

Academic Year/course: 2022/23

63290 - Design of Learning Activities for Industrial and Building Processes

Syllabus Information

Academic Year: 2022/23

Subject: 63290 - Design of Learning Activities for Industrial and Building Processes

Faculty / School: 107 - Facultad de Educación

Degree: 584 -

601 -

ECTS: 8.0

Year: 1

Semester: Second semester

Subject Type: Optional

Module:

1. General information

2. Learning goals

3. Assessment (1st and 2nd call)

4. Methodology, learning tasks, syllabus and resources

4.1. Methodological overview

The learning process that has been designed for this subject is based on the following:

The proposed methodology tries to encourage the student's continued work and focuses on the most practical aspects of the subject, since the subject has an eminently practical nature.

In the sessions with the full group the most theoretical aspects are treated in the form of a master class and are completed with immediate applications: examples-type. These sessions will provide the student with the knowledge and skills to carry out different practical cases. The teacher, after imparting the necessary theoretical concepts, will supervise and guide the cases that the students are developing. These cases have been proposed in such a way that each student will be able to apply different design techniques, management and development of activities in the productive environment of industrial processes throughout the course. The evaluation is focused on the most practical aspects. It is intended to promote both continuous work and individual effort and a plan has been made so that the hours of dedication are balanced each week.

In addition, interesting visits will be made to entities that contribute to the knowledge of the student and talks by specialized professionals.

4.2. Learning tasks

The subject is based on face-to-face activities:

- Lectures, where they will be explained and a presentation of the theoretical foundations of the same will be made.
- Practical classes, which will study, develop and present cases / works related to the theory treated. In these classes, the development of group or individual work is proposed, as well as the development of oral presentations in which the works or cases are exposed and the works are discussed.

- Tutorials will be developed to guide the development of cases / work by students.
- Talks will be developed by professionals related to the teaching of the subject as well as visits to entities related to the subject's syllabus.

Additionally, classroom outings can be made as well as organizing seminars with guest speakers within the subject in order to help achieve the competencies raised

4.3. Syllabus

The course will address the following topics:

- Design and development of different types of activities in the classroom: initial, motivating, discovery, orientation, analysis, and evaluation.
- Design and elaboration of Activities for creative learning
- Design and development of Mobile Learning Activities
- Active and collaborative methodologies
- Use of Resource Sources
- Application of different web application tools in educational environments
- Design and preparation of presentations

4.4. Course planning and calendar

8 ECTS: 200 h / student, with the following distribution:

- Master classes 30
- Practical classes 30
- Directed work 40
- Individual study 97
- Evaluation test 3

The teaching staff undertakes to publish in the first week of teaching the subject, a planned list of the deliveries to be made by the students in order to pass the subject.

4.5. Bibliography and recommended resources

The updated bibliography can be found in the BR of the BUZ.

<http://psfunizar10.unizar.es/br13/egAsignaturas.php?codigo=63290>