Degree competences to which the subject contributes

**Generical:**
1. (ENG) Analitzar i avaluar l'estructura i arquitectura dels computadors, així com els components bàsics que els conformen.
2. (ENG) Interpretar los fundamentos del uso y programación de los computadores, los sistemas operativos, las bases de datos y, en general, los programas informáticos con aplicación en ingeniería.

**Transversal:**
3. EFFICIENT ORAL AND WRITTEN COMMUNICATION. Communicating verbally and in writing about learning outcomes, thought-building and decision-making. Taking part in debates about issues related to the own field of specialization.
4. 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.
5. 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.

Teaching methodology

(eng)

Learning objectives of the subject

(eng)
Study load

<table>
<thead>
<tr>
<th>Total learning time: 150h</th>
<th>Hours large group: 24h</th>
<th>16.00%</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Hours medium group: 16h</td>
<td>10.67%</td>
</tr>
<tr>
<td></td>
<td>Hours small group: 0h</td>
<td>0.00%</td>
</tr>
<tr>
<td></td>
<td>Guided activities: 20h</td>
<td>13.33%</td>
</tr>
<tr>
<td></td>
<td>Self study: 90h</td>
<td>60.00%</td>
</tr>
</tbody>
</table>

Content

(ENG) · Tema 1: Introducció. Evolució dels computadors i els sistemes operatius

Degree competences to which the content contributes:

Description:
(ENG) Introducció a l'assignatura

(ENG) Part I ¿ Arquitectura del computador

Degree competences to which the content contributes:

Description:
(ENG) · Tema 2: Arquitectura bàsica del computador
· Tema 3: El processador i la memòria
· Tema 4: El llenguatge assemblador
· Tema 5: Dispositius d'entrada / sortida
· Tema 6: Dispositius específics per a vídeo jocs

(ENG) Part II ¿ El sistemes operatius

Degree competences to which the content contributes:

Qualification system

(eng)

Bibliography