Course guide
230160 - SAD - Software for Distributed Applications

Unit in charge: Barcelona School of Telecommunications Engineering
Teaching unit: 744 - ENTEL - Department of Network Engineering.
Degree: BACHELOR’S DEGREE IN TELECOMMUNICATIONS TECHNOLOGIES AND SERVICES ENGINEERING (Syllabus 2015). (Optional subject).
Academic year: 2022 ECTS Credits: 6.0 Languages: Catalan

LECTURER

Coordinating lecturer: Consultar aquí / See here: https://telecos.upc.edu/ca/estudis/curs-actual/professorat-responsables-coordinadors/responsables-assignatura
Others: Consultar aquí / See here: https://telecos.upc.edu/ca/estudis/curs-actual/professorat-responsables-coordinadors/professorat-assignat-idioma

DEGREE COMPETENCES TO WHICH THE SUBJECT CONTRIBUTES

Generical:
10 ECI N3. They will have acquired knowledge related to experiments and laboratory instruments and will be competent in a laboratory environment in the ICC field. They will know how to use the instruments and tools of telecommunications and electronic engineering and how to interpret manuals and specifications. They will be able to evaluate the errors and limitations associated with simulation measures and results.

TEACHING METHODOLOGY

Expository classes
Lab classes
Group work (nor attended)
Individual work (not attended)
Exercises
Short Answer Tests (Control)
Long Answer Tests (Control)
Long Answer Tests (Final Exam)
Laboratory practice

LEARNING OBJECTIVES OF THE SUBJECT

STUDY LOAD

<table>
<thead>
<tr>
<th>Type</th>
<th>Hours</th>
<th>Percentage</th>
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</thead>
<tbody>
<tr>
<td>Hours large group</td>
<td>39,0</td>
<td>26.00</td>
</tr>
<tr>
<td>Self study</td>
<td>85,0</td>
<td>56.67</td>
</tr>
<tr>
<td>Hours small group</td>
<td>26,0</td>
<td>17.33</td>
</tr>
</tbody>
</table>

Total learning time: 150 h
CONTENTS

(ENG) Tema 1. Classificació de les comunicacions.

Full-or-part-time: 16h 25m
Theory classes: 2h 15m
Laboratory classes: 4h
Self study : 10h 10m

(ENG) Tema 2. Col·leccions d'objectes.

Full-or-part-time: 18h 10m
Theory classes: 3h
Laboratory classes: 5h
Self study : 10h 10m

(ENG) Tema 3. Entrada/Sortida d'informació.

Full-or-part-time: 9h
Theory classes: 2h
Laboratory classes: 2h
Self study : 5h

(ENG) Tema 4. Eines per al disseny de clients.

Full-or-part-time: 26h 20m
Theory classes: 5h
Laboratory classes: 6h
Self study : 15h 20m

(ENG) Tema 5. Disseny de servidors.

Full-or-part-time: 38h 35m
Theory classes: 7h 15m
Laboratory classes: 9h
Self study : 22h 20m

ACTIVITIES

(ENG) Proves de resposta curta (Control)

(ENG) Proves de resposta llarga (Control)

(ENG) Exercicis
GRADING SYSTEM

25% evaluated with practical work
15% short-term test
60% final exam

In this subject the generic competences will be evaluated:
- Effective oral and written communication (Intermediate Level)
- Experimentality and knowledge of instrumentation (Intermediate Level)

BIBLIOGRAPHY

Basic: