320166 - PDMA - Programming of Mobiles Android

Coordinating unit: 205 - ESEIAAT - Terrassa School of Industrial, Aerospace and Audiovisual Engineering
Teaching unit: 723 - CS - Department of Computer Science

Academic year: 2019
Degree:
- BACHELOR'S DEGREE IN INDUSTRIAL TECHNOLOGY ENGINEERING (Syllabus 2010). (Teaching unit Optional)
- BACHELOR'S DEGREE IN AEROSPACE TECHNOLOGY ENGINEERING (Syllabus 2010). (Teaching unit Optional)
- BACHELOR'S DEGREE IN AEROSPACE VEHICLE ENGINEERING (Syllabus 2010). (Teaching unit Optional)
- BACHELOR'S DEGREE IN AUDIOVISUAL SYSTEMS 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 MECHANICAL ENGINEERING (Syllabus 2009). (Teaching unit Optional)
- BACHELOR'S DEGREE IN CHEMICAL ENGINEERING (Syllabus 2009). (Teaching unit Optional)
- BACHELOR'S DEGREE IN TEXTILE TECHNOLOGY AND DESIGN ENGINEERING (Syllabus 2009). (Teaching unit Optional)
- BACHELOR'S DEGREE IN INDUSTRIAL DESIGN AND PRODUCT DEVELOPMENT ENGINEERING (Syllabus 2010). (Teaching unit Optional)

ECTS credits: 6

Teaching languages: Catalan

Teaching staff
Coordinator: Marco Gomez, Jordi
Others: Fernandez Duran, Pablo

Degree competences to which the subject contributes

Specific:
1. AUD_COMMON: Ability to use information and communication applications (office and databases, advanced calculation, project management, visualisation, etc.) to support the development and exploitation of networks, services and telecommunications and electronics applications.
2. AUD_COMMON: Knowledge and application of the basic concepts underpinning the languages used to describe hardware.

Transversal:
3. 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.
4. TEAMWORK - Level 3. Managing and making work groups effective. Resolving possible conflicts, valuing working with others, assessing the effectiveness of a team and presenting the final results.
5. EFFECTIVE USE OF INFORMATION RESOURCES - Level 3. Planning and using the information necessary for an academic assignment (a final thesis, for example) based on a critical appraisal of the information resources used.
Learning objectives of the subject

Study load

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<th>Total learning time: 150h</th>
<th>Hours small group:</th>
<th>60h</th>
<th>40.00%</th>
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<td></td>
<td></td>
<td>Self study:</td>
<td>90h</td>
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Content

**(ENG) TEMA 1: Introducció**

Learning time: 10h
- Laboratory classes: 4h
- Self study: 6h

**(ENG) TEMA 2: Interacció amb l'usuari**

Learning time: 44h
- Laboratory classes: 18h
- Self study: 26h

**(ENG) TEMA 3: Emmagatzematge de dades**

Learning time: 20h
- Laboratory classes: 8h
- Self study: 12h

**(ENG) TEMA 4: Trucades i SMS**

Learning time: 20h
- Laboratory classes: 9h
- Self study: 11h

**(ENG) TEMA 5: OpenCV**

Learning time: 48h
- Laboratory classes: 21h
- Self study: 27h
### Planning of activities

<table>
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<th>(ENG) PROEECTE EN GRUP D’EVALUACIÓ CONTÍNUA</th>
<th>Hours: 66h</th>
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<tbody>
<tr>
<td>Laboratory classes: 20h</td>
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<td>Guided activities: 6h</td>
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<tr>
<td>Self study: 40h</td>
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</tbody>
</table>

### Bibliography

#### Basic:


#### Complementary:


#### Others resources: