DEGREE COMPETENCES TO WHICH THE SUBJECT CONTRIBUTES

Generical:
1. THE ABILITY TO ANALYSE AND SYNTHESISE: The ability to think abstractly about the fundamental concepts of a text or exposition and to intelligibly present the result of one's work.
2. SELF-DIRECTED LEARNING - Level 1. Completing set tasks within established deadlines. Working with recommended information sources according to the guidelines set by lecturers.
3. EFFICIENT ORAL AND WRITTEN COMMUNICATION - Level 1. Planning oral communication, answering questions properly and writing straightforward texts that are spelt correctly and are grammatically coherent.
4. ENTREPRENEURSHIP AND INNOVATION - Level 1. Showing enterprise, acquiring basic knowledge about organizations and becoming familiar with the tools and techniques for generating ideas and managing organizations that make it possible to solve known problems and create opportunities.
5. SUSTAINABILITY AND SOCIAL COMMITMENT - Level 1. Analyzing the world's situation critically and systemically, while taking an interdisciplinary approach to sustainability and adhering to the principles of sustainable human development. Recognizing the social and environmental implications of a particular professional activity.
6. 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.
7. TEAMWORK - Level 1. Working in a team and making positive contributions once the aims and group and individual responsibilities have been defined. Reaching joint decisions on the strategy to be followed.
8. EFFECTIVE USE OF INFORMATION RESOURCES - Level 1. Identifying information needs. Using collections, premises and services that are available for designing and executing simple searches that are suited to the topic.

LEARNING OBJECTIVES OF THE SUBJECT

The general aim of learning this subject is to know the wide field of work of the industrial engineering. It wants to give importance to the generic competitions which are incorporated in the degree, as a necessary complement of the technological knowledge of the course.
### STUDY LOAD

<table>
<thead>
<tr>
<th>Type</th>
<th>Hours</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hours large group</td>
<td>6.0</td>
<td>8.00</td>
</tr>
<tr>
<td>Hours small group</td>
<td>21.0</td>
<td>28.00</td>
</tr>
<tr>
<td>Self study</td>
<td>48.0</td>
<td>64.00</td>
</tr>
</tbody>
</table>

Total learning time: 75 h

### CONTENTS

1. **Work of industrial engineer**
   
   **Description:**
   
   **Related activities:**
   
   **Full-or-part-time:** 5h
   Theory classes: 1h
   Laboratory classes: 1h
   Self study: 3h

2. **Generic competition CG3 - Third language**
   
   **Description:**
   
   **Related activities:**
   
   (ENG) · Importància de l’anglès com a eina de comunicació oral i escrita a l’enginyeria.
   
   **Full-or-part-time:** 5h
   Theory classes: 1h
   Laboratory classes: 1h
   Self study: 3h

3. **Forum of companies**
   
   **Description:**
   
   **Related activities:**
   
   (ENG) · Participació a les activitats organitzades al voltant del Fòrum d’empreses.
   
   **Full-or-part-time:** 4h
   Theory classes: 1h
   Self study: 3h
### 4. The different tasks of industrial engineering

**Description:**
(ENG) · Presentació de les activitats de diferents Departaments de l'ETSEIAT amb incidència en la professió de l'enginyeria industrial.

**Related activities:**
(ENG) Treballs individuals i en grup, Assistència a seminaris amb presència d'experts, Visita a laboratoris de recerca i/o instal·lacions singulars, Desenvolupament general de competències genèriques a nivell 1.

**Full-or-part-time:** 51h  
Theory classes: 9h  
Laboratory classes: 9h  
Self study: 33h

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### 5. Partial and final evaluation

**Description:**
(ENG) · Avaluació parcial (lliurament exercicis) i final.

**Related activities:**
(ENG) Lliurament de treballs i examen final escrit.

**Full-or-part-time:** 10h  
Theory classes: 5h  
Self study: 5h

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### ACTIVITIES

#### ACTIVITY 1: TECHNOLOGICAL CONFERENCES

**Full-or-part-time:** 11h  
Theory classes: 11h

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#### ACTIVITY 2: ACTIVITIES RELATED WITH TECHNOLOGICAL CONFERENCES

**Full-or-part-time:** 9h  
Laboratory classes: 9h

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#### ACTIVITY 3: IDENTIFICATION OF BASIC RULES

**Full-or-part-time:** 4h  
Laboratory classes: 1h  
Self study: 3h
**ACTIVITY 4: ENGLISH EVALUATION**

**Full-or-part-time:** 4h  
Laboratory classes: 1h  
Self study: 3h

**ACTIVITY 5: BUSINESS FORUM**

**Full-or-part-time:** 4h  
Theory classes: 1h  
Self study: 3h

**GRADING SYSTEM**

Students have to assist to 80% of activities to be evaluated of this subject.
It will realise a minimum of 4 evaluated activities during the course.
The note will be the average of the notes of the activities that are done.

**EXAMINATION RULES.**

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