

## Production Management

Academic Year: ( 2018 / 2019 )

Review date: 29/03/2017 23:06:45

Department assigned to the subject: null

Coordinating teacher: ZARRAGA OBERTY, CELIA MARIA

Type: Compulsory ECTS Credits : 3.0

Year : 1 Semester : 1

## OBJECTIVES

The Production and Operations (PO) Management implies a number of duties and tasks aiming three main goals:

- Produce at the lowest cost possible
- Produce according to the quality standards defined
- Deliver at the committed time

All PO Management decisions are focused in the fulfillment of these three main goals, and therefore this course will be centralized in the analysis of how PO Management deals with all these issues, what techniques and tools are applied and what are the basic concepts that underline the PO function.

## DESCRIPTION OF CONTENTS: PROGRAMME

1. PO Management introduction
2. PO and Customer needs: Quality and Forecast
3. Strategic Decisions in PO (I): Product and Process
4. Strategic Decisions in PO (II): Location, layout and purchasing
5. Tactical Decisions in PO: Inventory, Planning and Scheduling
6. Human Resources in PO Management

## LEARNING ACTIVITIES AND METHODOLOGY

The course will be based on readings, some exercises, and a final written exam.

Throughout the course, students will be asked to hand in some exercises and are urged to actively participate during every class with their opinions, doubts and comments. Students will be also encouraged to consult different sources of information (webs, journals, career services, etc.).

Notice that a significant part of the course workload will be done within learning teams.

## ASSESSMENT SYSTEM

<b>% end-of-term-examination/test:</b>	60
<b>% of continuous assessment (assignments, laboratory, practicals...):</b>	40

Assessment will be based on a mixture of individual work and the final exam. In determining grades, specific assignments will be weighted as follows:

## ORDINARY CALL

- Individual participation - 15%
- Individual work, team work - 25%
- Final exam - 60%

EXTRAORDINARY CALL. The grade will be the better of the two following alternatives:

## Alternative 1.

- Individual participation - 15%

**% end-of-term-examination/test:** 60

**% of continuous assessment (assignments, laboratory, practicals...):** 40

- Individual work, team work - 25%
- Final exam - 60%

Alternative 2.

- Final exam - 100%

#### BASIC BIBLIOGRAPHY

- Jay Heizer & Barry Render Production and Operations Management, Prentice Hall, 1996