

## Course guide

# 310018 - 310018 - Architecture, Construction and the City in Western History

Last modified: 02/04/2020

**Unit in charge:** Barcelona School of Building Construction  
**Teaching unit:** 756 - THATC - Department of History and Theory of Architecture and Communication Techniques.  
**Degree:** Academic year: 2020 **ECTS Credits:** 6.0  
**Languages:** Catalan

## LECTURER

---

**Coordinating lecturer:** Graus Rovira, Ramon

**Others:** Graus Rovira, Ramon  
Navarro Gonzalez, Ruben  
Navas Ferrer, Maria Teresa  
Arboix Alió, Alba  
Cornellana Díaz, Joan Ramon  
García Sanmartín, Guayente

## 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.

## 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 fulfilment 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 A1, 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 assessment 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

Type	Hours	Percentage
Hours large group	36,0	24.00
Guided activities	6,0	4.00
Self study	90,0	60.00
Hours medium group	18,0	12.00

**Total learning time:** 150 h

## CONTENTS

### C1 Antiquity, Middle Ages, 15th-18th Centuries

#### 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 art).
- Modern World (Renaissance, Mannerism and Baroque).

#### 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.

#### 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 visit of a building of the period (A4). The activities A1, A2 and A3 constitute the basis of the continuous assessment of the course.

#### Related competencies :

FE-10. FE-10 Aptitude to intervene in the refurbishment of buildings and the restoration and preservation of the built heritage.

FE-06. FE-6 Knowledge of the historical evolution of the constructive techniques and elements and the structural systems which have led to stylistic forms.

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.

04 COE N2. 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.

#### Full-or-part-time: 75h

Theory classes: 22h 30m

Practical classes: 7h 30m

Guided activities: 3h

Self study : 42h

## C2 19th & 20th Centuries

### 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 18th and 19th centuries.
- Old and new materials in the 18th and 19th centuries.
- Modernisation of the architecture and renovation of the technique in the 18th and 19th 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.

### 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.

### 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 visit of a building of the period (A4). The activities A1, A2 and A3 constitute the basis of the continuous assessment of the course.

### Related competencies :

FE-10. FE-10 Aptitude to intervene in the refurbishment of buildings and the restoration and preservation of the built heritage.  
FE-06. FE-6 Knowledge of the historical evolution of the constructive techniques and elements and the structural systems which have led to stylistic forms.

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.

04 COE N2. 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.

### Full-or-part-time: 75h

Theory classes: 22h 30m

Practical classes: 7h 30m

Guided activities: 3h

Self study : 42h

## ACTIVITIES

### A1 PRACTICAL WORK (IN EACH OF THE 2 MODULES OF CONTENTS)

**Description:**

Practical work which the student must do individually and autonomously. The methodology and the presentation requirements will be exposed on the practice groups.

**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.

**Material:**

The students must use the recommended documentation in each case distributed by Atenea.

**Delivery:**

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 44% of the continuous assessment of the course.

**Related competencies :**

FE-10. FE-10 Aptitude to intervene in the refurbishment of buildings and the restoration and preservation of the built heritage.

FE-06. FE-6 Knowledge of the historical evolution of the constructive techniques and elements and the structural systems which have led to stylistic forms.

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.

**Full-or-part-time:** 6h

Practical classes: 6h

## A2 WRITTEN EXERCISE (IN EACH OF THE 2 MODULES OF CONTENT)

### 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.

### Specific objectives:

Explain critically a manual topic or the detailed topics previously agreed.

### Material:

The basic bibliography and eventually the supplementary bibliography for each case.

### Delivery:

This exercise, which will be given back corrected, will integrate the student's file folder and worths the 50% of the continuous assessment of the course.

### Related competencies :

FE-10. FE-10 Aptitude to intervene in the refurbishment of buildings and the restoration and preservation of the built heritage.  
FE-06. FE-6 Knowledge of the historical evolution of the constructive techniques and elements and the structural systems which have led to stylistic forms.

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.

04 COE N2. 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.

**Full-or-part-time:** 11h 30m

Theory classes: 1h 30m

Self study: 10h

## A3 TEST ON THE CULTURE OF THE PERIOD (IN EACH OF THE 2 MODULES OF CONTENT)

### Description:

Realización individual dentro del aula de un test sobre la cultura del periodo y su geografía.

