



Course guide

290718 - TERRIC - Territory and City

Last modified: 31/07/2023

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

Degree: MASTER'S DEGREE IN ARCHITECTURE (Syllabus 2015). (Optional subject).

Academic year: 2023 **ECTS Credits:** 5.0 **Languages:** Catalan, Spanish

LECTURER

Coordinating lecturer: Madalen González Bereziartua

Others:

DEGREE COMPETENCES TO WHICH THE SUBJECT CONTRIBUTES

Specific:

EP31M. (ENG) Aptitud per concebre, practicar i desenvolupar projectes urbans.
EP33M. (ENG) Aptitud per elaborar programes funcionals d'edificis i espais urbans
EP34M. (ENG) Aptitud per intervenir en, conservar, restaurar i rehabilitar el patrimoni construït.
EP36M. (ENG) Capacitat per redactar i gestionar plans urbanístics a calsevol escala.
EPFCM. (ENG) Ser capaç d'elaborar, presentar i defensar, un cop obtinguts tots els crèdits de grau i màster, d'un exercici original realitzat de manera individual, davant d'un tribunal universitari on s'haurà d'incloure almenys un professional de reconegut prestigi proposat per les organitzacions professionals. L'exercici consistirà en un projecte integral d'arquitectura de naturalesa professional on se sintetitzin totes les competències adquirides a la carrera, desenvolupat fins al punt de demostrar suficiència per determinar la completa execució de les obres d'edificació sobre les que tracti, complint la reglamentació tècnica i administrativa d'aplicació.

General:

CG9M. (ENG) Crear proyectos arquitectónicos que satisfagan a la vez las exigencias estéticas y técnicas, y los requisitos de sus usuarios, respetando los límites impuestos por los factores presupuestarios y la normativa sobre construcción.
CE1. An aptitude for creating architectural projects that meet both aesthetic and technical demands.
CE2. Adequate knowledge of the history of architecture and architectural theories, as well as the arts, technological and human sciences associated with architecture.
CE4. Adequate knowledge of urbanism, planning and the techniques that are applied in the planning process
CE5. The ability to understand 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.
CE7. Knowledge of the methods for research and preparation of construction projects.

Basic:

CB6. Students will gain and understand knowledge which may be further developed or applied in a research environment.
CB8. Students will be able to integrate knowledge and deal with decision-making complexity that, even in cases of incomplete or limited information, ought to reflect on social and ethical outcomes.
CB9. Students will earn skills in clear and non-ambiguous communication of their conclusions, as well as the knowledge and reasoning sustaining them, to expert and non-expert audiences.
CB10. Students will build a capacity for self-driven and autonomous learning that may empower them in further studies or education.



TEACHING METHODOLOGY

Workshop: An important part of the work will be developed in class hours, one part in small groups (developing a specific topic) and another part by the whole class, in which all students participate in the work of small groups in order to draw joint conclusions.

Introduction to GIS tool (Geographic Information System).

Reading, debate and criticism of texts and projects.

LEARNING OBJECTIVES OF THE SUBJECT

The main objective of the subject is to provide an urban basis for the projects that take place in the Master workshop, through the analysis of the territorial or urban framework in which the city is established, the immediate environment (municipality), the city-territory relations and the current structure and characteristics, as well as the landscape, economic, social and cultural features that define it, in order to make a diagnosis and define planning objectives and strategies.

This course also aims to introduce the student into the possibilities offered the GIS (Geographic Information Systems) tool, so that it can be applied both in this subject and in the main work to be developed in the Master's Degree.

These objectives, defined in the syllabus of the subject and the general workshop, will be contrasted with the current urban and territorial planning at various scales, to determine the need for modifications or changes in current planning, in order to develop the proposed projects.

Throughout this process, tools will be tested for reading and interpreting the territory and the city, as well as planning at various scales –territorial, urban and development plans–, including the GIS tool.

With this subject the student will become familiar with instruments of analysis and design in urban scale and will be able to understand (apply or propose) the various planning scales.

CONTENTS

Territory and city. Introduction to GIS

Description:

- Analysis and diagnosis of territory and city (regional, municipal and urban), from its physical, urban and legal reality.
- Introduction to GIS (Geographic Information Systems) tools and their application in territorial and urban analysis.
- Definition of objectives and intervention strategies.
- Reading and interpreting current planning on several scales. Legal foundations of planning.
- Formulation of intervention proposals through the development or modification of current planning.

Specific objectives:

Acquire the ability to understand, interpret and develop the urban contents of a project with the instruments of the urban planning discipline.

Related activities:

Project workshop - Field work - Cartographic interpretation

Full-or-part-time: 3h

Laboratory classes: 3h



GRADING SYSTEM

Attendance, participation, specific exercises and classroom work. Practical exercise to be developed throughout the course.

Planned evaluation acts:

- Territorial scale recognition (25%)
- Urban scale recognition (25%)
- Final delivery, with an evaluation of how the proposal fits in the current urban planning and a proposal to adapt it.
- Assessment of learning, attendance and participation (10%).

EXAMINATION RULES.

Continuous evaluation. Includes: Attendance and compulsory participation; Participation in group work; Exercises and documents developed during the course.

RESOURCES

Hyperlink:

- Portal d'Informació Urbanística de Barcelona. <https://ajuntament.barcelona.cat/informaciourbanistica/cerca/en/>- Generalitat de Catalunya. Plans. https://territori.gencat.cat/es/01_departament/05_plans/index.html- Serveis web geogràfics, Departament de Territori i Sostenibilitat, Generalitat de Catalunya. https://territori.gencat.cat/es/01_departament/12_cartografia_i_toponimia/serveis_web_geografics/index.html- RPUC. Registre de Planejament Urbanístic de Catalunya. <https://dtes.gencat.cat/rpucportal/inici/es/index.html>- Sede electrònica del Catastro. <https://www.sedecatastro.gob.es/>- Àrea Metropolitana de Barcelona. Geoportal de planejament. <https://geoportalplanejament.amb.cat/AppGeoportalPlanejament2/index.html?locale=en>- ICGC: Institut Cartogràfic i Geològic de Catalunya. <http://srv.icgc.cat/appdownloads/>- Àrea Metropolitana de Barcelona (Cartografia). <https://geoportalcartografia.amb.cat/AppGeoportalCartografia2/index.html?locale=en>- MUC. Mapa urbanístic de Catalunya. <http://dtes.gencat.cat/muc-visor/AppJava/home.do>