer: ALBERT MARIN NAVARRO
                      JANINA PUIG COSTA

Others: ALBERT MARIN NAVARRO
         JANINA PUIG COSTA

PRIOR SKILLS

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

DEGREE COMPETENCES TO WHICH THE SUBJECT CONTRIBUTES

Specific:
FB-03. 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.
FE-01. 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.
FE-02. FE-2 Knowledge of the infographic and cartographic procedures and methods in the construction field.
FE-04. 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.
FE-07. 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.
FE-14. FE-14 Aptitude to apply the specific regulations about facilities in the construction process.
FE-27. FE-27 Ability to apply the necessary advanced tools for the resolution of the parts which the technical project implies and its management.
FE-28. FE-28 Aptitude to write technical projects of constructions, which don't require architectural projects, as well as projects of demolition and design.
FE-33. 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.

Transversal:
07 AAT. SELF-DIRECTED LEARNING. Detecting gaps in one's knowledge and overcoming them through critical self-appraisal. Choosing the best path for broadening one's knowledge.
04 COE. 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.
05 TEQ N2. TEAMWORK - Level 2. Contributing to the consolidation of a team by planning targets and working efficiently to favor communication, task assignment and cohesion.
TEACHING METHODOLOGY

The students will develop during the course a public presentation of an interior design construction chosen by them between some determined options, the groups will have a maximum of three members. Analyzing all the theoretical aspects 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:
. Determine: the hierarchy of the elements at the time of projecting.
. To have an organization system during the project.
. Relate: the different spaces to achieve interior comfort.
. To define graphically the chosen solution.
. Understand projects of other professionals.
. Being able to analyze any project with critical ability.

STUDY LOAD

<table>
<thead>
<tr>
<th>Type</th>
<th>Hours</th>
<th>Percentage</th>
</tr>
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<tbody>
<tr>
<td>Self study</td>
<td>45,0</td>
<td>60.00</td>
</tr>
<tr>
<td>Hours large group</td>
<td>30,0</td>
<td>40.00</td>
</tr>
</tbody>
</table>

Total learning time: 75 h
CONTENTS

C1 Unit 1 Historic referents

Description:
In this content the student will acquire historical knowledge of the architecture, specifically of the XX and XXI centuries and the architects which have worked about the interior space and the corresponding furniture design, know partially the different styles and materials used through the history, starting from the XX century.
Architectural models.
Brief history of the architecture.
The interior distributions through the XXI Century.

Specific objectives:
Introduce the student in the basic knowledge of the architecture history and its evolution. To have basic cultural knowledge, regarding to the architecture.

Related activities:
There will be done questionnaires about the teaching material which will be useful to understand the topic deeply. At the same time the students will start to prepare the project to analyze.

Full-or-part-time: 11h
Theory classes: 3h
Practical classes: 1h
Self study : 7h

C2 Bloc 2 The project

Description:
Study and analysis of projects.
Methodology of the project.
Technical dimension of the interior project.
Execution process and intervention possibilities in existing spaces.
Spaces: public, private, locals, dwellings, momentary spaces.

Specific objectives:
To have a mental order at the moment of starting an interior project.

Related activities:
There will be done some questionnaires and exercises about the teaching material and at the same time it will be useful to understand the topic deeply. At the same time the students will start to prepare the project to analyze.

Full-or-part-time: 11h
Theory classes: 3h
Practical classes: 1h
Self study : 7h
C3 Unit 3 The interior space.

Description:
Order of the spaces. Elements of composition.
Order principles.
Zoning.
Circulation.
Functionality.
Communication.
Surface.
The form.
Scales.
Proportion.
Equilibrium.
Rhythm.

Related activities:
There will be done some questionnaires or exercises about the teaching material which at the same time will be useful to understand deeply the topic.
At the same time the students will start to prepare the project to analyze.

Full-or-part-time: 11h
Theory classes: 3h
Practical classes: 1h
Self study: 7h

C4 Unit 4 Illumination

Description:
Theory about the way to light the interior spaces, disposition of the light points, plugs and switches.

Specific objectives:
Design the light according to the purpose of each interior space.

Related activities:
There will be done a little exercise related with the illumination.

Full-or-part-time: 10h
Theory classes: 3h
Practical classes: 1h
Self study: 6h
C5 Unit 5 Materials & Furniture

**Description:**
Revision of the materials in the interior space: ceilings, floors, empty spaces. Classification of the materials and its execution in construction.

**Specific objectives:**
Know the world of the light materials, its construction processes and the most suitable search of them. Brief knowledge of furniture design.

**Related activities:**
There will be done a brief exercise of the search of interior materials.

**Full-or-part-time:** 10h 40m
- Theory classes: 3h
- Practical classes: 1h
- Self study: 6h 40m

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C6 Unit 6 External determinants, Rules

**Description:**
In this section there will be done theoretical classes related with the construction licenses and administration as well as the way of making a technical report and the representation of project details.

Legal and administrative aspects in the making of an interior project.
- Necessary plans.
- The association. Endorsements.
- Paperwork: Licenses, regulations.
- Writing of reports.

**Specific objectives:**
Know the existing regulations related with the small constructions, at the same time the students will know the association.

**Related activities:**
There will be done some questionnaires or exercises about the teaching material and at the same time it will be useful to understand the topic deeply.
At the same time the students will start to prepare the project to analyze.

**Full-or-part-time:** 10h 40m
- Theory classes: 3h
- Practical classes: 1h
- Self study: 6h 40m
C7 Unit 7 Distribution

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.

Full-or-part-time: 10h 40m
- Theory classes: 1h
- Practical classes: 3h
- Self study: 6h 40m

GRADING SYSTEM

There will be a group delivery on the analysis of an architectural project in PDF and video.
The assessment of this subject will be the sum of several aspects.
- Average of individual deliveries 0.60 N
- Group project analysis 0.40 N
It is mandatory to have made all the deliveries to be evaluated.

EXAMINATION RULES.

- It is a necessary condition to have corrected many times the final project to value the aptitude of the student.
- The tests realised at class have numerical valuation.
- The public exposition of the group work will be done during the three last weeks of the four-month term according to the educational calendar.

BIBLIOGRAPHY

Basic:

Complementary:

RESOURCES

Hyperlink:
- https://www.fad.cat/arquin-fad/ca. FAD awards
- https://www.arquitectes.cat/. Architects college of Catalonia
- https://bibliotecna.upc.edu/. Online UPC library

Other resources:
Web:
www.coac.net
www.apabcn.es
www.epseb.upc.edu