### Specific objectives:

Fijar el vocabulario específico y saber encajar la producción arquitectónica y constructiva en el espacio geográfico y en el tiempo histórico.

### Material:

The basic bibliography and eventually the complementary bibliography.

### Delivery:

This test, which will be given back corrected, will integrate the student's file folder and worths the 6% of the continuous assessment of the course.

### Related competencies :

FE-06. FE-6 Knowledge of the historical evolution of the constructive techniques and elements and the structural systems which have led to stylistic forms.

**Full-or-part-time:** 1h 30m

Theory classes: 0h 30m

Self study: 1h

#### A4 VISIT TO THE ARCHITECTURE OF BARCELONA WITH THE TEACHER (IN 2 MODULES)

**Description:**

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

**Specific objectives:**

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

**Material:**

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

**Delivery:**

There won't be any delivery.

**Related competencies :**

FE-10. FE-10 Aptitude to intervene in the refurbishment of buildings and the restoration and preservation of the built heritage.

FE-06. FE-6 Knowledge of the historical evolution of the constructive techniques and elements and the structural systems which have led to stylistic forms.

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.

**Full-or-part-time:** 3h

Guided activities: 3h

## GRADING SYSTEM

**Continuous assessment:**

Para aprobar la asignatura es obligatorio aprobar por separado los dos módulos que la componen (nota 2,5 sobre 5), aunque se promediará si uno de los módulos tiene nota 2 o superior. En cada uno de los módulos se evaluarán las actividades A1 (22%), A2 (25%) y A3 (3%). La nota final sobre 10 se obtendrá de la suma 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).

**Reevaluación:**

Para poder optar a la reevaluación el/la estudiante debe haber sido evaluado de la asignatura como suspendido (S) con una nota mínima de 3,5. En ningún caso se permitirá presentarse a la reevaluación 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 el alumnado podrá optar evaluarse de un módulo o del temario completo del curso.

## EXAMINATION RULES.

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

## BIBLIOGRAPHY

**Basic:**

- Curtis, William J. R; Sáinz Avia, Jorge. La Arquitectura moderna desde 1900. 3a ed. London ; New York: Phaidon Press, cop. 2006. ISBN 9780714898506.
- Kostof, Spiro. Historia de la arquitectura. Vols. I, II, III. Madrid: Alianza Editorial, 1988.
- Mambriani, C. ; Rosell, J. ; Tacca, A. Arquitectura, construcció i ciutat en la història d'Occident: 1 El món antic [on line]. Tremp: Garsineu edicions, 1998 [Consultation: 19/07/2010]. Available on: <http://hdl.handle.net/2117/1589>.
- Mambriani, C. ; Rosell, J. ; Tacca, A. Arquitectura, construcció i ciutat en la història d'Occident: 2 El món medieval [on line]. Tremp: Garsineu edicions, 1998 Available on: <http://hdl.handle.net/2117/1678>.
- Rosell, Jaume. Arquitectura, construcció i ciutat en l'occident industrial. Barcelona: EPSEB, 2002.



#### Complementary:

- Addis, William. Building : 3000 years of design engineering and construction. London: Phaidon, 2007. ISBN 9780714841465.
- Castex, Jean. Renacimiento, barroco y clasicismo : historia de la arquitectura, 1420-1720. Madrid: Akal, 1994.
- Colquhoun, Alan. La Arquitectura moderna : una historia desapasionada. Barcelona: Gustavo Gili, 2005.
- Gombrich, E. H. Breve historia del mundo : el recuerdo nos sirve para proyectar luz sobre el pasado. Barcelona: Península, 2007. ISBN 9788483078013.
- Gombrich, E. H. La Historia del arte. London ; New York: Phaidon, 1997. ISBN 9780714898704.
- Garcia i Espuche, Albert; Guàrdia i Bassols, Manuel. Espai i societat a la Barcelona pre-industrial. Barcelona: Edicions de la Magrana: Institut Municipal d'Història. Ajuntament de Barcelona, 1986. ISBN 8474102197.

#### RESOURCES

---

#### Hyperlink:

- Carta Històrica de Barcelona .  
<http://ajuntament.barcelona.cat/museuhistoria/cartahistorica/#map=14/242185/5070759/2010/0/0/0/0>- Portal d'informació urbanística BCN. <https://ajuntament.barcelona.cat/informaciourbanistica/cerca/en/>