

27326 - Production Management

Syllabus Information

Academic year: 2024/25

Subject: 27326 - Production Management

Faculty / School: 109 - Facultad de Economía y Empresa

228 - Facultad de Empresa y Gestión Pública

301 - Facultad de Ciencias Sociales y Humanas

Degree: 448 - Degree in Business Administration and Management

454 - Degree in Business Administration and Management

458 - Degree in Business Administration and Management

ECTS: 6.0

Year: 3

Semester: Second semester

Subject type: Compulsory

Module:

1. General information

The main objective of this subject is to provide students with the necessary tools to effectively administrate and manage the operations decisions within the organizations. This general objective will always consider the agenda 2030 of the United Nations for the Sustainable Objectives for Development, (<https://www.un.org/sustainabledevelopment/es/>). Specifically, the activities of the subject will enhance the consecution of the following objectives: 4.3, 4.4, 4.5, 4.7, 8.6, 9.2, 12.6, 17.10.

Class assistance is highly recommended, as well as participation on the activities and assignments handed-out in class. It is considered that all students on Operations Management properly manage production concepts taught in the subject "Basics of Business Administration and Management"

2. Learning results

Taking this course and passing it enables students to:

- Know, understand and manage theoretical concepts related to Operations Management: definitions, available options for decision making, techniques and models for problem solving.
- Solve problems related with every fundamental aspect linked with the management, organization and administration of functional production decisions.
- Prepare reasoned reports about complex situations involving production departments on real or simulated firms.

3. Syllabus

Topic 1.- Introduction to Operations Management

Topic 2.- Process Design

Topic 3.- Capacity Planning

Topic 4.- Location Decisions.

Topic 5.- Quality Management

Topic 6.- Managing Projects.

Topic 7.- Supply Chain Management.

Topic 8.- Managing Inventory.

4. Academic activities

Lectures: Sessions in which theoretical concepts of the course will be explained and put into context using real situations and real firms. Participation and feedback will be encouraged with the use of questions and tasks that will help to determine the level of comprehension of the students about the theoretical concepts of the subject.

Practice sessions: Sessions to put into practice the theoretical concepts and to help students develop their skills solving practical exercises and case studies or searching information and elaborating the global reports. It is necessary to previously study theory to get the most of these practice sessions. Students should take notes about the comments and explanations given by the teacher during the resolution of the practices, and not focus only on the numerical solution.

Autonomus work and study: Students work focused on the following activities: critical thinking, concepts study, problema based learning, homework, management report, final exam and tutorials.

Lectures: 30 hours

Practice sessions: 30 hours

Autonomus work and study: 88 hours

Final exam: 2 hours

6 ECTS = 150 hours

All these assignments and activities asre expected to be face to face, but if sanitary circumstances forcé to it, they might be done online or under a mixed system.

5. Assessment system

The student has to show the acquisition of the learning objectives through a GLOBAL assessment that comprises the following assignments:

Active learning and participation. It values the handout of the activities proposed by the teacher. These activities will usually be done and handed out during the lessons and will refer to any part of the subject previously worked. The teacher will use them as a learning and feedback tool, to check which level of listening and understanding students get during the lessons.

Final assignment. This assignment divides into two parts. In the first one, the students must show their acquisition of concepts and vocabulary of the subject by passing a multiple-choice questions exam. Each faculty will perform the multiple-choice question test on a given date. The second part will evaluate the comprehension of the subject, with open questions that may include theoretical questions, theory cases, exercises, and/or practical case studies. In Zaragoza, this part is an exam that will begin 15 minutes after finishing the multiple-choice question test or that will finish 15 minutes before beginning the multiple-choice question test. In Huesca and Teruel, at the beginning of the semester, teachers will tell the students if this part is an exam or a report. It will be one unique alternative for all students and calls at each campus, and the due date will be 10 minutes after finishing the multiple-choice questions test.

Requirements to take into account:

To count the active learning and participation for the final mark, students must hand out at least 80% of the activities on time and under the specifications. Additionally, the student has to get at least a 50% over all the points proposed by the teacher.

To pass the subject students must get at least a five out of ten on their final assignment, with a minimum of 4 points out of ten on each of the two parts of the assignments. Weights are 40% multiple-choice questions and 60% open questions.

Final weights:

For students that have passed the final assignment, their mark will be the MAXIMUM BETWEEN:

20% active learning and participation + 80% final assignment

100% final assignment

For students that have not passed the final assignment, their mark will be the MINIMUM BETWEEN:

100% multiple-choice questions mark

100% open questions mark

The active learning and participation mark is part of both first and second calls. Students on the second call must do both parts of the final assignment even if they have passed one on the first call.

6. Sustainable Development Goals

4 - Quality Education

8 - Decent Work and Economic Growth

12 - Responsible Production and Consumption