Degree competences to which the subject contributes

Basic:
CB8. Students should be able to integrate knowledge and handle complexity, and formulate judgments based on information that was incomplete or limited, include reflecting on social and ethical responsibilities linked to the application of its conocimientos and judgments.

Specific:
4. The ability to apply, critically and effectively, conceptual frameworks, data collection and processing techniques, applied statistics, mathematical modelling, systems analysis, geographic information systems, information and communication technologies and industrial ecology to meeting the challenges of sustainability and sustainable development.
CE03. The ability to critically analyse theories and perspectives on the traits and properties of the geosphere and biosphere that facilitate and frame the development of socio-environmental systems, as well as the main challenges posed by climate change.
5. The ability to integrate knowledge of integrated management of the natural environment and natural resources, particularly water and energy resources, in the development and proposal of scientific and technological solutions to challenges to sustainability.

General:
CG04. Describe, resolve, prevent and / or alleviate the problems and dysfunctions associated with the processes of development of environmental socio-economic systems with their own approaches to science and technologies of sustainability.

Transversal:
2. 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.
1. 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.

Teaching methodology
-

Learning objectives of the subject
-
480051 - GSIG - Fundamentals of Geosciences and Geographic Information Systems

Study load

<table>
<thead>
<tr>
<th>Study load</th>
<th>Time (h)</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total learning time</td>
<td>125</td>
<td>100%</td>
</tr>
<tr>
<td>Hours large group</td>
<td>37.5</td>
<td>30.00%</td>
</tr>
<tr>
<td>Hours medium group</td>
<td>0</td>
<td>0.00%</td>
</tr>
<tr>
<td>Hours small group</td>
<td>0</td>
<td>0.00%</td>
</tr>
<tr>
<td>Guided activities</td>
<td>7.5</td>
<td>6.00%</td>
</tr>
<tr>
<td>Self study</td>
<td>80</td>
<td>64.00%</td>
</tr>
</tbody>
</table>

Content

(ENG) 1. Introducción a las geociencias y a los SIG

Degree competences to which the content contributes:

(ENG) 2. Geología: rocas, suelos y procesos litorales

Degree competences to which the content contributes:

(ENG) 3. Meteorología, climatología e hidrología

Degree competences to which the content contributes:

(ENG) 4. Edafología e hidrología

Degree competences to which the content contributes:

(ENG) 5. Contaminación de agua y suelo

Degree competences to which the content contributes:

(ENG) 6. Tratamiento de datos georeferenciados

Degree competences to which the content contributes:
Planning of activities

- (ENG) MAPAS GEOLÒGICS Y CARTOGRÀFICS
- (ENG) 2. CÁLCULO DE AVENIDAS
- (ENG) 3. CICLO DEL CARBONO
- (ENG) 4. ANÀLISIS DE DATOS Y SIG
- (ENG) 5. CONTROL ESCRITO

Qualification system

- 

Regulations for carrying out activities

- 

Bibliography