

Course guide

210915 - C - Cartography

Last modified: 14/12/2023

Unit in charge: Barcelona School of Architecture
Teaching unit: 753 - TA - Department of Architectural Technology.
Degree: MASTER'S DEGREE IN LANDSCAPE ARCHITECTURE (Syllabus 2015). (Compulsory subject).
Academic year: 2023 **ECTS Credits:** 5.0 **Languages:** Catalan, Spanish, English

LECTURER

Coordinating lecturer: IOANNA SPANOU - ALEJANDRO GAUTHIER AMIGO

Others: Primer quadrimestre:
 ALEJANDRO GAUTHIER AMIGO - Grup: 2N1S
 IOANNA SPANOU - Grup: 2N1S

TEACHING METHODOLOGY

The course is oriented mainly practice. It consists of three complementary and related blogs including: workshops, lectures and trips.

Workshop

The practical work will focus on discussion and correction of analysis where the final project will be developed. Different exercises will work with a scheme of a conventional course, with teachers corrections. The workshop consists of 45 teaching hours.

Lectures

There will be presentations of thematic analysis using project examples or real landscape studies, reflecting the different analytical methods used.

Visits

Visits will be made in order to compare theory and practice in situ.

It is requested necessary dedication of the student equivalent of approximately 90 particular working hours.

LEARNING OBJECTIVES OF THE SUBJECT

- The course aims to provide the tools and methods needed to study the area where the proposal is located, meeting the conditions of the site and the project or program that is necessary to implement.
- Activate the graphic and technical skills for cartographic exploration relations landscape on physical, social and perceptual dimensions and to communicate these processes through geospatial data.
- Provide a basic knowledge of the tools and techniques needed to produce, manage and interpret geospatial data

STUDY LOAD

Type	Hours	Percentage
Self study	80,0	64.00
Hours large group	30,0	24.00
Hours small group	15,0	12.00

Total learning time: 125 h

CONTENTS

-

Description:

Theoretical Content

- The Workshop will introduce transversal landscape analysis concepts, as a filter for a look at the analysis and cartographic production, specific to our discipline. These concepts, defined as the structuring vectors for the landscape project, will guide us to the production of interest scale and transversal mapping, combining both scales and looks at the most significant processes for configuring multiple structures, atmospheres, processes and dynamics that "make landscape"
- Students will learn the basics of geospatial processing and gain familiarity with the essential technical tools of GIS for mapping and to produce new forms of knowledge. Desktop publishing tools such as Adobe Photoshop, Illustrator, InDesign will be used to distill ideas into effective graphical presentations.

Practical content:

- On a given area, will be analyzed the elements and / or structural relations landscape by applying the relevant methodology, depending on the type of site.
- Custom maps will elaborate involving decisions to establish patterns of projection.
- Will develop the program of action for the proposed project.

Full-or-part-time: 60h

Theory classes: 45h

Laboratory classes: 15h

GRADING SYSTEM

Continuous telematic evaluation

In online teaching situations, continuous assessment will be carried out synchronously and asynchronously by the means established by the University and the School, with a periodic record of academic activity through submissions, forums, questionnaires or any other means facilitated by the Atenea platform, or the alternatives provided to the teaching staff. In the situations in which this telematic teaching is a product of face-to-face teaching that has already begun, or for questions of extra-academic order, the changes in the weightings or regular control systems of the teaching will be communicated in detail to all students by the Athena of each subject.

Telematic final evaluation

If the continuous telematic evaluation is not positive, a second evaluation can be carried out, which will consist of a final test of a global nature in telematic format that will be established in accordance with the criteria of the professor responsible and the media and ICTs provided by the University or School.

The measures for adaptation to non-classroom teaching will be implemented in accordance with the criteria of ICT security and personal data protection to ensure compliance with the legislation on Personal Data Protection (RGPD and LOPDGDD)

BIBLIOGRAPHY

Basic:

- Cosgrove, D (ed.). Mappings. London: Reaktion Books, 1998. ISBN 9781861890214.
- Kitchin, Rob; Perkins, Chris; Dodge, Martin. "Thinking about maps". Rethinking maps : [new frontiers in cartographic theory]. London ; New York: Routledge, 2009.
- Wood, Denis; Fels, John. The natures of maps : cartographic constructions of the natural world. Chicago: University of Chicago Press, 2009. ISBN 9780226906041.
- Nogué, J.; Sala, P. Prototipus de catàleg de paisatge: bases conceptuals, metodològiques i procedimentals per a l'elaboració dels catàlegs del paisatge de Catalunya [on line]. Olot; Barcelona: Observatori del Paisatge, 2006 [Consultation: 07/10/2020]. Available on: <http://www.catpaisatge.net/fitxers/Prototipus2006.pdf>.
- Thompson, Nato. Experimental geography : Radical approaches to landscape, cartography and urbanism. Melville House, 2008. ISBN 9780091636586.
- Corner, J. "The Agency of Mapping: Speculation, Critique and Invention". he Map reader : theories of mapping practice and cartographic representation. Oxford: Wiley-Blackwell, 2011.
- The Map reader : theories of mapping practice and cartographic representation. Oxford: Wiley-Blackwell, 2011. ISBN 9780470742839.
- McHarg, Ian L. Proyectar con la naturaleza. Barcelona: Gustavo Gili, 2000. ISBN 9788425217838.
- Les Terres de Lleida: catàleg de paisatge. Barcelona: Generalitat de Catalunya. Departament de Política Territorial i Obres Publiques, 2010. ISBN 9788439382973.
- O'Rourke, Karen. Walking and mapping: artists as cartographers. Cambridge, Mass: MIT Press, 2013. ISBN 9780262018500.
- Forman, Richard T. T. Land mosaics: the ecology of landscapes and regions. Cambridge [etc.]: Cambridge University Press, 1995. ISBN 0521479800.

RESOURCES

Hyperlink:

- Intranet Docent. <https://atenea.upc.edu/moodle/>

Other resources:

Go to Spanish Catalan version.