

## 230113 - COMPLI - Compliance of Electronic Products

Coordinating unit: 230 - ETSETB - Barcelona School of Telecommunications Engineering  
 Teaching unit: 710 - EEL - Department of Electronic Engineering  
 Academic year: 2015  
 Degree: 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)  
 BACHELOR'S DEGREE IN ELECTRONIC SYSTEMS ENGINEERING (Syllabus 2009). (Teaching unit Optional)  
 ECTS credits: 6 Teaching languages: Catalan

### Teaching staff

Coordinator: PERE J RIU  
 Others: FERRAN SILVA

### Learning objectives of the subject

### Study load

Total learning time: 150h	Hours large group:	52h	34.67%
	Self study:	98h	65.33%

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### Content

(ENG) 1. Introducció a la conformitat i fiabilitat dels sistemes electrònics. Marc legislatiu i normatiu.	Learning time: 20h Theory classes: 8h Self study : 12h
(ENG) 2. Models d'anàlisi de risc de productes electrònics.	Learning time: 22h Theory classes: 4h Practical classes: 4h Self study : 14h
(ENG) 3. Fiabilitat dels sistemes electrònics.	Learning time: 28h Theory classes: 4h Practical classes: 4h Self study : 20h
(ENG) 4. Seguretat dels sistemes electrònics.	Learning time: 36h Theory classes: 6h Practical classes: 6h Self study : 24h
(ENG) 5. Compatibilitat Electromagnètica	Learning time: 36h Theory classes: 6h Practical classes: 6h Self study : 24h
(ENG) 6. Assaig físics	Learning time: 8h Theory classes: 2h Practical classes: 2h Self study : 4h

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### Planning of activities

(ENG) EXERCICIS

(ENG) PRESENTACIONS ORALS

(ENG) CONTROLS DE RESPOSTA CURTA

(ENG) EXAMEN DE RESPOSTES LLARGUES

### Bibliography

#### Basic:

Hnatek, E.R. Practical reliability of electronic equipment and products. New York: Marcel Dekker, 2003. ISBN 9780824708320.

Williams, R. EMC for product designers [on line]. 4th ed. Oxford ; Boston: Newnes, 2007 [Consultation: 22/07/2013]. Available on: <<http://www.sciencedirect.com/science/book/9780750681704>>. ISBN 9780750681704.

#### Complementary:

Mitolo, M. Electrical safety of low-voltage systems. McGraw-Hill Professional, 2009. ISBN 9780071508186.