

## Course guide

### 290624 - URBAlI14 - City and Residential Project

Last modified: 05/07/2024

**Unit in charge:** Vallès School of Architecture  
**Teaching unit:** 740 - DUTP - Department of Urbanism, Territory and Landscape.

**Degree:** DEGREE IN ARCHITECTURE STUDIES (Syllabus 2014). (Compulsory subject).

**Academic year:** 2024    **ECTS Credits:** 5.0    **Languages:** Catalan, Spanish

#### LECTURER

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**Coordinating lecturer:** Kathrin Golda-Pongratz

**Others:** Xavier Matilla

#### DEGREE COMPETENCES TO WHICH THE SUBJECT CONTRIBUTES

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**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.

**General:**

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.

**Transversal:**

CT2. SUSTAINABILITY AND SOCIAL COMMITMENT: To understand the complexity of economic and social phenomena of welfare societies; to be able to relate wellbeing with globalization and sustainability; to achieve skills for a balanced and compatible use of technology, economy and sustainability.

#### TEACHING METHODOLOGY

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#### LEARNING OBJECTIVES OF THE SUBJECT

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## 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:

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#### Related competencies :

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

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

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

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

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

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

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.

#### Full-or-part-time: 55h

Theory classes: 27h 30m

Practical classes: 27h 30m

## GRADING SYSTEM

## BIBLIOGRAPHY

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### Basic:

- 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. 2a. Barcelona: Edicions UPC, 2000. ISBN 8483013835.
- Benevolo, Leonardo; Melograni, Carlo; Giura Longo, Tommaso. La Proyección de la ciudad moderna. 3a. Barcelona: Gustavo Gili, 2000. ISBN 8425218381.
- Carini, A. Housing in Europa. Bologna: L. Parma, 1978.
- Panerai, Philippe R. Formas urbanas : de la manzana al bloque. Barcelona: Gustavo Gili, 1986. ISBN 842521291X.
- 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. Modern housing prototypes. Londres: Harvard University Press, 1978.
- The Vienna model 2 : housing for the twenty-first-century city [on line]. Berlin: Jovis Verlag, 2019 [Consultation: 18/09/2024]. Available on : [https://discovery.upc.edu/view/action/uresolver.do?operation=resolveService&package\\_service\\_id=11098416860006711&institutionId=6711&customerId=6705&VE=true](https://discovery.upc.edu/view/action/uresolver.do?operation=resolveService&package_service_id=11098416860006711&institutionId=6711&customerId=6705&VE=true). ISBN 9783868595765.