**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.
3. 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

The assignment will be formed by the evaluation on the professors of the different practical works (50%) and a final project (another 50%).

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:
