

27534 - Production Processes Management

Syllabus Information

Academic year: 2023/24

Subject: 27534 - Production Processes Management

Faculty / School: 109 - Facultad de Economía y Empresa

Degree: 449 - Degree in Finance and Accounting

ECTS: 6.0

Year:

Semester: Second semester

Subject type: Optional

Module:

1. General information

The main goal of this subject is to train students to make decisions in the field of the company's production system.

Managing this system involves design, planning and control of production processes. Therefore, its study requires theoretical knowledge and a practical approach, with the use of tools that help to make the corresponding decisions.

The subject will be developed with a markedly practical orientation, promoting student participation and debate.

These approaches and goals are aligned with some of the Sustainable Development Goals (SDGs) of the United Nations Agenda 2030 (<https://www.un.org/sustainabledevelopment/es/>) specifically, the course will contribute to the achievement of the goals:

Goal 4: Quality Education. Goal 4.3.

Goal 8: Decent Work and Economic Growth Goal 8.2. Goal 8.3.

2. Learning results

In order to pass this subject, the student must demonstrate the following results:

1. Know how to define and integrate the basic concepts related to the productive activity of the company and its relationship with other functional areas.
2. Apply complex techniques and tools to solve problems in the production area, identifying relevant variables.
3. Know and integrate the key elements of the decision making process in the production area.
4. To know how to determine the economic implications derived from the choice of the production process.
5. Know how to adapt to dynamic environments and apply more innovative management techniques to these environments.

3. Syllabus

UNIT 1. THE PRODUCTION PROCESS AND ITS CHOICE

UNIT 2. LOCATION OF THE PRODUCTION SYSTEMS AND THEIR PLANTS

UNIT 3. DISTRIBUTION OF THE PRODUCTION PLANT

UNIT 4. CAPACITY AND EFFICIENCY. ECONOMIC IMPLICATIONS

UNIT 5. THE HUMAN FACTOR IN PRODUCTION

UNIT 6. PRODUCTION PLANNING AND SCHEDULING

UNIT 7. PROCUREMENT AND INVENTORY MANAGEMENT

UNIT 8. QUALITY MANAGEMENT

4. Academic activities

Theoretical classes. The lecture will be used, fundamentally, to present the contents of the subject: 30 hours

Practical classes. They allow to put into practice the knowledge acquired with the theory and to show the capacity to work in groups and the interpersonal communication skills (in order to have a real vision of what is explained in theory, visits to companies with productive plants will be arranged): 30 hours

Assessment tests. 2 hours

Personal study. 88 hours

In principle, the teaching methodology and its evaluation is planned to be based on face-to-face classes . However, if circumstances so require, they may be carried out online.

5. Assessment system

In the **first call** the student will be able to opt for continuous and/or global evaluation.

In the **second call**, the student will be submitted to a global evaluation.

Continuous Assessment. It consists of:

- *Preparation and presentation of individual or pair work* (depending on the number of students enrolled). The work will consist of the application of some of the techniques learned in the course to a real company or company created by the student with real information. In the second week of the course, the work to be done by each person/pair will be assigned and the date of delivery and exhibition of the same.

- *Exercise deliveries.* The teacher, at the end of a section or topic of the program, will order the completion of exercises or cases. The student must hand them in solved at the next practical class or on the date indicated by the teacher. Professor will ask for *volunteers* for your presentation.

- *Theoretical test* on the course syllabus (multiple choice) to be taken at the end of the semester.

Global evaluation. It consists of:

10-question multiple-choice test.

Three practical exercises.

Valuation criteria

Global assessment:

10-question multiple-choice exam (each question 0.4 points-total 4 points).

Test consisting of three practical exercises (each exercise 2 points-total 6 points).

Continuous assessment:

Elaboration and presentation of work: 5 points

Delivery of exercises and exposition: 1 point

Individual theoretical test: 4 points

In the first call, if both evaluation systems are used, the best of the grades obtained will prevail.