



## Course guide

### 205221 - BDXI - Big Data and Smart Grids

Last modified: 02/04/2024

**Unit in charge:** Terrassa School of Industrial, Aerospace and Audiovisual Engineering  
**Teaching unit:** 709 - DEE - Department of Electrical Engineering.

**Degree:** BACHELOR'S DEGREE IN ELECTRICAL ENGINEERING (Syllabus 2009). (Optional subject).  
BACHELOR'S DEGREE IN INDUSTRIAL ELECTRONICS AND AUTOMATIC CONTROL ENGINEERING (Syllabus 2009). (Optional subject).

**Academic year:** 2024    **ECTS Credits:** 6.0    **Languages:** English

#### LECTURER

**Coordinating lecturer:** ALVARO LUNA ALLOZA

**Others:** Primer quadrimestre:  
ALVARO LUNA ALLOZA - 11

#### TEACHING METHODOLOGY

#### LEARNING OBJECTIVES OF THE SUBJECT

#### STUDY LOAD

Type	Hours	Percentage
Self study	90,0	60.00
Hours medium group	30,0	20.00
Hours large group	30,0	20.00

**Total learning time:** 150 h

#### CONTENTS

##### title english

**Description:**  
content english

**Full-or-part-time:** 11h  
Theory classes: 6h  
Laboratory classes: 3h  
Self study : 2h



#### title english

**Description:**

content english

**Full-or-part-time:** 16h

Theory classes: 4h

Laboratory classes: 2h

Self study : 10h

#### title english

**Description:**

content english

**Full-or-part-time:** 22h

Theory classes: 8h

Laboratory classes: 4h

Self study : 10h

#### title english

**Description:**

content english

**Full-or-part-time:** 22h

Theory classes: 8h

Laboratory classes: 4h

Self study : 10h

#### title english

**Description:**

content english

**Full-or-part-time:** 16h

Theory classes: 4h

Laboratory classes: 2h

Self study : 10h

## ACTIVITIES

#### name english

**Full-or-part-time:** 12h

Practical classes: 2h

Self study: 10h



**name english**

**Full-or-part-time:** 13h

Practical classes: 3h

Self study: 10h

**name english**

**Full-or-part-time:** 17h

Theory classes: 14h

Practical classes: 3h

**name english**

**Full-or-part-time:** 18h

Practical classes: 4h

Self study: 14h

**name english**

**Full-or-part-time:** 13h

Theory classes: 10h

Practical classes: 3h

## GRADING SYSTEM

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