



Course guides

230062 - SC - Communications Software

Last modified: 12/04/2016

Unit in charge: Barcelona School of Telecommunications Engineering
Teaching unit: 701 - DAC - Department of Computer Architecture.

Degree: BACHELOR'S DEGREE IN TELECOMMUNICATIONS SCIENCE AND TECHNOLOGY (Syllabus 2010). (Compulsory subject).
BACHELOR'S DEGREE IN TELECOMMUNICATIONS TECHNOLOGIES AND SERVICES ENGINEERING (Syllabus 2015). (Optional subject).

Academic year: 2016 **ECTS Credits:** 6.0 **Languages:** Catalan

LECTURER

Coordinating lecturer: -

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.

TEACHING METHODOLOGY

LEARNING OBJECTIVES OF THE SUBJECT

STUDY LOAD

Type	Hours	Percentage
Hours small group	26	17.33
Self study	85	56.67
Hours large group	39	26.00

Total learning time: 150 h

CONTENTS

(ENG) Introducció al software de comunicacions

(ENG) Patrons arquitectònics i de disseny



(ENG) Aspectes avançats de concurrència

(ENG) Interfícies gràfiques d'usuari

(ENG) Arquitectures de servei bàsiques en comunicacions

(ENG) Programació d'arquitectures no bloquejants

(ENG) Patrons de disseny de software de comunicacions

(ENG) Bases de dades

ACTIVITIES

(ENG) Proves de resposta llarga (Control)

(ENG) Pràctica de laboratori

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(ENG) Pràctica de laboratori

(ENG) Pràctica de laboratori

(ENG) Proves de resposta llarga (Examen Final)

GRADING SYSTEM

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.