Course guides
290602 - FISICI14 - Environmental Physics

Unit in charge: Vallès School of Architecture
Teaching unit: 748 - FIS - Department of Physics.

Degree: DEGREE IN ARCHITECTURE STUDIES (Syllabus 2014). (Compulsory subject).
Academic year: 2020 ECTS Credits: 6.0 Languages: Catalan, Spanish

LECTURER
Coordinating lecturer: Puigdomenech Franquesa, Joan
Others: DIONIS BOIXADER IBAÑEZ - 1, HERRE
ANNA PAGES RAMON - 1, HERRE
JOAN PUIGDOMENECH FRANQUESA - 1, HERRE

PRIOR SKILLS
To follow the course with maximum performance, it is convenient that students have prior knowledge of mathematics (trigonometry, complex numbers) and physics (waves, electromagnetism).

DEGREE COMPETENCES TO WHICH THE SUBJECT CONTRIBUTES

Specific:
EAB8G. Adequate knowledge of the principles of thermodynamics, acoustics and optics applied to architecture and urbanism.
EAB9G. Adequate knowledge of the principles of fluid mechanics, hydraulics, electricity and electromagnetism applied to architecture and urbanism.

Generical:
CE9. Adequate knowledge of the physical problems, technologies and functions of buildings so as to provide them with comfortable indoor conditions and protection from climate factors.
CG4G. An understanding of structural, construction and engineering design problems related to building design and techniques for solving them.
CG5G. Knowledge of the physical problems, technologies and functions of buildings so as to provide them with comfortable indoor conditions and protection from climate factors.

TEACHING METHODOLOGY

LEARNING OBJECTIVES OF THE SUBJECT

STUDY LOAD

<table>
<thead>
<tr>
<th>Type</th>
<th>Hours</th>
<th>Percentage</th>
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<tbody>
<tr>
<td>Hours medium group</td>
<td>33,0</td>
<td>22.00</td>
</tr>
<tr>
<td>Hours large group</td>
<td>33,0</td>
<td>22.00</td>
</tr>
<tr>
<td>Self study</td>
<td>84,0</td>
<td>56.00</td>
</tr>
</tbody>
</table>
Total learning time: 150 h

CONTENTS

Syllabus

Description:

Full-or-part-time: 66h
Theory classes: 33h
Practical classes: 33h

GRADING SYSTEM

BIBLIOGRAPHY

Basic:

Complementary: