The subject pretends that the student:

1. Have the ability to select and design the manufacturing process for parts using additive manufacturing techniques.
2. Apply and integrate the connections to develop the project of the manufacture of a mechanical assembly, using CAD-CAM-CAE techniques and additive manufacturing.
3. Be able to control the quality of the manufactured parts.
## Content

<table>
<thead>
<tr>
<th>Generals issues about additive manufacturing techniques</th>
<th>Learning time: 3h</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Theory classes: 2h</td>
</tr>
<tr>
<td></td>
<td>Practical classes: 1h</td>
</tr>
</tbody>
</table>

**Description:**
content english

**Specific objectives:**
Acquire knowledge about the different techniques of additive manufacturing

<table>
<thead>
<tr>
<th>Project development</th>
<th>Learning time: 3h 20m</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Theory classes: 3h</td>
</tr>
<tr>
<td></td>
<td>Guided activities: 0h 20m</td>
</tr>
</tbody>
</table>

**Description:**
content english

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## Qualification system

The evaluation of the project will be based on the presentation of the report and a final presentation. Partial deliveries will be distributed throughout the semester
This subject does not have re-evaluation test

## Regulations for carrying out activities

NF= 0.6 NP + 0.4*E  
NF-Final mark  
NP- Project Mark  
E- Partial deliveries

## Bibliography