

## Course guides

# 330069 - OP - Operations Management

Last modified: 05/05/2020

**Unit in charge:** Manresa School of Engineering  
**Teaching unit:** 732 - OE - Department of Management.

**Degree:** BACHELOR'S DEGREE IN ELECTRICAL ENGINEERING (Syllabus 2009). (Compulsory subject).  
BACHELOR'S DEGREE IN INDUSTRIAL ELECTRONICS AND AUTOMATIC CONTROL ENGINEERING (Syllabus 2009). (Compulsory subject).  
BACHELOR'S DEGREE IN MECHANICAL ENGINEERING (Syllabus 2009). (Compulsory subject).  
BACHELOR'S DEGREE IN CHEMICAL ENGINEERING (Syllabus 2009). (Compulsory subject).  
BACHELOR'S DEGREE IN INDUSTRIAL ELECTRONICS AND AUTOMATIC CONTROL ENGINEERING (Syllabus 2016). (Compulsory subject).  
BACHELOR'S DEGREE IN MECHANICAL ENGINEERING (Syllabus 2016). (Compulsory subject).  
BACHELOR'S DEGREE IN CHEMICAL ENGINEERING (Syllabus 2016). (Compulsory subject).

**Academic year:** 2020    **ECTS Credits:** 6.0    **Languages:** Catalan, English

### LECTURER

**Coordinating lecturer:** Dr. Fortuny Santos, Jordi

**Others:** Dra. Lujan Blanco, Itziar

### DEGREE COMPETENCES TO WHICH THE SUBJECT CONTRIBUTES

**Specific:**

1. (ENG) Coneixement adient del concepte d'empresa, el seu marc institucional i jurídic. Organització i gestió d'empreses.

**Transversal:**

2. ENTREPRENEURSHIP AND INNOVATION - Level 2. Taking initiatives that give rise to opportunities and to new products and solutions, doing so with a vision of process implementation and market understanding, and involving others in projects that have to be carried out.
3. SELF-DIRECTED LEARNING - Level 2: Completing set tasks based on the guidelines set by lecturers. Devoting the time needed to complete each task, including personal contributions and expanding on the recommended information sources.
4. THIRD LANGUAGE. Learning a third language, preferably English, to a degree of oral and written fluency that fits in with the future needs of the graduates of each course.

### TEACHING METHODOLOGY

### LEARNING OBJECTIVES OF THE SUBJECT

### STUDY LOAD

Type	Hours	Percentage
Self study	90,0	60.00
Hours large group	30,0	20.00
Hours small group	30,0	20.00

**Total learning time:** 150 h



## CONTENTS

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### Description:

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**Full-or-part-time:** 75h

Theory classes: 15h

Laboratory classes: 15h

Self study : 45h

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**Full-or-part-time:** 75h

Theory classes: 15h

Laboratory classes: 15h

Self study : 45h

## ACTIVITIES

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**Full-or-part-time:** 60h

Laboratory classes: 30h

Self study: 30h

### (ENG) 2. EXAMEN ESCRIT

**Full-or-part-time:** 32h

Theory classes: 6h

Self study: 26h

## GRADING SYSTEM

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## BIBLIOGRAPHY

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### Basic:

- Heizer, Jay; Render, Barry. Principles of operations management. Global ed. 9th ed. Upper Saddle River: Pearson education, 2014. ISBN 9780273787082.

### Complementary:

- Jacobs, F. R.; Chase R. B. Operations and supply chain management. Global ed. 14th ed. New York: McGraw-Hill Irwin, 2014. ISBN 9780077151621.

- Monks, Joseph G. Schaum's outline of theory and problems of operations management. 2nd ed. New York: McGraw-Hill, 1996. ISBN 9780070427648.



## RESOURCES

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**Audiovisual material:**

- Vídeos incorporats en el llibre de text o procedents de YouTube. Resource

**Computer material:**

- Full de càlcul