230047 - DAT - Network Application Design

Coordinating unit: 230 - ETSETB - Barcelona School of Telecommunications Engineering
Teaching unit: 744 - ENTEL - Department of Network Engineering
Academic year: 2019
Degree: BACHELOR'S DEGREE IN NETWORK ENGINEERING (Syllabus 2010). (Teaching unit Compulsory)
BACHELOR'S DEGREE IN TELECOMMUNICATIONS TECHNOLOGIES AND SERVICES ENGINEERING (Syllabus 2015). (Teaching unit Optional)
BACHELOR'S DEGREE IN TELECOMMUNICATIONS SCIENCE AND TECHNOLOGY (Syllabus 2010). (Teaching unit Optional)
ECTS credits: 6
Teaching languages: Catalan

Teaching staff
Coordinator: -Fernandez Muñoz, Marcel
Others:

Degree competences to which the subject contributes

Generical:
2. 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.

Transversal:
1. 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.

Learning objectives of the subject

Study load

<table>
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<tr>
<th>Total learning time: 150h</th>
<th>Hours large group: 39h</th>
<th>26.00%</th>
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<tr>
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<td>Hours small group: 26h</td>
<td>17.33%</td>
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<td>Self study: 85h</td>
<td>56.67%</td>
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<td>Content</td>
<td>Learning time: 22h 40m</td>
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| (ENG) Tema 1. Els serveis telemàtics. | Theory classes: 6h  
Laboratory classes: 4h  
Self study : 12h 40m |
| (ENG) Tema 2. Tecnologies de servidors HTTP convencionals. | Learning time: 40h 30m  
Theory classes: 10h 30m  
Laboratory classes: 7h  
Self study : 23h |
| (ENG) Tema 3. Arquitectures de disseny d'aplicacions telemàtiques. | Learning time: 40h 30m  
Theory classes: 10h 30m  
Laboratory classes: 7h  
Self study : 23h |
| (ENG) Tema 4. Tècniques de presentació dinàmica de continguts. | Learning time: 22h 40m  
Theory classes: 6h  
Laboratory classes: 4h  
Self study : 12h 40m |
| (ENG) Tema 5. Tecnologies basades en XML. | Learning time: 22h 40m  
Theory classes: 6h  
Laboratory classes: 4h  
Self study : 12h 40m |
### Planning of activities

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<th>ENG Exercicis</th>
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<tr>
<td>ENG Pràctica de laboratori</td>
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<td>ENG Pràctica de laboratori</td>
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<td>ENG Proves de resposta llarga (Examen Final)</td>
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### Bibliography

**Basic:**


**Complementary:**