Course guide
210921 - TE II - Engineering Techniques II

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: 3.0 Languages: Catalan, Spanish, English

LECTURER
Coordinating lecturer: MARIA DEL MAR PÉREZ CAMBRA
Others: Primer quadrimestre: MARIA DEL MAR PÉREZ CAMBRA - 20

TEACHING METHODOLOGY
Go to spanish or catalan version

LEARNING OBJECTIVES OF THE SUBJECT

The aim of the course is to make the student able to develop a landscape project with details and the extent required in the professional practice. The project is equivalent to a part of a professional project and must achieve the level of detail and precision in order to execute the works. On the other hand a written documentation of a landscape project will be developed by the whole group.

The course also establishes criteria and strategies for the supervision and direction of landscape projects involving various techniques to control quality, quantity and time, as well as a careful preparation of written documentation of the project, understood as a contract.

At the end, students must be able to develop a professional landscape project starting from a landscape project on their own. They will also be able to incorporate the tools that allow construction to an own landscape design project to enhance and enrich it while respecting it. Construction is always present under terms of environmental responsibility. It is also aimed to understand the construction project as a design resource goal that will be enriched next semester.

STUDY LOAD

<table>
<thead>
<tr>
<th>Type</th>
<th>Hours</th>
<th>Percentage</th>
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<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>
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</tbody>
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Total learning time: 125 h
LANDSCAPE CONSTRUCTION PROJECT

Description:
Provide the ability and tools to develop a construction project in the professional practice. Add value to the project allowing its construction and enriching it.

Practical content: to be able to work properly with the plans with its technical specifications and scales: from the detail scale to the site scale.

Theoretical content: Tools to develop a construction project and directig it in the construction yard.

- Written documentation of the project:
  1. Memory: descriptive, environmental, urban and constructive.
  2. Impact Study: geological, sociological and biodiversity.
  3. Health and safety at work.
  5. Budget: the budget summaries and previous budget, general prices, general budget.
  6. Conditions document: technical (general and specific) and legal and economical ones.

- The construction yard:
  9. Management :
     -strategies and direction of the outsourcing
     -quality control
     -budget control

Full-or-part-time: 28h
Practical classes: 28h
GRADING SYSTEM

Continuous evaluation of the individual and group works.

Continuous assessment:
Continuous assessment will be carried out on the basis of the work to develop by the student during the course through the delivery of jobs or the realization of written or/and oral tests, according to the criteria and timetable to be established.

Final assessment:
If the results of the continuous assessment are not positive, it will be possible to perform a second evaluation which will consist in a global final test that can consist in a written or oral exam or the delivery of jobs, in accordance with the criterion of the responsible teachers.

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:
- Paisea: revista de paisajismo = landscape architecture review. Valencia: Paisea revista, 2007-.
- Condicions tècniques de ... partides d’obra d’edificació: Condi Po Edi . Barcelona: ITEC, 1987-.
RESOURCES

Hyperlink:
- Intranet docent.. http://atenea.upc.edu/moodle/

Other resources:
Go to Spanish or Catalan version.