

28610 - Installations: the Basics

Información del Plan Docente

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| Academic Year | 2018/19 |
| Subject | 28610 - Installations: the Basics |
| Faculty / School | 175 - Escuela Universitaria Politécnica de La Almunia |
| Degree | 422 - Bachelor's Degree in Building Engineering |
| ECTS | 6.0 |
| Year | 2 |
| Semester | First semester |
| Subject Type | Basic Education |

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 learning process designed for this subject is based on the following:

The current subject Installations: the basics is conceived as a stand-alone combination of contents, yet organized into three fundamental and complementary forms, which are: the theoretical concepts of each teaching unit, the solving of problems or resolution of questions and laboratory work, at the same time supported by other activities.

4.2.Learning tasks

The programme offered to the student to help them achieve their target results is made up of the following activities... Involves the active participation of the student, in a way that the results achieved in the learning process are developed,

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not taking away from those already set out, the activities are the following:

- Face-to-face generic activities:

* Theory Classes.

* Practical Classes.

- Generic non-class activities:

* Study and understanding of the theory taught in the lectures.

* Understanding and assimilation of the problems and practical cases solved in the practical classes.

* Preparation of seminars, solutions to proposed problems, etc.

* Preparation of laboratory workshops, preparation of summaries and reports.

* Preparation of the written tests for continuous assessment and final exams.

4.3.Syllabus

The program of the subject includes seven topics:

Topic 1: Principles of Thermodynamics. Thermal expansions and heat transfer (conduction, convection and radiation).

Hygrometry.

Topic 2: Fluid dynamics.

Topic 3: The electric field and direct current circuits. The magnetic field and alternating current circuits. Principles of the electromagnetic induction.

4.4.Course planning and calendar

Class hall sessions & work presentations timetable

The dates of the final exams will be those that are officially published at

<https://eupla.unizar.es/asuntos-academicos/examenes>

The written assessment tests will be related to the following topics:

- Test 1: Topic 1.

- Test 2: Topic 2.

- Test 3: Topic 3.

4.5.Bibliography and recommended resources