220292 - Yarns, Filaments and Nonwoven Textiles

Coordinating unit: 205 - ESEIAAT - Terrassa School of Industrial, Aerospace and Audiovisual Engineering
Teaching unit: 714 - ETP - Department of Textile and Paper Engineering
Academic year: 2019
Degree: MASTER'S DEGREE IN INDUSTRIAL ENGINEERING (Syllabus 2013). (Teaching unit Optional)
ECTS credits: 5
Teaching languages: Catalan

Teaching staff
Coordinator: FELIX MARSAL AMENOS

Degree competences to which the subject contributes

Specific:
1. Ability to apply multivariate analysis techniques in market knowledge about materials and textiles in order to implement a flow production system.
2. Ability to develop new fibers or yarns and woven and non-woven structures according to specifications and latest technologies for specific technical applications.
3. Ability to manage and optimize production processes of technical textiles.

Learning objectives of the subject

Study load

<table>
<thead>
<tr>
<th>Total learning time: 125h</th>
<th>Hours large group: 30h</th>
<th>24.00%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hours small group: 15h</td>
<td></td>
<td>12.00%</td>
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<tr>
<td>Self study: 80h</td>
<td></td>
<td>64.00%</td>
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## Content

### (ENG) Mòdul 1:

**Learning time:** 90h  
- Theory classes: 20h  
- Laboratory classes: 10h  
- Self study: 60h

### (ENG) Mòdul 2:

**Learning time:** 35h  
- Theory classes: 10h  
- Laboratory classes: 5h  
- Self study: 20h

## Planning of activities

### (ENG) ACTIVITAT 1: A1

**Hours:** 62h  
- Theory classes: 15h  
- Laboratory classes: 7h  
- Self study: 40h

### (ENG) ACTIVITAT 2: A2

**Hours:** 28h  
- Theory classes: 5h  
- Laboratory classes: 3h  
- Self study: 20h

### (ENG) ACTIVITAT 3: A3

**Hours:** 35h  
- Theory classes: 10h  
- Laboratory classes: 5h  
- Self study: 20h

## Bibliography