

320018 - MOP - Project Oriented Methodology

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| Coordinating unit: | 205 - ESEIAAT - Terrassa School of Industrial, Aerospace and Audiovisual Engineering |
| Teaching unit: | 758 - EPC - Department of Project and Construction Engineering |
| Academic year: | 2019 |
| Degree: | BACHELOR'S DEGREE IN INDUSTRIAL DESIGN AND PRODUCT DEVELOPMENT ENGINEERING (Syllabus 2010). (Teaching unit Compulsory) BACHELOR'S DEGREE IN ELECTRICAL ENGINEERING (Syllabus 2009). (Teaching unit Compulsory) BACHELOR'S DEGREE IN MECHANICAL ENGINEERING (Syllabus 2009). (Teaching unit Compulsory) BACHELOR'S DEGREE IN CHEMICAL ENGINEERING (Syllabus 2009). (Teaching unit Compulsory) BACHELOR'S DEGREE IN TEXTILE TECHNOLOGY AND DESIGN ENGINEERING (Syllabus 2009). (Teaching unit Compulsory) BACHELOR'S DEGREE IN INDUSTRIAL ELECTRONICS AND AUTOMATIC CONTROL ENGINEERING (Syllabus 2009). (Teaching unit Compulsory) |
| ECTS credits: | 6 |
| Teaching languages: | Catalan, Spanish |

Teaching staff

Coordinator: Emilio PEREZ DIEGUEZ i Xavier ALBAREDA SOTERAS

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.

Learning objectives of the subject



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Study load

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| Total learning time: 150h | Hours large group: | 15h | 10.00% |
| | Hours medium group: | 0h | 0.00% |
| | Hours small group: | 45h | 30.00% |
| | Guided activities: | 6h | 4.00% |
| | Self study: | 84h | 56.00% |

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Content

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| (ENG) 1 | Learning time: 1h Theory classes: 1h |
| Description: . | |
| (ENG) TEMA 2 ' El procés projectual | Learning time: 1h Theory classes: 1h |
| Description: . | |
| (ENG) TEMA 3 ' Documents tècnics a l'enginyeria. Visió de conjunt. | Learning time: 1h Theory classes: 1h |
| Description: . | |
| (ENG) TEMA 4 ' Reglamentacions i normatives. | Learning time: 1h Theory classes: 1h |
| Description: . | |
| (ENG) TEMA 5 ' El projecte a l'enginyeria. | Learning time: 1h Theory classes: 1h |
| Description: . | |
| (ENG) TEMA 6 ' El projecte com a document executiu. | Learning time: 1h Theory classes: 1h |
| Description: . | |

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| (ENG) TEMA 7 - Memòria. I Annexes a la Memòria. | Learning time: 1h Theory classes: 1h |
| Description: . | |
| (ENG) TEMA 8 ' Plànols. | Learning time: 2h Theory classes: 2h |
| Description: . | |
| (ENG) TEMA 9' Pressupost i planning | Learning time: 3h Theory classes: 3h |
| Description: . | |
| (ENG) TEMA 10- Plec de Condicions. | Learning time: 1h Theory classes: 1h |
| Description: . | |
| (ENG) TEMA 11 ' La Direcció d'Obra. | Learning time: 1h Theory classes: 1h |
| Description: . Specific objectives: . | |

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| (ENG) TEMA 12 ' Ètica, professió i sostenibilitat. | Learning time: 1h Theory classes: 1h |
| Description: | |

Planning of activities

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| (ENG) - TREBALLS PRÀCTICS | Hours: 45h Laboratory classes: 45h |
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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.

Others resources: