230087 - PIE - Probability and Statistics

Coordinating unit: 230 - ETSETB - Barcelona School of Telecommunications Engineering
Teaching unit: 749 - MAT - Department of Mathematics
Academic year: 2019
Degree: BACHELOR'S DEGREE IN TELECOMMUNICATIONS TECHNOLOGIES AND SERVICES ENGINEERING (Syllabus 2015). (Teaching unit Compulsory)
ECTS credits: 6  Teaching languages: Catalan

Teaching staff
Coordinator: Fabrega Canudas, Jose
Others: Miquel À. Fiol
Josep Fàbrega
Anna Lladó
Gracia Sabate, Francesc Xavier

Prior skills
Calculus of one and several variables. Linear algebra.

Degree competences to which the subject contributes
Transversal:
07 AAT N2. SELF-DIRECTED LEARNING - Level 2: Completing set tasks based on the guidelines set by lecturers. Devoting the time needed to complete each task, including personal contributions and expanding on the recommended information sources.

Teaching methodology
- Lectures.
- Application classes.
- Exercises.

Learning objectives of the subject

Study load

<table>
<thead>
<tr>
<th>Total learning time: 150h</th>
<th>Hours large group:</th>
<th>65h</th>
<th>43.33%</th>
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<td>Self study:</td>
<td>85h</td>
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## Content

<table>
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<th>Section</th>
<th>Learning time:</th>
<th>Description:</th>
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5. Statistics II

<table>
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<tr>
<td>Theory classes:</td>
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**Description:**
Fitting lines. Regression in one and several variables. Method of the least squares, orthogonality principle. Linear models. ANOVA. Non parametric tests. Bayesian statistics.

**Qualification system**

- Parcial exams: 40%
- Final exam: 60%

**Bibliography**

**Basic:**