Course guide
300045 - EA-M - Applications Engineering

Unit in charge: Castelldefels School of Telecommunications and Aerospace Engineering
Teaching unit: 701 - DAC - Department of Computer Architecture.
744 - ENTEL - Department of Network Engineering.

Degree: BACHELOR’S DEGREE IN NETWORK ENGINEERING (Syllabus 2009). (Compulsory subject).

Academic year: 2023 ECTS Credits: 12.0 Languages: Catalan, Spanish

LECTURER

Coordinating lecturer: Definit a la infoweb de l’assignatura.

Others: Definit a la infoweb de l’assignatura.

DEGREE COMPETENCES TO WHICH THE SUBJECT CONTRIBUTES

Specific:
1. CE 21 TEL. Capacity for constructing, exploiting and managing the networks, services, processes and applications of telecommunications, understood as systems of capture, transport, representation, processed, storage, management, presentation and display of multimedia information, from the point of view of telematics systems.(CIN/352/2009, BOE 20.2.2009.)
2. CE 27 TEL. Capacity of programming services and telematic applications, in network and distributed.(CIN/352/2009, BOE 20.2.2009.)
6. CE 6 TELECOM. Capacity to autonomously learn new knowledge and techniques adequate for the conception, development or exploitation of telecommunications systems and services.(CIN/352/2009, BOE 20.2.2009.)

General:
5. PROJECT MANAGEMENT - Level 2: Define the objectives of a well-defined, narrow scope, and plan development, identifying resources, tasks, shared responsibilities and integration. Use appropriate tools to support project management.

Transversal:
3. TEAMWORK. Being able to work as a team player, either as a member or as a leader. Contributing to projects pragmatically and responsibly, by reaching commitments in accordance to the resources that are available.
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.

TEACHING METHODOLOGY

LEARNING OBJECTIVES OF THE SUBJECT

STUDY LOAD

<table>
<thead>
<tr>
<th>Type</th>
<th>Hours</th>
<th>Percentage</th>
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<tbody>
<tr>
<td>Hours small group</td>
<td>84,0</td>
<td>28.00</td>
</tr>
<tr>
<td>Self study</td>
<td>168,0</td>
<td>56.00</td>
</tr>
<tr>
<td>Guided activities</td>
<td>48,0</td>
<td>16.00</td>
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</tbody>
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Total learning time: 300 h
CONTENTS

(ENG) (CAT) - PROGRAMACIÓN AVANZADA JAVA

Full-or-part-time: 282h
Laboratory classes: 90h
Guided activities: 42h
Self study: 150h

(ENG) (CAT) - PROGRAMACIÓN CONCURRENTE Y DE RED AVANZADA

(ENG) (CAT) - REPRESENTACIÓN DE DATOS

(ENG) (CAT) - DISEÑO DE APLICACIONES EMPRESARIALES

(ENG) (CAT) - PLATAFORMAS DISTRIBUIDAS

(ENG) (CAT) - DESARROLLO DE SOFTWARE DIRIGIDO POR MODELOS

(ENG) (CAT) - DESARROLLO ÁGIL DEL SOFTWARE

Full-or-part-time: 150h
Theory classes: 37h 30m
Seminars: 37h 30m
Group work (distance learning): 37h 30m
Guided activities: 37h 30m

GRADING SYSTEM

BIBLIOGRAPHY

Basic:

Complementary: