205300 - Quality Management: Statistics Methods

Coordinating unit: 205 - ESEIAAT - Terrassa School of Industrial, Aerospace and Audiovisual Engineering
Teaching unit: 715 - EIO - Department of Statistics and Operations Research
Academic year: 2019
Degree: MASTER'S DEGREE IN MANAGEMENT ENGINEERING (Syllabus 2012). (Teaching unit Optional)
ECTS credits: 3
Teaching languages: Catalan, Spanish

Teaching staff
Coordinator: Eulàlia Griful Ponsati

Teaching methodology
1227/5000
The teaching methodology is divided into three parts:
- Face-to-face sessions - Participation of contents and performance of exercises.
- Face-to-face sessions of laboratory work.
- Self study work and exercises and activities.
In the sessions of exhibition -participation of the contents, the teaching staff will introduce the theoretical bases of the subject, concepts, methods and results illustrating them with convenient examples and requesting, in his case, the accomplishment of exercises to facilitate- and their understanding.
In the laboratory work sessions, the teaching staff will guide the students in the application of the theoretical concepts for the resolution of experimental assemblies, based at all times on the critical reasoning. Activities will be proposed that the student will solve in the classroom and outside the classroom, in order to encourage the contact and use of the basic tools necessary for the realization of an instrumentation system.
The student, independently, must work the material provided by the teaching staff and the result of the work sessions-problems in order to assimilate and set the concepts. The teaching staff will provide a plan for study and follow-up activities (ATENEA).

Learning objectives of the subject

Study load

<table>
<thead>
<tr>
<th>Total learning time: 75h</th>
<th>Hours large group:</th>
<th>3h</th>
<th>4.00%</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>Hours medium group:</td>
<td>8h</td>
<td>10.67%</td>
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<tr>
<td></td>
<td>Hours small group:</td>
<td>0h</td>
<td>0.00%</td>
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<td></td>
<td>Guided activities:</td>
<td>16h</td>
<td>21.33%</td>
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<td></td>
<td>Self study:</td>
<td>48h</td>
<td>64.00%</td>
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### Qualification system

The final grade of the course depends on the following evaluative acts:
- Exercises, weight: 50%
- Exam, weight: 50%
Bibliography

Basic:
