

Course guides

320018 - MOP - Project Oriented Methodology

Last modified: 29/05/2020

Unit in charge: Terrassa School of Industrial, Aerospace and Audiovisual Engineering
Teaching unit: 758 - EPC - Department of Project and Construction Engineering.

Degree: BACHELOR'S DEGREE IN INDUSTRIAL ELECTRONICS AND AUTOMATIC CONTROL ENGINEERING (Syllabus 2009). (Compulsory subject).
BACHELOR'S DEGREE IN ELECTRICAL 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 TEXTILE TECHNOLOGY AND DESIGN ENGINEERING (Syllabus 2009). (Compulsory subject).
BACHELOR'S DEGREE IN INDUSTRIAL DESIGN AND PRODUCT DEVELOPMENT ENGINEERING (Syllabus 2010). (Compulsory subject).

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

LECTURER

Coordinating lecturer: Emilio PEREZ DIEGUEZ i Xavier ALBAREDA SOTERAS

Others:

DEGREE COMPETENCES TO WHICH THE SUBJECT CONTRIBUTES

Specific:

4. IND_COMMON: To know the structure and functions of a project office.
5. DES: Knowledge of writing and presentation of technical papers.
6. DES: Knowledge of methodology, organization and project management
7. DES: Knowledge of regulations, legislation and project pipeline.
8. DES: Perform Capacity for Projects of products, machines, mechanisms, and facilities.
9. DES: Ability to write, develop and manage a comprehensive engineering project in the field of Industrial Design and Product Development
10. (ENG) Capacitat per al maneig d'especificacions, reglaments, normes tècniques i la legislació necessària pel desenvolupament de la professió

Transversal:

2. SUSTAINABILITY AND SOCIAL COMMITMENT - Level 3. Taking social, economic and environmental factors into account in the application of solutions. Undertaking projects that tie in with human development and sustainability.
3. EFFECTIVE USE OF INFORMATION RESOURCES - Level 3. Planning and using the information necessary for an academic assignment (a final thesis, for example) based on a critical appraisal of the information resources used.

TEACHING METHODOLOGY

LEARNING OBJECTIVES OF THE SUBJECT



STUDY LOAD

Type	Hours	Percentage
Hours small group	45,0	30.00
Hours large group	15,0	10.00
Self study	90,0	60.00

Total learning time: 150 h

CONTENTS

(ENG) 1

Description:

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Full-or-part-time: 1h

Theory classes: 1h

(ENG) TEMA 2 ' El procés projectual

Description:

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Full-or-part-time: 1h

Theory classes: 1h

(ENG) TEMA 3 ' Documents tècnics a l'enginyeria. Visió de conjunt.

Description:

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Full-or-part-time: 1h

Theory classes: 1h

(ENG) TEMA 4 ' Reglamentacions i normatives.

Description:

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Full-or-part-time: 1h

Theory classes: 1h

(ENG) TEMA 5 ' El projecte a l'enginyeria.

Description:

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Full-or-part-time: 1h

Theory classes: 1h



(ENG) TEMA 6 ' El projecte com a document executiu.

Description:

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Full-or-part-time: 1h

Theory classes: 1h

(ENG) TEMA 7 - Memòria. I Annexes a la Memòria.

Description:

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Full-or-part-time: 1h

Theory classes: 1h

(ENG) TEMA 8 ' Plànols.

Description:

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Full-or-part-time: 2h

Theory classes: 2h

(ENG) TEMA 9' Pressupost i planning

Description:

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Full-or-part-time: 3h

Theory classes: 3h

(ENG) TEMA 10- Plec de Condicions.

Description:

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Full-or-part-time: 1h

Theory classes: 1h

(ENG) TEMA 11 ' La Direcció d'Obra.

Description:

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Specific objectives:

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Full-or-part-time: 1h

Theory classes: 1h



(ENG) TEMA 12 ' Ètica, professió i sostenibilitat.

Description:

Full-or-part-time: 1h

Theory classes: 1h

ACTIVITIES

(ENG) - TREBALLS PRÀCTICS

Full-or-part-time: 45h

Laboratory classes: 45h

GRADING SYSTEM

BIBLIOGRAPHY

Basic:

- Piquer Chanzá, José S. El proyecto en ingeniería y arquitectura. 3ª ed. Barcelona: CEAC, 1990. ISBN 8432920061.
- Heredia Scasso, R. de. Arquitectura y urbanismo industrial: diseño y construcción de plantas, edificios y polígonos industriales. 2ª ed. Madrid: ETSII, 1981. ISBN 8474840171.