210255 - MCS - Modelling of Curves and Surfaces

Coordinating unit: 210 - ETSAB - Barcelona School of Architecture
Teaching unit: 753 - TA - Department of Architectural Technology
Academic year: 2019
Degree: DEGREE IN ARCHITECTURE STUDIES (Syllabus 2014). (Teaching unit Optional) DEGREE IN ARCHITECTURE (Syllabus 2010). (Teaching unit Optional)
ECTS credits: 2,5 Teaching languages: Catalan, Spanish

Teaching staff
Coordinator: AMADEO MONREAL PUJADAS
Others: Segon quadrimestre:

AMADEO MONREAL PUJADAS - 43

Degree competences to which the subject contributes

Basic:
CB1. Translation from Spanish slope
CB2. Translation from Spanish slope
CB3. Translation from Spanish slope
CB4. Translation from Spanish slope
CB5. Translation from Spanish slope

Specific:
EAB1. Translation from Spanish slope
EAB11. Translation from Spanish slope
EAB2. Translation from Spanish slope
EAB3. Translation from Spanish slope
EAB5. Translation from Spanish slope

Generical:
CG4. Translation from Spanish slope
CG1. Translation from Spanish slope
CG2. Translation from Spanish slope

Transversal:
CT1. Translation from Spanish slope
CT2. Translation from Spanish slope
Learning objectives of the subject

The computer management of the design allows the generation of a range of forms richer and more varied than what was possible with the ruler and the compass, provided that the conceptual resources are broadened to conceive them. It is proposed to provide the student with these resources by giving him basic guidelines about the underlying machinery in the generation of architectural forms by introducing functional and parametric models. In short, the necessary tools are given to make an intelligent use of CAD. During the course, the student will learn to design formulations that model the forms they conceive and to implement them in a computerized design environment.

Study load

<table>
<thead>
<tr>
<th>Total learning time: 62h 30m</th>
<th>Hours large group:</th>
<th>27h 30m</th>
<th>44.00%</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Hours medium group:</td>
<td>0h</td>
<td>0.00%</td>
</tr>
<tr>
<td></td>
<td>Hours small group:</td>
<td>0h</td>
<td>0.00%</td>
</tr>
<tr>
<td></td>
<td>Guided activities:</td>
<td>0h</td>
<td>0.00%</td>
</tr>
<tr>
<td></td>
<td>Self study:</td>
<td>35h</td>
<td>56.00%</td>
</tr>
</tbody>
</table>

Content

**title english**

**Learning time:** 62h 30m
- Theory classes: 27h 30m
- Self study: 35h

**Description:**
Go to catalan or spanish version

Bibliography