

## 230160 - SAD - Software for Distributed Applications

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 TELECOMMUNICATIONS TECHNOLOGIES AND SERVICES ENGINEERING (Syllabus 2015). (Teaching unit Optional)  
ECTS credits: 6 Teaching languages: Catalan

### Teaching staff

Coordinator: -Oller Teijon, Francesc

Others:

### 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.

### 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) Tema 1. Classificació de les comunicacions.	Learning time: 16h 25m Theory classes: 2h 15m Laboratory classes: 4h Self study : 10h 10m
(ENG) Tema 2. Col·leccions d'objectes.	Learning time: 18h 10m Theory classes: 3h Laboratory classes: 5h Self study : 10h 10m
(ENG) Tema 3. Entrada/Sortida d'informació.	Learning time: 9h Theory classes: 2h Laboratory classes: 2h Self study : 5h
(ENG) Tema 4. Eines per al disseny de clients.	Learning time: 26h 20m Theory classes: 5h Laboratory classes: 6h Self study : 15h 20m
(ENG) Tema 5. Disseny de servidors.	Learning time: 38h 35m Theory classes: 7h 15m Laboratory classes: 9h Self study : 22h 20m

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### Planning of activities

(ENG) Proves de resposta curta (Control)

(ENG) Proves de resposta llarga (Control)

(ENG) Exercicis

(ENG) Pràctica de laboratori

(ENG) Pràctica de laboratori

(ENG) Pràctica de laboratori

(ENG) Pràctica de laboratori

(ENG) Pràctica de laboratori

(ENG) Proves de resposta llarga (Examen Final)

### Bibliography

#### Basic:

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

Goetz, B. [et al.]. Java concurrency in practice. Upper Saddle River: Addison-Wesley, 2006. ISBN 0321349601.