220683 - Research Tools

**Coordinating unit:** 205 - ESEIAAT - Terrassa School of Industrial, Aerospace and Audiovisual Engineering  
**Teaching unit:** 732 - OE - Department of Management  
**Academic year:** 2018  
**Degree:** MASTER'S DEGREE IN MANAGEMENT ENGINEERING (Syllabus 2012). (Teaching unit Optional)  
**ECTS credits:** 3  
**Teaching languages:** English

**Teaching staff**  
**Coordinator:** Silvia Rodriguez Donaire

**Teaching methodology**

The teaching methodology is divided into three parts:
1. Face sessions: Work Group.
2. Blended Activities: practical work in groups

In the face-to-face sessions, students will learn the basic use of management tools for research through group activities. The lecturer will guide the students during the concepts application. The lecturer will encourage students’ participation. You need to bring your laptop to perform the classroom tasks.

In the blended activities, students will work in the same class group to carry out the proposed activities for managing tools similar to those used during the classroom sessions. These activities try to ensure the achievement of the basic use of these other tools for research.

The lecturer will provide the syllabus through Athena and invigorate the course activities. To monitor the blended activities the lecturer will use another external online platform.

**Learning objectives of the subject**

**Study load**

<table>
<thead>
<tr>
<th>Total learning time: 75h</th>
<th>Hours large group:</th>
<th>10h</th>
<th>13.33%</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Guided activities:</td>
<td>17h</td>
<td>22.67%</td>
</tr>
<tr>
<td></td>
<td>Self study:</td>
<td>48h</td>
<td>64.00%</td>
</tr>
</tbody>
</table>

**Content**

<table>
<thead>
<tr>
<th>Module 1: Management Tools for Research</th>
<th>Learning time: 75h</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Description:</strong></td>
<td>Theory classes: 10h</td>
</tr>
<tr>
<td>Basic use of management tools for</td>
<td>Guided activities: 17h</td>
</tr>
<tr>
<td>research projects or papers</td>
<td>Self study: 48h</td>
</tr>
</tbody>
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Qualification system

The final mark of the course depends on the following assessment activities:
- Attendance, weight: 10%
- QUIZ, weight: 20%
- Group activity, weight: 40%
- In Class group activity, weight: 10%
- Individual Blended activities, weight: 20%

The unsatisfactory results of group activity will be redirected through a complementary activity to be held before the day fixed for the final exam. This complementary activity can be accessed by students with a score lower than 5.0 the act of evaluation. The rating of this activity will be through a written activity with a score between 0 and 4. The grade for the application of renewal replace the initial qualification provided that it is superior.

Bibliography

Others resources:
- http://www.pbworks.com/
- https://www.zoho.com/projects/
- http://www.abisource.com/
- http://www.latex?project.org/
- https://www.zotero.org/
- http://www.academia.edu/
- http://www.researchgate.net/