820250 - PDMEIA - Mobile Devices Programming

Coordination unit: 295 - EEBE - Barcelona East School of Engineering
Teaching unit: 723 - CS - Department of Computer Science
Academic year: 2015
Degree: BACHELOR'S DEGREE IN INDUSTRIAL ELECTRONICS AND AUTOMATIC CONTROL ENGINEERING (Syllabus 2009). (Teaching unit Optional)
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ECTS credits: 6 Teaching languages: Catalan, Spanish

Teaching staff
Coordinator: Samir Kanaan
Others: Samir Kanaan i Gerard Escudero

Degree competences to which the subject contributes

Specific:
1. Understand the basics behind the use and programming of PCs, operating systems, databases and software with applications in engineering.
2. Apply their knowledge to industrial informatics and communications.

Transversal:

Teaching methodology

The course uses a group methodology based on projects: a guided work (laboratory) in a 50% and an open work (project) in the remaining 50%.

Learning objectives of the subject

- Let the student know about the concepts and basic usages of mobile device programming (phones and tablets) with Android.
- Provide programming techniques for mobile devices.
The assignment will be formed by the evaluation on the professors of the different practical works (50%) and a final project (another 50%).

Qualification system

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Regulations for carrying out activities

Laboratory works follow a guide. The final project can be chosen by the student with the assessment and approval of the professors.

Bibliography

Basic:
