Course guide
290622 - ESTRUCIII1 - Hyperstatic Structures

Unit in charge: Vallès School of Architecture
Teaching unit: 753 - TA - Department of Architectural Technology.

Degree: DEGREE IN ARCHITECTURE STUDIES (Syllabus 2014). (Compulsory subject).
Academic year: 2022 ECTS Credits: 3.0 Languages: Catalan

LECTURER

Coordinating lecturer: JOSEP PRATDESABA FARGAS

Others: Primer quadrimestre:
ROGER SEÑIS LOPEZ
JOSEP PRATDESABA FARGAS

Segon quadrimestre:
ROGER SEÑIS LOPEZ
JOSEP PRATDESABA FARGAS

DEGREE COMPETENCES TO WHICH THE SUBJECT CONTRIBUTES

Specific:
ET6G. The ability to conceive, calculate, design and erect building structures and integrate them into existing buildings and urban areas (T).
ET13G. Adequate knowledge of solid, continuum and soil mechanics and the plastic, elastic and strength behaviour of heavy building materials.

Generical:
CE8. An understanding of structural, construction and engineering design problems related to building design.

TEACHING METHODOLOGY

LEARNING OBJECTIVES OF THE SUBJECT

Resistant Structures: Structural analysis of hyperesthetic porticos. Pre-dimensioning of stresses.

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>16,5</td>
<td>22.00</td>
</tr>
<tr>
<td>Hours medium group</td>
<td>16,5</td>
<td>22.00</td>
</tr>
<tr>
<td>Self study</td>
<td>42,0</td>
<td>56.00</td>
</tr>
</tbody>
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Total learning time: 75 h
CONTENTS

Syllabus

Description:
Structural analysis of hyperstatic porticoes

Full-or-part-time: 33h
Theory classes: 16h 30m
Practical classes: 16h 30m

GRADING SYSTEM

BIBLIOGRAPHY

Basic: