

230062 - SC - Communications Software

Coordinating unit: 230 - ETSETB - Barcelona School of Telecommunications Engineering
 Teaching unit: 701 - AC - Department of Computer Architecture
 Academic year: 2016
 Degree: BACHELOR'S DEGREE IN TELECOMMUNICATIONS SCIENCE AND TECHNOLOGY (Syllabus 2010).
 (Teaching unit Compulsory)
 BACHELOR'S DEGREE IN ENGINEERING PHYSICS (Syllabus 2011). (Teaching unit Optional)
 BACHELOR'S DEGREE IN TELECOMMUNICATIONS TECHNOLOGIES AND SERVICES ENGINEERING
 (Syllabus 2015). (Teaching unit Optional)
 ECTS credits: 6 Teaching languages: Catalan

Teaching staff

Coordinator: -

Others:

Degree competences to which the subject contributes

Transversal:

1. THIRD LANGUAGE. Learning a third language, preferably English, to a degree of oral and written fluency that fits in with the future needs of the graduates of each course.
2. TEAMWORK - Level 1. Working in a team and making positive contributions once the aims and group and individual responsibilities have been defined. Reaching joint decisions on the strategy to be followed.

Learning objectives of the subject

Study load

Total learning time: 150h	Hours large group:	39h	26.00%
	Hours small group:	26h	17.33%
	Self study:	85h	56.67%

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Content

(ENG) Introducció al software de comunicacions	<p>Learning time: 4h</p> <p>Theory classes: 1h Laboratory classes: 2h Self study : 1h</p>
(ENG) Patrons arquitectònics i de disseny	<p>Learning time: 32h 10m</p> <p>Theory classes: 7h Laboratory classes: 6h Self study : 19h 10m</p>
(ENG) Aspectes avançats de concurrència	<p>Learning time: 23h 50m</p> <p>Theory classes: 6h Laboratory classes: 4h Self study : 13h 50m</p>
(ENG) Interfícies gràfiques d'usuari	<p>Learning time: 22h 30m</p> <p>Theory classes: 6h Laboratory classes: 4h Self study : 12h 30m</p>
(ENG) Arquitectures de servei bàsiques en comunicacions	<p>Learning time: 11h 20m</p> <p>Theory classes: 3h Laboratory classes: 2h Self study : 6h 20m</p>
(ENG) Programació d'arquitectures no bloquejants	<p>Learning time: 24h</p> <p>Theory classes: 6h Laboratory classes: 4h Self study : 14h</p>



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(ENG) Patrons de disseny de software de comunicacions	Learning time: 14h 40m Theory classes: 3h Laboratory classes: 2h Self study : 9h 40m
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(ENG) Bases de dades	Learning time: 13h 30m Theory classes: 4h Laboratory classes: 2h Self study : 7h 30m
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Planning of activities

(ENG) Proves de resposta llarga (Control)

(ENG) Pràctica de laboratori

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(ENG) Proves de resposta llarga (Examen Final)

Bibliography

Basic:

Buschmann, F. [et al.]. Pattern-oriented software architecture: patterns for concurrent and networked (vol. 2). Chichester: John Wiley & Sons, 1996-2000. ISBN 0471606952.