

Course guide

310647 - 310647 - Urbanism and Regional Planning

Last modified: 02/02/2026

Unit in charge: Barcelona School of Building Construction
Teaching unit: 751 - DECA - Department of Civil and Environmental Engineering.

Degree: BACHELOR'S DEGREE IN GEOINFORMATION AND GEOMATICS ENGINEERING (Syllabus 2016).
(Compulsory subject).

Academic year: 2025 **ECTS Credits:** 4.5 **Languages:** Catalan

LECTURER

Coordinating lecturer: Mercadé Aloy, Josep
Others: Taberna Torres, Mercè

TEACHING METHODOLOGY

The course includes theoretical classes in which the teaching staff present the basic concepts and materials of the subject, provide examples, and carry out exercises.

Students are given activities to be completed independently based on the content covered in the theoretical sessions. Students also give oral presentations in class on the activities carried out.

Support materials are provided through the ATENEA virtual campus, including course contents, scheduling of assessment and guided learning activities, and bibliography.

LEARNING OBJECTIVES OF THE SUBJECT

The course aims to provide students with an understanding of the different models of land use and territorial management within the current legislative framework, as well as their potential professional application in the most relevant fields of urban and spatial planning.

STUDY LOAD

Type	Hours	Percentage
Hours large group	18,0	16.00
Hours medium group	27,0	24.00
Self study	67,5	60.00

Total learning time: 112.5 h

CONTENTS

CONTENT

Description:

/Introductory Principles of Urbanism

- Presentation of the course
- Basic concepts
- The image of the city
- Evolution of models of land occupation and territorial transformation

/Legal and regulatory framework

- Types of regulations
- Distribution of competences
- Current legal and regulatory framework in Catalonia
- Principles of urban planning legislation

/Territorial planning

- The General Territorial Plan of Catalonia
- Partial Territorial Plans
- Sectoral Territorial Plans

/Basic concepts of urbanism

- General urban division into zones and systems
- Land classification according to the legal regime
- Urban zoning
- Types of building regulation

/Urban planning

- Municipal Urban Development Plans
- Derived Urban Plans
- Urban Master Plans

/Urban management

- Implementation of urban planning
- Urban development management systems
- Concepts of urban management
- Compulsory expropriation

/Mobility

- Assessment of mobility generated by different land uses
- Network of main pedestrian routes
- Network of surface public and collective transport routes
- Network of bicycle routes
- Assessment of mobility generated by singular developments

/Territorial systems

- Concept of territorial system
- Types of territorial systems
- Urban growth and territorial systems
- Infrastructure (road network, railway network, ports, airports)
- Technical services

/Urban services and urbanisation project

- Urban service networks
- Deployment and layout within the urban space
- The urbanisation project

/Urban planning, environment and sustainable development

- Urban planning and the environment



· Urban planning and sustainable development

/Alternative energies in territorial planning

Full-or-part-time: 112h 30m

Theory classes: 18h

Practical classes: 27h

Self study : 67h 30m

GRADING SYSTEM

The final grade of the course, provided that a minimum class attendance of 80% is met, will be composed of: 20% corresponding to the average of the exercises completed in class, 25% for Practice A, 25% for Practice B, and 30% for the oral presentation.

If the minimum required attendance (80%) is not met, students will be required to take a final exam. In this case, the final grade will be composed of: 15% from the average of the exercises completed in class, 20% from the average grade of Practices A and B, 15% from the oral presentation, and 50% from the final exam.

BIBLIOGRAPHY

Basic:

- Esteban i Noguera, Juli. L'Ordenació urbanística : conceptes, eines i pràctiques. ISBN ISBN 978-84-9117-762-3.
- Esteban i Noguera, Juli. Urbanismo . Barcelona : Tibidabo Ediciones, septiembre de 2018. ISBN 978-84-9117-762-3.

RESOURCES

Other resources:

Decret legislatiu 1/2010, de 3 d'agost, pel qual s'aprova el Text refós de la Llei d'urbanisme.

Llei 3/2012, del 22 de febrer, de modificació del text refós de la Llei d'urbanisme, aprovat pel Decret legislatiu 1/2010, del 3 d'agost.

Decret 64/2014, de 13 de maig, pel qual s'aprova el Reglament sobre protecció de la legalitat urbanística.

Decret 278/1993, de 9 de novembre, sobre el procediment sancionador d'aplicació als àmbits de competència de la Generalitat.

Decret legislatiu 2/2003, de 28 d'abril, pel qual s'aprova el Text refós de la Llei municipal i de règim local de Catalunya.

Decret 179/1995, de 13 de juny, pel qual s'aprova el Reglament d'obres, activitats o serveis dels ens locals (ROAS).

Llei 26/2010, del 3 d'agost, de règim jurídic i de procediment de les administracions públiques de Catalunya.