Course guides
310645 - 310645 - Geoinformation Sensors and Capture Systems

Unit in charge: Barcelona School of Building Construction
Teaching unit: 751 - DECA - Department of Civil and Environmental Engineering.
Degree: BACHELOR'S DEGREE IN GEOINFORMATION AND GEOMATICS ENGINEERING (Syllabus 2016). (Optional subject).
Academic year: 2020 ECTS Credits: 4.5 Languages: Catalan

LECTURER

Coordinating lecturer: Puig Polo, Carolina
Others: Mercadé Aloy, Josep

DEGREE COMPETENCES TO WHICH THE SUBJECT CONTRIBUTES

Specific:
CE9EGG. (ENG) Coneixement, utilització i aplicació de les tècniques de tractament. Anàlisi de dades espacials. Estudi de models aplicats a l'enginyeria i arquitectura. (Mòdul comú a la branca Topografia)
CE22EGG. Aptitude and capacity to develope analysis and territorial plannification and territorial sustainability to the work with interdisciplinary teams.

Transversal:
CT4. EFFECTIVE USE OF INFORMATION RESOURCES: Managing the acquisition, structuring, analysis and display of data and information in the chosen area of specialisation and critically assessing the results obtained.
CT5. FOREIGN LANGUAGE: Achieving a level of spoken and written proficiency in a foreign language, preferably English, that meets the needs of the profession and the labour market.

CT2. SUSTAINABILITY AND SOCIAL COMMITMENT: Being aware of and understanding the complexity of the economic and social phenomena typical of a welfare society, and being able to relate social welfare to globalisation and sustainability and to use technique, technology, economics and sustainability in a balanced and compatible manner.
CT3. TEAMWORK: Being able to work in an interdisciplinary team, whether as a member or as a leader, with the aim of contributing to projects pragmatically and responsibly and making commitments in view of the resources that are available.

Basic:
CB4EGG. The students must know how to transmit information, ideas, problems and solutions to a specialized but also to a non-specialized public.

TEACHING METHODOLOGY

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LEARNING OBJECTIVES OF THE SUBJECT

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Date: 29/08/2020 Page: 1 / 2
STUDY LOAD

<table>
<thead>
<tr>
<th>Type</th>
<th>Hours</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hours large group</td>
<td>18.0</td>
<td>16.00</td>
</tr>
<tr>
<td>Hours medium group</td>
<td>27.0</td>
<td>24.00</td>
</tr>
<tr>
<td>Self study</td>
<td>67.5</td>
<td>60.00</td>
</tr>
</tbody>
</table>

**Total learning time:** 112.5 h

CONTENTS

- Description:
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- Specific objectives:
  -
- **Full-or-part-time:** 30h
  Theory classes: 15h
  Self study: 15h

- Description:
  -
- **Full-or-part-time:** 6h
  Theory classes: 3h
  Self study: 3h

- Description:
  -
- **Full-or-part-time:** 6h
  Practical classes: 3h
  Self study: 3h

GRADING SYSTEM