Centre | University College of Engineering of Vitoria-Gasteiz  
---|---
Name of subject | 26047 – Mechanical Technology  
Qualification | Degree in Mechanical Engineering  
Type | Compulsory  
Credits | 6 ECTS  
Year | 3  
Term(s) | 1st  
Department | Mechanical Engineering  
Language | English, Spanish and Basque

Outcomes / Objectives


Syllabus

1. Moulding, casting, forming by plastic deformation.
2. Forging, rolling and extrusion, forming by plastic deformation.
4. Tube manufacturing, cold stamping of sheet metal.
5. Cutting and punching, cold stamping of sheet metal.
6. Folding and bending.
7. Deep drawing, special forming processes, numerical control.
8. Lathe and milling machine.
9. Welding and applications.

Methodology

**Teaching Method**

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<tr>
<th>Face-to-Face Teaching Hours</th>
<th>Lectures</th>
<th>Seminars</th>
<th>Classroom practice</th>
<th>Lab. practice</th>
<th>Computer sessions</th>
<th>Clinical practice</th>
<th>Workshops</th>
<th>Industrial workshops</th>
<th>Field practice</th>
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<th>Student Hours of Non Face-To-Face Activities</th>
<th>Lectures</th>
<th>Seminars</th>
<th>Classroom practice</th>
<th>Lab. practice</th>
<th>Computer sessions</th>
<th>Clinical practice</th>
<th>Workshops</th>
<th>Industrial workshops</th>
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Bibliography

Basic Bibliography

- Lecturer’s notes
- "Tecnología Delineación 4, Delineación Industrial". Editorial: EDEBE
- "Tecnología Mecánica y Metrotencnia". COCA REBOLLEDO. Editorial: Cosmos

In-depth Bibliography


Websites

- http://www.sme.org; (Society of Manufacturing Engineers)
- http://www.sfsa.org; (Steel Founders Society of America)
- http://www.forging.org; (Forging Industry Association)
- http://www.aec.org; (Aluminium Extruders Council)
- http://www.aws.org; (American Welding Society)
- http://www.iiew-iis.org (International Institute of Welding)
- http://www.design4x.com The Alliance for Innovative Manufacturing at Stanford University