

29980 - Management in the industry 4.0

Syllabus Information

Academic Year: 2019/20

Subject: 29980 - Management in the industry 4.0

Faculty / School: 110 - Escuela de Ingeniería y Arquitectura

Degree: 430 - Bachelor's Degree in Electrical Engineering
434 - Bachelor's Degree in Mechanical Engineering
435 - Bachelor's Degree in Chemical Engineering
436 - Bachelor's Degree in Industrial Engineering Technology
438 - Bachelor's Degree in Telecommunications Technology and Services Engineering
439 - Bachelor's Degree in Informatics Engineering
440 - Bachelor's Degree in Electronic and Automatic Engineering
470 - Bachelor's Degree in Architecture Studies
476 -
558 - Bachelor's Degree in Industrial Design and Product Development Engineering
581 - Bachelor's Degree in Telecommunications Technology and Services Engineering

ECTS: 4.0

Year: 4

Semester: 430 - First semester

434 - First semester

435 - First semester

436 - First semester

436 - First semester

436 - First semester

436 - First semester

436 - First semester

436 - First semester

438 - First semester

438 - First semester

438 - First semester

438 - First semester

439 - First semester

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439 - First semester

439 - First semester

439 - First semester

439 - First semester

439 - First semester

440 - First semester

470 - First semester

470 - First semester

476 - First semester

558 - First semester

581 - First 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 followed in this course is oriented towards the achievement of the learning objectives. It is based on participation and the active role of the student favors the development of communication and decision-making skills. A wide range of teaching and learning tasks are implemented, such as lectures, practice sessions, laboratory sessions, autonomous work, and tutorials.

Students are expected to participate actively in the class throughout the semester.

Further information regarding the course will be provided on the first day of class.

4.2.Learning tasks

The course includes the following learning tasks:

- **Lectures** (0.8 ECTS): 20 hours.
- **Problems and technical cases** (0.8 ECTS): 20 hours.
- **Guided assignments** (1.44 ECTS): 36 hours. Case preparation and seminars.
- **Autonomous work and study** (0.8 ECTS): 20 hours.
- **Exams** (0.16 ECTS): 4 hours.

4.3.Syllabus

The course will address the following topics:

- New economic and business environment and implications
- Appropriation of the value of innovations
- Open Innovation
- Technological Ecosystems
- The organization of the digital company
- The strategy in the digital economy
- Marketing in the digital economy

4.4.Course planning and calendar

Further information concerning the timetable, classroom, office hours, assessment dates and other details regarding this course will be provided on the first day of class or please refer to the College of Higher Engineering and Architecture (EINA) website (<https://eina.unizar.es/>) and Moodle.

4.5.Bibliography and recommended resources