340454 - INDI-I7P23 - Interaction and Interface Design

Coordinating unit: 340 - EPSEVG - Vilanova i la Geltrú School of Engineering
Teaching unit: 723 - CS - Department of Computer Science
Academic year: 2019
Degree: BACHELOR'S DEGREE IN INFORMATICS ENGINEERING (Syllabus 2018). (Teaching unit Compulsory)
                      BACHELOR'S DEGREE IN INFORMATICS ENGINEERING (Syllabus 2010). (Teaching unit Optional)
ECTS credits: 6     Teaching languages: Catalan

Teaching staff

Coordinator: BERNARDINO CASAS FERNÁNDEZ
Others: BERNARDINO CASAS FERNÁNDEZ

Prior skills

See catalan version.

Requirements

See catalan version.

Degree competences to which the subject contributes

Specific:
1. CECO6. Ability to develop and assess interactive and presentation of complex information systems and their application in solving problems of designing human being-computer interaction.

General:
GEN. Accessibility: Know and apply criteria of universal design in different products, environment and services.

Transversal:
07 AAT. SELF-DIRECTED LEARNING. Detecting gaps in one's knowledge and overcoming them through critical self-appraisal. Choosing the best path for broadening one's knowledge.

Teaching methodology

See Catalan methodology of the syllabus.

Learning objectives of the subject

See Catalan version of the syllabus.
340454 - INDI-I7P23 - Interaction and Interface Design

Study load

<table>
<thead>
<tr>
<th>Total learning time: 150h</th>
<th>Hours large group: 30h</th>
<th>20.00%</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Hours medium group:</td>
<td>0.00%</td>
</tr>
<tr>
<td></td>
<td>Hours small group:</td>
<td>20.00%</td>
</tr>
<tr>
<td></td>
<td>Guided activities:</td>
<td>0.00%</td>
</tr>
<tr>
<td></td>
<td>Self study:</td>
<td>60.00%</td>
</tr>
</tbody>
</table>

Content

1. Introduction to the interactive systems

Learning time: 2h
- Theory classes: 2h

Description:
See Catalan version of the syllabus.

Specific objectives:
See Catalan version of the syllabus.

2. Processing and visualization of 2D and 3D geometry

Learning time: 30h
- Theory classes: 14h
- Self study: 16h

Description:
See Catalan version of the syllabus.

Related activities:
See Catalan version of the syllabus.

Specific objectives:
See Catalan version of the syllabus.

3. Graphical interaction and user interfaces design

Learning time: 25h
- Theory classes: 12h
- Self study: 13h

Description:
See Catalan version of the syllabus.

Related activities:
See Catalan version of the syllabus.

Specific objectives:
See Catalan version of the syllabus.
340454 - INDI-I7P23 - Interaction and Interface Design

**Qualification system**

See Catalan version of the syllabus.

**Regulations for carrying out activities**

See Catalan version of the syllabus.

**Bibliography**

**Basic:**


**Others resources:**

**Hyperlink**

http://qt.digia.com

http://www.opengl.org

http://useit.com

http://developer.android.com