310018 - Architecture, Construction and the City in Western History

Coordinating unit: 310 - EPSEB - Barcelona School of Building Construction
Teaching unit: 756 - THATC - Department of History and Theory of Architecture and Communication Techniques
Academic year: 2017
Degree: BACHELOR'S DEGREE IN ARCHITECTURAL TECHNOLOGY AND BUILDING CONSTRUCTION (Syllabus 2015). (Teaching unit Compulsory)
BACHELOR'S DEGREE IN BUILDING CONSTRUCTION SCIENCE AND TECHNOLOGY (Syllabus 2009). (Teaching unit Compulsory)
ECTS credits: 6
Teaching languages: Catalan

Teaching staff
Coordinator: Graus Rovira, Ramon
Others: Graus Rovira, Ramon
Navarro Gonzalez, Ruben
Navas Ferrer, Maria Teresa

Opening hours
Timetable: It will be indicated on the Secció d'Història de la Construcció board (3rd floor).

Degree competences to which the subject contributes

Specific:
1. FE-6 Knowledge of the historical evolution of the constructive techniques and elements and the structural systems which have led to stylistic forms.
2. FE-10 Aptitude to intervene in the refurbishment of buildings and the restoration and preservation of the built heritage.
3. 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.

Transversal:
4. EFFICIENT ORAL AND WRITTEN COMMUNICATION - Level 2. Using strategies for preparing and giving oral presentations. Writing texts and documents whose content is coherent, well structured and free of spelling and grammatical errors.
310018 - Architecture, Construction and the City in Western History

Teaching methodology

In the theory groups: There will be carried out lectures, always with the active involvement of the students, so that to make easier the learning of the general and basic knowledge handbooks, also for encouraging the students in the study of the history of the architecture, the construction and the city.

In the practice groups: There will be expounded the practical works to do, reflecting on the requirements of the contents, either in its expositive, technical or graphic aspects. There also will be expounded, with examples, the range of solutions for the fulfillment of the next written exercises, and in these hours will be done the delivery of the exercise corresponding to the evaluation activity A1.

In the autonomous self-learning hours: The students must work the handbooks and prepare the written exercises A2 and A3.

In the directed activity hours: Finally, if the students want, they can attend the voluntary and non-evaluable visits A4 which the faculty provide for some Saturday mornings during the course (6 hours).

For guarantee the continuous evaluation proposed, the attendance to class is essential. The professor of each group could establish the control mechanisms of this attendance.

Learning objectives of the subject

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

- Determine the basic characteristics of the architecture, the construction and the city in their great historic periods.
- Relate the architecture, the construction and the city with the history and the culture of each time and geography.
- Use a specialized and adequate vocabulary.

Study load

<table>
<thead>
<tr>
<th>Total learning time: 150h</th>
<th>Hours large group:</th>
<th>36h</th>
<th>24.00%</th>
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<tbody>
<tr>
<td></td>
<td>Hours medium group:</td>
<td>18h</td>
<td>12.00%</td>
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<tr>
<td></td>
<td>Hours small group:</td>
<td>0h</td>
<td>0.00%</td>
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<tr>
<td></td>
<td>Guided activities:</td>
<td>6h</td>
<td>4.00%</td>
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<tr>
<td></td>
<td>Self study:</td>
<td>90h</td>
<td>60.00%</td>
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### Content

#### C1 19th & 20th Centuries

<table>
<thead>
<tr>
<th>Learning time: 75h</th>
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<tbody>
<tr>
<td>Theory classes: 22h 30m</td>
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<tr>
<td>Practical classes: 7h 30m</td>
</tr>
<tr>
<td>Guided activities: 3h</td>
</tr>
<tr>
<td>Self study: 42h</td>
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</tbody>
</table>

**Description:**

In this content, the students work the architecture, construction and city in the Western world, from mid-eighteenth century until now.
- Industrialization and city during the XVIII and XIX centuries.
- Old and new materials in the XVIII and XIX centuries.
- Modernisation of the architecture and renovation of the technique in the XVIII and XIX centuries.
- The turn of the century years, 1870-1914.
- Architecture, construction and city during the inter-war period.
- Architecture, construction and city from the mid-twentieth century until now.

**Related activities:**

There will be done the activities A1, A2, A3 and A4, which correspond to the practices (A1), the written exercise (A2), the questionnaire (A3) and the voluntary journey for visiting a building of the period (A3). The activities A1, A2 and A3 constitute the basis of the continuous evaluation of the course.

**Specific objectives:**

- To locate the most significant buildings in the cultural periodization of the contemporary world.
- To enumerate the basic architecture and construction lexicon of the period.
- To connect the ideas-strength of the culture at that time with the architectural production.
- To analyze how the construction interacts with the architecture of the period.
# C2 Antiquity, Middle Ages, XVth-XVIIIth Centuries

**Learning time:** 75h
- Theory classes: 22h 30m
- Practical classes: 7h 30m
- Guided activities: 3h
- Self study: 42h

## Description:
In this content the students work the architecture, construction and city in the Western world history, from 1000 BC till 1789.
- Greece, Rome and Byzantium.
- Late and Early Middle Ages (Romanesque, Gothic and Islamic).
- Modern World (Renaissance, Mannerism and Baroque).

