Course guide
210915 - C - Cartography

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: 2022 ECTS Credits: 5.0 Languages: Catalan, Spanish, English

LECTURER
Coordinating lecturer: ANA MARIA ZAHONERO XIFRE
Others: Primer quadrimestre: IOANNA SPANOU - 20 ANA MARIA ZAHONERO XIFRE - 20

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

<table>
<thead>
<tr>
<th>Type</th>
<th>Hours</th>
<th>Percentage</th>
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</thead>
<tbody>
<tr>
<td>Hours large group</td>
<td>30,0</td>
<td>24.00</td>
</tr>
<tr>
<td>Self study</td>
<td>80,0</td>
<td>64.00</td>
</tr>
<tr>
<td>Hours small group</td>
<td>15,0</td>
<td>12.00</td>
</tr>
</tbody>
</table>

Total learning time: 125 h
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 interescale and transversal mapping, combining both scales and looking 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:**

**RESOURCES**

**Hyperlink:**
- Intranet Docent. https://atenea.upc.edu/moodle/

**Other resources:**
Go to Spanish Catalan version.