

29642 - Electrical Measurements

Syllabus Information

Academic Year: 2019/20

Subject: 29642 - Electrical Measurements

Faculty / School: 110 - Escuela de Ingeniería y Arquitectura

Degree: 430 - Bachelor's Degree in Electrical Engineering

ECTS: 6.0

Year: 4

Semester: Second semester

Subject Type: Optional

Module: ---

1.General information

1.1.Aims of the course

1.2.Context and importance of this course in the degree

1.3.Recommendations to take this course

2.Learning goals

2.1.Competences

2.2.Learning goals

2.3.Importance of learning goals

3.Assessment (1st and 2nd call)

3.1.Assessment tasks (description of tasks, marking system and assessment criteria)

4.Methodology, learning tasks, syllabus and resources

4.1.Methodological overview

The methodology of the course is based on the following:

- Lectures
- Laboratory sessions
- Written reports
- Problem-solving

4.2.Learning tasks

4.3.Syllabus

The course will address the following topics:

- 1.- Sensors
- 2.- Measuring Instruments: Digital multimeters, oscilloscopes, current clamps
- 3.- Uncertainty
- 4.- Computer-based measurements. SCPI

4.4.Course planning and calendar

Further information concerning the timetable, classroom, office hours, assessment dates, other details and further information regarding this course will be provided on the first day of class or please refer to the EINA (Escuela de Ingeniería y Arquitectura de la Universidad de Zaragoza), website (<http://eina.unizar.es>).

4.5.Bibliography and recommended resources