

Course guide

310630 - 310630 - Urbanism and Regional Planning

Last modified: 11/01/2024

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: 2023 **ECTS Credits:** 6.0 **Languages:** Catalan, Spanish

LECTURER

Coordinating lecturer: Verges Fernandez, Robert

Others: Rodriguez Aranda, Daniel
Roca Bosch, Elisabeth
Verges Fernandez, Robert

DEGREE COMPETENCES TO WHICH THE SUBJECT CONTRIBUTES

Specific:

1. Aptitude and capacity to develop analysis and territorial planning and territorial sustainability in the work with interdisciplinary teams.

Transversal:

3. SELF-DIRECTED LEARNING - Level 2: Completing set tasks based on the guidelines set by lecturers. Devoting the time needed to complete each task, including personal contributions and expanding on the recommended information sources.

4. EFFICIENT ORAL AND WRITTEN COMMUNICATION - Level 3. Communicating clearly and efficiently in oral and written presentations. Adapting to audiences and communication aims by using suitable strategies and means.

5. ENTREPRENEURSHIP AND INNOVATION - Level 3. Using knowledge and strategic skills to set up and manage projects. Applying systemic solutions to complex problems. Devising and managing innovation in organizations.

6. SUSTAINABILITY AND SOCIAL COMMITMENT - Level 1. Analyzing the world's situation critically and systemically, while taking an interdisciplinary approach to sustainability and adhering to the principles of sustainable human development. Recognizing the social and environmental implications of a particular professional activity.

7. SUSTAINABILITY AND SOCIAL COMMITMENT - Level 3. Taking social, economic and environmental factors into account in the application of solutions. Undertaking projects that tie in with human development and sustainability.

8. TEAMWORK - Level 3. Managing and making work groups effective. Resolving possible conflicts, valuing working with others, assessing the effectiveness of a team and presenting the final results.

TEACHING METHODOLOGY

Theoretical classes
Expositive participatory class
Practices
Teamwork
Autonomous work

LEARNING OBJECTIVES OF THE SUBJECT

The student is trained to comprehend the different occupation models and management of the territory in the current legislative framework, also with its possible professional exit in the most relevant environments of urbanism and territory ordenation.



STUDY LOAD

Type	Hours	Percentage
Hours medium group	36,0	24.00
Self study	90,0	60.00
Hours large group	24,0	16.00

Total learning time: 150 h

CONTENTS

Introductory principles about Urbanism

Description:

- Presentation of the subject
 - Basic concepts
 - The image of the city
 - Evolution of the occupation models and transformation of the territory
- Legal and regulatory framework

Full-or-part-time: 6h

Theory classes: 6h

Legal and regulatory framework

Description:

- Types of rules
- Competence distribution
- Legal and regulatory framework current in Catalonia
- Principles of urban planning legislation

Full-or-part-time: 2h

Theory classes: 2h

Territorial planning

Description:

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

Full-or-part-time: 14h

Theory classes: 2h

Practical classes: 2h

Self study : 10h

Town planning basic concepts

Description:

- General urban division in zones and systems
- Land classification according to legal regime
- Urban qualification
- Types of building regulation

Full-or-part-time: 14h

Theory classes: 4h

Self study : 10h

Urban planning

Description:

- Municipal Urban Ordenation Plans
- Derivated Urban Plans
- Urban Director Plans

Full-or-part-time: 16h

Theory classes: 3h

Practical classes: 3h

Self study : 10h

Urban management

Description:

- Execution of urban planning
- Urban action systems
- Urban management concepts
- Forced expropriation

Full-or-part-time: 19h

Theory classes: 4h

Practical classes: 2h

Guided activities: 3h

Self study : 10h

Mobility

Description:

- Evaluation of the mobility generated by the different uses
- Pedestrians main itineraries network
- Public and collective surface transport itineraries network
- Bicycle itineraries network
- Evaluation of the mobility generated by singular implantations

Full-or-part-time: 4h

Practical classes: 4h

Territorial systems

Description:

- Concept of territorial system
- Types of territorial systems
- The urban growth and the territorial systems
- The infrastructures (roads, railways, ports, airports)
- Technical services

Full-or-part-time: 14h

Theory classes: 4h

Self study : 10h

Urban services and urbanization project

Description:

- Network of urban services

Basic technological conditions for the operation of each urban service (mobility, sewage system, drinking water, streetlight, gas and telecommunications)

- Unfolding and disposition in the urban space

Unfolding structure and functional element disposition of each network of urban services.

- The urbanization project

Full-or-part-time: 14h

Theory classes: 2h

Practical classes: 2h

Self study : 10h

Urbanistic planning, environment and sustainable development

Description:

- Urbanistic planning and environment

Environmental evaluation of the Urbanistic planning

Environmental sustainability reports ISA

Studies of landscape integration and environmental impact

- Urbanistic planning and sustainable development

Sustainable urban implantations

The alternative energies in the territory planning

Full-or-part-time: 14h

Theory classes: 4h

Self study : 10h

ACTIVITIES

ACTIVITY A

Description:

A) The student chooses a town and a buildable parcel to determine its urban qualification:

- a1.- Consultation of the Partial Territorial Plan corresponding to the chosen municipality.
- a2.- Consultation of protected natural areas.
- a3.- Consultation of the urban qualification of the plot chosen in the Municipal Urban Planning Plan.

Full-or-part-time: 4h

Self study: 4h

GRADING SYSTEM

50% Exams - 50% Activities

Exam 1 (According to midterm exams calendar)

Oral defense of activities and final delivery (Last day of the course)

Exam 2 (According to final exams calendar)

BIBLIOGRAPHY

Basic:

- Esteban i Noguera, Juli. L'Ordenació urbanística : conceptes, eines i pràctiques [on line]. 2a ed. [Barcelona]: Diputació Barcelona, 2007 [Consultation: 06/05/2020]. Available on: https://www.diba.cat/c/document_library/get_file?uuid=3f805373-7155-4064-89b7-5dc3efff2b89&groupId=7294824. ISBN 978-84-9803-257-4.
- Guia bàsica sobre l'avaluació ambiental del planejament urbanístic a Catalunya 07 [on line]. Barcelona: Generalitat de Catalunya Departament de medi Ambient, 2007 [Consultation: 06/05/2020]. Available on: http://www.gencat.cat/mediamb/publicacions/monografies/guia_basica_aval_ambient_07.pdf.
- Esteban i Noguera, Juli. Urbanismo : una inmersión rápida. Barcelona: Tibidabo Ediciones, [2018]. ISBN 978-84-9117-762-3.

RESOURCES

Other resources:

- Law 23/1983, of November 21, on territorial policy.
- Law 3/2012, of February 22, modifying the revised text of the Urban Planning Law, approved by Legislative Decree 1/2010, of August 3.
- Decree 305/2006, of July 18, approving the Regulations of the Urban Planning Law.
- Decree 64/2014, of May 13, approving the Regulation on the protection of urban legality.
- Decree 344/2006, of September 19, regulating the studies of the evaluation of the generated mobility.