Course guides
250724 - 250724 - Construction Seminars

Unit in charge: Barcelona School of Civil Engineering
Teaching unit: 751 - DECA - Department of Civil and Environmental Engineering.
Degree: MASTER'S DEGREE IN STRUCTURAL AND CONSTRUCTION ENGINEERING (Syllabus 2015). (Optional subject).
Academic year: 2020 ECTS Credits: 2.5 Languages: Spanish

LECTURER
Coordinating lecturer: GONZALO RAMOS SCHNEIDER
Others: ALBERTO DE LA FUENTE ANTEQUERA, GONZALO RAMOS SCHNEIDER, IGNACIO VALERO LOPEZ

DEGREE COMPETENCES TO WHICH THE SUBJECT CONTRIBUTES

Specific:
13365. Designing and building using traditional materials (reinforced concrete, prestressed concrete, structural steel, masonry, wood) and new materials (composites, stainless steel, aluminum, shape memory alloys?).
13367. To apply innovative and sustainable technological aspects in the management and implementation of projects and works.
13370. To analyze the multiple technical and legal conditions arising in the construction of public works, and use proven methods and proven technologies with the aim of achieving greater efficiency in construction while respecting the environment and protecting the safety and health of workers and users of public works.

General:
13361. To develop, improve and use conventional materials and new construction techniques to ensure the safety requirements, functionality, durability and sustainability.
13362. To define construction processes and methods of organization and management of projects and works.
13363. To design plans for safety, quality and environmental and socioeconomic impacts related to the construction process.

TEACHING METHODOLOGY

The course consists of 11 seminars of 2 hours.
Support material in virtual campus ATENEA

LEARNING OBJECTIVES OF THE SUBJECT

Subject to acquire knowledge on trends in recent research related to construction

'Ability to acquire knowledge in the more advanced aspects of research on construction

Recent research progress on construction
STUDY LOAD

<table>
<thead>
<tr>
<th>Type</th>
<th>Hours</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Guided activities</td>
<td>0.8</td>
<td>1.28</td>
</tr>
<tr>
<td>Self study</td>
<td>40.0</td>
<td>64.10</td>
</tr>
<tr>
<td>Practical classes</td>
<td>5.4</td>
<td>8.65</td>
</tr>
<tr>
<td>Theory classes</td>
<td>10.8</td>
<td>17.31</td>
</tr>
<tr>
<td>Laboratory classes</td>
<td>5.4</td>
<td>8.65</td>
</tr>
</tbody>
</table>

Total learning time: 62.4 h

CONTENTS

Construction Seminars

Description:
Seminars

Full-or-part-time: 51h 36m
Theory classes: 21h 30m
Self study: 30h 06m

GRADING SYSTEM

The mark of the course is obtained from the attendance to the seminars

EXAMINATION RULES

Minimum attendance is 80% of the seminars

BIBLIOGRAPHY

Basic:
- - - -.