Degree competences to which the subject contributes

Specific:
1. CE19. Knowledge and ability to apply graphic engineering technique.

Teaching methodology

In theoretical sessions contents are exhibited and theoretical basis of different materials, concepts, methods and results are introduced, illustrating them with appropriate examples to facilitate their understanding.

Practical sessions consist of:
1) Sessions where projects consist of statements and guided processes to achieve results.
2) Sessions where practices consist only of statements without specifying the process of obtaining the solution.
3) Control practices.

Students have to study in order to assimilate concepts and solve proposed exercises.

Lab practices are on-site sessions. Concepts, techniques and procedures are exposed to solve practical exercises with CAD.

Non on-site activities are focused on the execution of assessable projects carried out individually or in teams.

Learning objectives of the subject

Introduce concepts, techniques and methods in the area of Graphical Expression in Engineering.
Familiarize with technical and graphical language and use them in industrial environment.
Facilitate and enhance the capacity of abstraction and communication.
Develop and exercise space imagination.
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: 0h</td>
<td>0.00%</td>
</tr>
<tr>
<td></td>
<td>Hours small group: 30h</td>
<td>20.00%</td>
</tr>
<tr>
<td></td>
<td>Guided activities: 0h</td>
<td>0.00%</td>
</tr>
<tr>
<td></td>
<td>Self study: 90h</td>
<td>60.00%</td>
</tr>
</tbody>
</table>

Content

1. Plane Geometry

Learning time: 4h
- Theory classes: 4h

Description:

2. Space Geometry

Learning time: 26h
- Theory classes: 26h

Description:

2.1. Projection and Representation Systems.
2.2. Spacial Conception. Tridimesional Representation.
2.3. Measures of Space.
2.4. Basic Relations in Space.
2.5. Figures and Developement.

(ENG) 5.- Pràctiques de laboratori

Learning time: 30h
- Laboratory classes: 30h

Qualification system

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Regulations for carrying out activities

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Bibliography

Basic:

Complementary:

Others resources:
- Computer material
- Apunts de dibuix tècnic

- Exercicis teòrics i pràctics