



Course guides

290624 - URBAlI14 - City and Residential Project

Last modified: 06/10/2020

Unit in charge: Vallès School of Architecture
Teaching unit: 740 - UOT - Department of Urbanism and Regional Planning.
Degree: DEGREE IN ARCHITECTURE STUDIES (Syllabus 2014). (Compulsory subject).
Academic year: 2020 **ECTS Credits:** 5.0 **Languages:** Catalan, Spanish

LECTURER

Coordinating lecturer: JOAN MORENO SANZ

Others:

Primer quadrimestre:
MARIA ISABEL CASTIÑEIRA PALOU - 1
JOAN MORENO SANZ - 1

Segon quadrimestre:
MARIA ISABEL CASTIÑEIRA PALOU - 1
INÉS AQUILUÉ - 1

DEGREE COMPETENCES TO WHICH THE SUBJECT CONTRIBUTES

Specific:

EAB6G. Adequate knowledge of graphic surveying techniques at all stages, from sketching to scientific restitution, applied to architecture and urbanism.
EP1G. An aptitude for removing architectural barriers (T).
EP5G. The ability to conceive, execute and develop urban design (T).
EP7G. The ability to design functional programmes for buildings and urban spaces (T).
EP13G. The ability to apply urban design regulations and ordinances (T).
EP18G. Adequate knowledge of methods for studying social needs, quality of life, habitability and basic housing programmes.
EP20G. Adequate knowledge of architectural, urban planning and landscaping traditions in Western culture, as well as their technical, climatic, economic, social and ideological foundations.

Generical:

CG3G. Knowledge of urbanism and the techniques that are applied in the planning process.
CG7G. An understanding of the relationship between people and buildings, and between buildings and their environment, and the necessity of relating buildings to the spaces between them in view of needs and human scale.
CG1G. Knowledge of the history of architecture and architectural theories, as well as the arts, technological and human sciences associated with architecture.

TEACHING METHODOLOGY

LEARNING OBJECTIVES OF THE SUBJECT

COMPETENCES

From an adequate knowledge of the architectural, urbanistic and landscape traditions of Western culture, of its technical, climatic, economic, social and ideological foundations, it is able to understand the relationship between housing and city, its parametric expression, articulated understanding towards the capacity to intervene and conserve, restore and rehabilitate the built heritage as well as the practical conception and development of urban projects, and to do so within the framework of the social requirement of conservation of resources and maintenance of the quality of the environment.

LEARNING OBJECTIVES

Knowledge of the evolution of theories and housing projects in the framework of the cultural, technical and social evolution of the city of the 20th and 21st centuries. This evolution must help us to understand the basic principles of the formulation of current housing projects.

Practicing urban analysis through the analysis of housing projects and their relationship with the culture of the moment and the city of reference. The focus is on the interpretation and representation of elements of general structure and those that make up the immediate framework of the housing project: open spaces, accesses, facilities and residential buildings. Understanding the urban housing project as the propitious framework for the development of a community. The objective of the analytical practice is to learn project and representation techniques.

To try basic urban tools applied to the pre-definition of residential projects: basic parameters and ordinances.

Reflect on the environmental implications through the knowledge of examples, techniques and applications to guarantee sustainability in the residential project.

Use of the appropriate vocabulary, both in written exercises and in oral presentations.

STUDY LOAD

Type	Hours	Percentage
Hours medium group	27,5	22.00
Self study	70,0	56.00
Hours large group	27,5	22.00

Total learning time: 125 h

CONTENTS

CITY & HOUSING

Description:

The development of the course is divided into three large theoretical and practical packs.

1- Focused on the theories and urban and territorial methods of the early twentieth century, particularly the "Garden City" and low-density projects, we will follow their evolution and implications in the formation of the city and the urban systems of 20th-century cities.

On a practical level, the analytical part of the exercise will be developed, where the main objective is the knowledge of the territorial and urban framework of a concrete residential project and to analyze its environmental and parametric components.

2- Focused on the theories of "CIAM" we will follow its evolution as projects and in its influence on the formation and transformation of cities.

Here the practice focuses on the definition of urban planning instruments, in particular the layout and the ordinance.

3- Temporarily focused on residential projects from the late twentieth century and early twenty-first century to today, we will analyze recent residential projects, where conditions of environmental sustainability take center stage.

As a conclusion of the course, the last exercise consists of a proposal of ordination with application of parameters and ordinances previously defined by the students themselves.

Specific objectives:

_ Knowledge of the western cultural framework in which residential projects are developed.

_ Practice in urban analysis and its representation

_ Development of the critical sense

_ Practice in individual and group work

_ Practice in the oral presentation of ideas and proposals, interaction and defense of one's own ideas.

_ Knowledge of basic urban parameters and their involvement in the project

_ Initiation to the practice of residential space projects.

Related competencies :

CG7G. An understanding of the relationship between people and buildings, and between buildings and their environment, and the necessity of relating buildings to the spaces between them in view of needs and human scale.

CG3G. Knowledge of urbanism and the techniques that are applied in the planning process.

EP13G. The ability to apply urban design regulations and ordinances (T).

EP1G. An aptitude for removing architectural barriers (T).

EP7G. The ability to design functional programmes for buildings and urban spaces (T).

EP5G. The ability to conceive, execute and develop urban design (T).

EP18G. Adequate knowledge of methods for studying social needs, quality of life, habitability and basic housing programmes.

EP20G. Adequate knowledge of architectural, urban planning and landscaping traditions in Western culture, as well as their technical, climatic, economic, social and ideological foundations.

Full-or-part-time: 55h

Theory classes: 27h 30m

Practical classes: 27h 30m

GRADING SYSTEM

First exercise and complementary practices - 40%

Second exercise and complementary practices - 60%

The complementary practices include exercises developed in class, works or theoretical exams and oral presentation.



BIBLIOGRAPHY

Basic:

- Hall, Peter. Ciudades del mañana : historia del urbanismo en el siglo XX. Barcelona: Ediciones del Serbal, 1996. ISBN 8476281900.
- Sennett, Richard. L'Espai públic : un sistema obert, un procés inacabat. Barcelona: Arcàdia, 2014. ISBN 9788494232718.
- Sherwood, Roger. Vivienda: prototipos del movimiento moderno. Barcelona: Gustavo Gili, 1983. ISBN 8425211352.
- Kirschenmann, Jörg C; Muschalek, Christian. Diseño de barrios residenciales : remodelación y crecimiento de la ciudad. Barcelona: Gustavo Gili, 1980. ISBN 8425209692.
- Martí Arís, Carlos; Alegre, Luis. Las Formas de la residencia en la ciudad moderna : vivienda y ciudad en la Europa de entreguerras. Barcelona: Servicio de Publicaciones de la UPC, DL 1991. ISBN 8476531044.
- Benevolo, Leonardo; Melograni, Carlo; Giura Longo, Tommaso. La Proyectación de la ciudad moderna. 3ª ed. Barcelona: Gustavo Gili, 2000. ISBN 8425218381.
- AAVV. Housing in Europa. Bologna: L. Parma, 1978.
- Panerai, Philippe R; Castex, Jean; Depaule, Jean-Charles. Formas urbanas : de la manzana al bloque. [Ed. revisada y adaptada por Philippe Panerai]. Barcelona [etc.]: Gustavo Gili, 1986. ISBN 84-252-1291-X.