## Related activities:
There will be done the activities A1, A2, A3 and A4, which correspond to the practices (A1), the written exercise (A2), the questionnaire (A3) and the voluntary journey for visiting a building of the period (A4). The activities A1, A2 and A3 constitute the basis of the continuous evaluation of the course.

## Specific objectives:
- To locate the most significant buildings in the cultural periodization of the Ancient, Medieval and Modern world.
- To enumerate the basic architecture and construction lexicon of the period.
- To connect the ideas-strength of the culture at that time with the architectural production.
- To analyze how the construction interacts with the architecture of the period.
### Planning of activities

| A1 PRACTICAL WORK (IN EACH OF THE 2 MODULES OF CONTENTS) | Hours: 6h  
Practical classes: 6h |
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<tbody>
<tr>
<td><strong>Description:</strong></td>
<td>Practical work which the student must do individually and autonomously. The methodology and the presentation requirements will be exposed on the practice groups.</td>
</tr>
<tr>
<td><strong>Support materials:</strong></td>
<td>The students must use the recommended documentation in each case distributed by Atenea.</td>
</tr>
<tr>
<td><strong>Descriptions of the assignments due and their relation to the assessment:</strong></td>
<td>There will be given according to the specific schedule of each group. This exercise, which will be given back corrected, will integrate in the student's file folder and worths the 20% of the continous evaluation of the course.</td>
</tr>
</tbody>
</table>
| **Specific objectives:** | At the end of the practice, the students should be able to:  
Explain graphically and/or in writing the architectural, structural and urban features of the construction or the corresponding part. |

| A2 WRITTEN EXERCISE (IN EACH OF THE 2 MODULES OF CONTENT) | Hours: 11h 30m  
Self study: 10h  
Theory classes: 1h 30m |
|----------------------------------------------------------|-----------------|
| **Description:** | Individual realization at class of an exercise about the manual content and a previously defined content more specialised explained at class and present in the bibliography.  
To evaluate the writing generic competence, during the written exercise the writing quality will be valued with a 10% of the final mark. The following scale will be applied on a mark over 10: A (1 point), B (0,7), C (0,5), D (0,3) and E (0). At the end of the course the competence will be evaluated by weighting the median of the numeric marks obtained in the exercises with the experienced improvement. Even so, the corresponding points of each module will continue being a part of the subject final mark. |
| **Support materials:** | The basic bibliography and eventually the supplementary bibliography for each case. |
| **Descriptions of the assignments due and their relation to the assessment:** | This exercise, which will be given back corrected, will integrate the student's file folder and worths the 60% of the continuous evaluation course. |
| **Specific objectives:** | Explain critically a manual topic or the detailed topics previously agreed. |

| A3 TEST ON THE CULTURE OF THE PERIOD (IN EACH OF THE 2 MODULES OF CONTENT) | Hours: 1h 30m  
Self study: 1h  
Theory classes: 0h 30m |
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<tbody>
<tr>
<td><strong>Description:</strong></td>
<td>Realización individual dentro del aula de un test sobre la cultura del período y su geografía.</td>
</tr>
<tr>
<td><strong>Support materials:</strong></td>
<td>The basic bibliography and eventually the complementary bibliography.</td>
</tr>
</tbody>
</table>
A4 VISIT TO THE ARCHITECTURE OF THE COUNTRY WITH THE TEACHER (IN 2 MODULES)

Description:
Voluntary journey with the professor, on a Saturday morning, to a building, neighbourhood or city for consolidating the explanations given to the theory group.

Support materials:
There will be given surveyings of the building or brief descriptions of the visited object.

Specific objectives:
- To approximate on first hand to the architecture, construction and cities of Catalunya.
- To consolidate the teaching given to the theory groups.

Qualification system

Evaluación continuada:
Para aprobar la asignatura es obligatorio aprobar por separado los dos módulos que la componen. En cada uno de los módulos se evaluarán las actividades A1 (10%), A2 (30%) y A3 (10%). La nota final sobre 10 se obtendrá de la media aritmética de la nota obtenida de cada módulo. Si el alumno participa por debajo del 30% de las actividades evaluables será calificado como No Presentado (NP).

Reavaluación:
Para poder optar a la reavaluación el/la estudiante debe haber sidu evaluado de la asignatura como suspendido (S) con una nota mínima de 3,5. En ningún caso se permitirá presentarse a la revaluación a un/a estudiante que haya aprobado la asignatura para subir nota. El examen, que se realizará en el horario programado por dirección, tendrá una duración de 2 horas y utilizará el mismo tipo de pregunta que los exámenes realizados durante el curso (A2), teniendo en cuenta que se evaluará el temario completo del curso.

Regulations for carrying out activities
Each module has evaluable activities. None of them is compulsory, but if some is not done it will mark as 0.
Bibliography

Basic:


Complementary:


