320086 - GPI - Innovation Project Management

Coordinating unit: 205 - ESEIAAT - Terrassa School of Industrial, Aerospace and Audiovisual Engineering
Teaching unit: 714 - ETP - Department of Textile and Paper Engineering
Academic year: 2018
Degree: BACHELOR'S DEGREE IN TEXTILE TECHNOLOGY AND DESIGN ENGINEERING (Syllabus 2009). (Teaching unit Compulsory)
ECTS credits: 6  Teaching languages: Catalan, Spanish

Coordinator: HEURA VENTURA CASELLAS

Prior skills
- Knowledge of business organization.
- Knowledge of materials and textiles
- Knowledge of textile finishing processes

Degree competences to which the subject contributes

Specific:
- CE21. TEX: Ability to develop textile products and industrial manufacturing.

Teaching methodology
- Theoretical sessions
- Discussion Sessions of individual or group work and individual groups.
- Individual work

Learning objectives of the subject
- To train students to participate in the planning of business strategies based on product innovation and textile processes. Improve the competitiveness of the textile industry in today's environment of global economy and delocalized production.
- Provide students with the skills and knowledge needed to prepare a business plan that considers aspects of technical definition of the product, production and product strategy, pricing strategy, distribution strategy and sales.
- To train professionals to analyze, disseminate and implement innovations in textile organizations.
### Study load

<table>
<thead>
<tr>
<th></th>
<th>Hours large group:</th>
<th>Hours medium group:</th>
<th>Hours small group:</th>
<th>Guided activities:</th>
<th>Self study:</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Total learning time:</strong> 150h</td>
<td>30h</td>
<td>0h</td>
<td>30h</td>
<td>0h</td>
<td>90h</td>
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<tr>
<td></td>
<td>20.00%</td>
<td>0.00%</td>
<td>20.00%</td>
<td>0.00%</td>
<td>60.00%</td>
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</table>
# Content

<table>
<thead>
<tr>
<th>Topic 1. Product innovation of products and textile processes</th>
<th>Learning time: 50h</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Theory classes: 10h</td>
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<tr>
<td></td>
<td>Laboratory classes: 10h</td>
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<tr>
<td></td>
<td>Self study : 30h</td>
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**Description:**
- Treatment of wastewater in the water cycle.
- Key parameters of.
- Purification processes: objectives and methods.

**Specific objectives:**
(ENG) · Estudi de casos d'implantació d'estratègies tecnològiques en empreses tèxtils.

<table>
<thead>
<tr>
<th>Topic 2. Regulation criteria associated to innovation Processes</th>
<th>Learning time: 50h</th>
</tr>
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<tbody>
<tr>
<td></td>
<td>Theory classes: 10h</td>
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<tr>
<td></td>
<td>Laboratory classes: 10h</td>
</tr>
<tr>
<td></td>
<td>Self study : 30h</td>
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**Description:**
- BAT's and UNE for the textile sector
- Innovation and development of products and processes. Methodology for the development of products with consideration of the entire production process.
- Re-engineering processes.

**Specific objectives:**
(ENG) · Estudi de casos de processos de gestió de la innovació en empreses tèxtils.

<table>
<thead>
<tr>
<th>Topic 3. Definition of technique specifications associated with the implementation innovation process</th>
<th>Learning time: 50h</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>Theory classes: 10h</td>
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<tr>
<td></td>
<td>Laboratory classes: 10h</td>
</tr>
<tr>
<td></td>
<td>Self study : 30h</td>
</tr>
</tbody>
</table>

**Description:**
- Technical specifications associated with international trade in raw materials and fibers.
- Technical specifications related to international trade of textile products under manufacture.
- Technical specifications associated with international trade in textiles at the end of the manufacturing process.
- The process of technology transfer. Protection of Industrial Property. Methodology for the protection and the exchange of intellectual property.

**Related activities:**

**Specific objectives:**
(ENG) · Estudi de casos de definició d'especificacions tècniques.
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Qualification system

- Deliverables cases on process innovation and / or textiles: 70%
- Reports works and laboratory studies: 30%

The unsatisfactory results of case studies and written reports will be recovered during the year according to the professor.

Bibliography

Basic:


Others resources: