Degree competences to which the subject contributes

Transversal:
1. EFFICIENT ORAL AND WRITTEN COMMUNICATION - Level 2. Using strategies for preparing and giving oral presentations. Writing texts and documents whose content is coherent, well structured and free of spelling and grammatical errors.
2. THIRD LANGUAGE. Learning a third language, preferably English, to a degree of oral and written fluency that fits in with the future needs of the graduates of each course.
3. TEAMWORK - Level 2. Contributing to the consolidation of a team by planning targets and working efficiently to favor communication, task assignment and cohesion.
4. EFFECTIVE USE OF INFORMATION RESOURCES - Level 2. Designing and executing a good strategy for advanced searches using specialized information resources, once the various parts of an academic document have been identified and bibliographical references provided. Choosing suitable information based on its relevance and quality.

Teaching methodology

Workshop 2 theory: contents are exhibited and theoretical basis of different materials, concepts, methods and results with practical applications are introduced and appropriate examples to facilitate their understanding.
Practises of workshop 2 consist of:
1) Sessions where projects are based on existing products.
2) Global or specific complementary feedback so that students are able to develop proposed projects.
3) Guided follow-up to achieve results.
4) Existing product manipulation: dismantling and assembling products.
Students propose solutions for analysed and developed projects.
The lab os workshop 2 contemplates:
1) Existing product manipulation: dismantling and assembling products.
2) Guided follow-up to achieve results.
3) Possibility to do the respective model (Prototype in 3D, possible solutions)
The independent learning is aimed at making presentations of projects as well as at complementary information research and existng product manipulation.
340076 - TAD2-D4O17 - Design Workshop II

**Learning objectives of the subject**

To acquire a general education based on the product and get acquainted to the different parts that form them. Internal and external product analysis.

Strengthen skills, ingenuity and ability to analyze and manipulate an industrial product.

To develop minimum technical ability to solve effectively the proposed projects and ideas that students themselves generate.

To interpret the process of product development from the formal and theoretical knowledge of different subjects that make up the Design Workshop.

To develop an attitude of criticism and self-criticism of the own works and those of the colleagues.

To gain an overview of the product. Product and its components. Structure of a product.

**Study load**

<table>
<thead>
<tr>
<th>Total learning time: 150h</th>
<th>Hours large group: 6h 4.00%</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Hours medium group: 0h 0.00%</td>
</tr>
<tr>
<td></td>
<td>Hours small group: 6h 4.00%</td>
</tr>
<tr>
<td></td>
<td>Guided activities: 0h 0.00%</td>
</tr>
<tr>
<td></td>
<td>Self study: 138h 92.00%</td>
</tr>
<tr>
<td>Content</td>
<td>Learning time: 3h</td>
</tr>
<tr>
<td>------------------------------------------------------------------------</td>
<td>--------------------</td>
</tr>
<tr>
<td>1. Existing Products and Improvements. Redesign of products.</td>
<td>Theory classes: 3h</td>
</tr>
<tr>
<td>2. Analysis and Study based Development. Duality in Products.</td>
<td>Theory classes: 3h</td>
</tr>
<tr>
<td>4. Fabrication and Production Techniques. Evaluation.</td>
<td>Theory classes: 3h</td>
</tr>
<tr>
<td>5. Presentation techniques</td>
<td>Theory classes: 3h</td>
</tr>
<tr>
<td>(ENG) -</td>
<td>Practical classes: 15h</td>
</tr>
<tr>
<td>Design Workshop Laboratory</td>
<td>Laboratory classes: 30h</td>
</tr>
<tr>
<td>Autonomous Learning</td>
<td>Self study: 90h</td>
</tr>
</tbody>
</table>
The evaluation of all different activities which form the subject are based on:

- Technical report of project and exercises worth 50%.
- Defence and technical exhibition of the project worth 30%.
- Assessment of skills and attitudes shown by students in individual and team activities worth 20%.

Laboratory sessions are complementary for a good follow-up of the subject.

It is recommended to attend and participate actively in the Design Workshop lessons and have a respectful, critical and active attitude to improve the results.

Exercises will be delivered in the established format and via Atenea.

**Bibliography**

**Basic:**


**Complementary:**


**Others resources:**