820067 - PDE - Data Processing in Engineering

Coordinating unit: 295 - EEBE - Barcelona East School of Engineering
Teaching unit: 707 - ESAII - Department of Automatic Control
Academic year: 2015

Degree:
- Bachelor's Degree in Electrical Engineering (Syllabus 2009). (Teaching unit Optional)
- Bachelor's Degree in Mechanical Engineering (Syllabus 2009). (Teaching unit Optional)
- Bachelor's Degree in Chemical Engineering (Syllabus 2009). (Teaching unit Optional)
- Bachelor's Degree in Biomedical Engineering (Syllabus 2009). (Teaching unit Optional)
- Bachelor's Degree in Energy Engineering (Syllabus 2009). (Teaching unit Optional)
- Bachelor's Degree in Mechanical Engineering (Syllabus 2009). (Teaching unit Optional)
- Bachelor's Degree in Energy Engineering (Syllabus 2009). (Teaching unit Optional)
- Bachelor's Degree in Electrical Engineering (Syllabus 2009). (Teaching unit Optional)
- Bachelor's Degree in Industrial Electronics and Automatic Control Engineering (Syllabus 2009). (Teaching unit Optional)
- Bachelor's Degree in Biomedical Engineering (Syllabus 2009). (Teaching unit Optional)
- Bachelor's Degree in Chemical Engineering (Syllabus 2009). (Teaching unit Optional)
- Bachelor's Degree in Industrial Electronics and Automatic Control Engineering (Syllabus 2009). (Teaching unit Optional)

ECTS credits: 6

Teaching languages: Catalan

Teaching staff

Coordinator: Raúl Benítez
Others: Jesús Marín, Raúl Benítez

Degree competences to which the subject contributes

Transversal:
1. SELF-DIRECTED LEARNING - Level 3. Applying the knowledge gained in completing a task according to its relevance and importance. Deciding how to carry out a task, the amount of time to be devoted to it and the most suitable information sources.

Learning objectives of the subject
Study load

<table>
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<th>Total learning time: 150h</th>
<th>Hours large group:</th>
<th>45h</th>
<th>30.00%</th>
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<td>Hours medium group:</td>
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<td>Self study:</td>
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Content

- **(ENG) Tema 1: Introducció a l'anàlisi de dades en enginyeria**
  - Degree competences to which the content contributes:

- **(ENG) Tema 2: Recollida i preprocessat de dades**
  - Degree competences to which the content contributes:

- **(ENG) Tema 3: Caracterització estadística de dades**
  - Degree competences to which the content contributes:

- **(ENG) Tema 4: Contrast d'hipòtesi**
  - Degree competences to which the content contributes:

- **(ENG) Tema 5: Anàlisi de dades**
  - Degree competences to which the content contributes:

Bibliography

**Basic:**

