



Universitat de Lleida

DEGREE CURRICULUM **CONSTRUCTION HISTORY**

Academic year 2015-16

Subject's general information

Subject name	Construction History
Code	101414
Semester	2nd
Typology	Compulsory
ECTS credits	6
Theoretical credits	0
Practical credits	0
Office and hour of attention	contact by email
Department	Department of Agricultural and Forest Engineering
Modality	Presencial
Important information on data processing	Consult this link for more information.
Language	Spanish
Degree	Degree in Architectural Technology
Office and hour of attention	contact by email
E-mail addresses	afer@eagrof.udl.cat

Subject's extra information

It's strongly recommended to check regularly the information given in 'Campus Virtual'

Learning objectives

- Knowledge of the architecture throughout the History.
- Knowledge of the historical and social context in which buildings were built.
- Knowledge of the structural typologies used throughout the History.
- Knowledge of building materials used throughout the History.
- Ability to identify styles, typologies and materials in a given building.
- Knowledge of the History of the Architecture in our closer area

Competences

University of Lleida strategic competences

- Master Information and Communication Technologies.

Degree-specific competences

- Knowledge of the historical evolution of construction techniques and elements and of the structural systems which have given rise to the stylistic forms.
- Aptitude to identify the constructive elements and systems, define their function and compatibility, and their use in the construction process. Raise and resolve constructive details.
- Knowledge of the specific procedures for controlling the material execution of a building work.
- Knowledge of the evaluation of the environmental impact of the building and demolition processes, of the sustainability in building and of the procedures and techniques to evaluate the energy efficiency of buildings.
- Knowledge of the traditional or prefabricated construction systems used in building, their varieties and the physical and mechanical characteristics which define them.
- Ability to elaborate manuals and maintenance plans and manage their implementation in a building.
- Ability to apportion construction materials to the type and use of the building, manage and direct the reception and quality control of the materials, their use, the execution control of the work units and the realisation of trials and final tests.
- Ability to pass judgement on the causes and manifestations of the lesions in buildings, propose solutions to avoid or repair pathologies, and analyse the useful life cycle of constructive elements and systems.
- Aptitude to intervene in the rehabilitation of buildings and in the restoration and construction of the existing heritage.

Degree-transversal competences

- Ability to reunite and interpret relevant data, inside an area of study, to express reasons which include reflecting upon relevant subjects of a social, scientific or ethical nature.
- Ability to plan and organise the personal work.
- Ability to consider the socio-economical context as well as the criteria of sustainability in the solutions of engineering.
- Ability to work in situations where information is lacking or you are under pressure.

Subject contents

- 1.-INTRODUCTION
- 2.-THE ARCHITECTURE DURING PREHISTORY
- 3.-THE ARCHITECTURE IN THE EARLY CIVILIZATIONS IN MIDDLE EAST
- 4.-THE ARCHITECTURE IN ANCIENT EGYPT
- 5.-THE ARCHITECTURE IN PRE-HELLENIC CIVILIZATIONS AND ANCIENT GREECE
- 6.-THE ARCHITECTURE IN ROME
- 7.-PALEOCHRISTIAN AND BYZANTINE ARCHITECTURE
- 8.-VISIGOTHS' ARCHITECTURE
- 9.-ISLAMIC ARCHITECTURE
- 10.-ROMANESQUE ARCHITECTURE
- 11.-GOTHIC ARCHITECTURE
- 12.-THE ARCHITECTURE DURING RENAISSANCE AND BAROQUE PERIODS
- 13.-NEOCLASSICAL ARCHITECTURE
- 14.-THE ARCHITECTURE IN THE INDUSTRIAL SOCIETIES
- 15.-THE ARCHITECTURE IN THE PRESENT WORLD

Methodology

- Lecture
- Questions for the students
- Activities
- Visits to significant architectural works in the history of Lleida and surroundings

Development plan

Work in class

- every week, students will have some document (chapter of book, paper, piece of news, video, etc.) to work with it at home and we'll review it in class

Visits (dates will be announced):

- Iberian settlement, Els Vilars, Arbeca
- Seu Vella
- La Llotja

Essay (dates could suffer little changes that will be announced)

- Part1: 26-02-2016
- Part 2: 01-04-2016
- Part 3: 27-05-2016

Exams (according to official calendar provided by EPS):

- Exam 1 (11-04-2016): themes 1 to 8
- Exam 2 (08-06-2016): themes 9 to 15

Evaluation

- Exam 1: 30%
- Exam 2: 30%
- Essay about a singular building: 25%
- Classwork: 15%
- Pass criteria: average mark equal or higher than 5.0 and individual marks equal or higher than 4.0

REMARKS

Exams consist of short questions and short essays about some pictures of buildings

For exams, students are allowed to use written or printed documentation (on paper)

The essay about a singular building will be made in groups of two or three students (specific instructions will be given).

The essay will be submitted in .pdf format and every group will present it in a public presentation. Attending these presentations is mandatory for every students. Students failing in doing so will get a mark of 0 (zero) in the essay.

Academic essays and exams should be written in a formal style. Serious mistakes on this point will affect marks.

Bibliography

REFERENCES

Castro Villalba A. 1999. *Historia de la construcción arquitectónica*. 2ª ed. Barcelona: Edicions UPC.

Ching, F., Jarzombek, M., & Prakash, V. (2011). *A Global history of architecture* (Vol. 2, p. 848). Hoboken, New Jersey: John Wiley.

Fullana M. 1995. *Diccionari de l'art i dels oficis de la construcció*. Palma de Mallorca: Moll.

Història de Lleida. 2003. 9 vol. Lleida: Pagès editors.

Kostof, S. (1985). *A History of Architecture*. New York; London: Oxford University Press.

Risebero, B. (2011). *The Story of western architecture*. London: Herbert.