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 20.00%</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Hours medium group: 0h 0.00%</td>
</tr>
<tr>
<td></td>
<td>Hours small group: 30h 20.00%</td>
</tr>
<tr>
<td></td>
<td>Guided activities: 0h 0.00%</td>
</tr>
<tr>
<td></td>
<td>Self study: 90h 60.00%</td>
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</tbody>
</table>

Content

1. Plane Geometry

Description:

Learning time: 4h
  Theory classes: 4h

2. Space Geometry

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.

Learning time: 26h
  Theory classes: 26h

(ENG) 5.- Pràctiques de laboratori

Learning time: 30h
  Laboratory classes: 30h

Qualification system

Regulations for carrying out activities
Bibliography

Basic:


Complementary:


Others resources:

Computer material

Apunts de dibuix tècnic

Exercicis teòrics i pràctics