

330139 - DAO - Computer-Aided Design

Coordinating unit:	330 - EPSEM - Manresa School of Engineering
Teaching unit:	717 - EGE - Department of Engineering Presentation
Academic year:	2019
Degree:	BACHELOR'S DEGREE IN MECHANICAL ENGINEERING (Syllabus 2016). (Teaching unit Optional) BACHELOR'S DEGREE IN MECHANICAL ENGINEERING (Syllabus 2009). (Teaching unit Optional)
ECTS credits:	6
Teaching languages:	Catalan, Spanish

Teaching staff

Coordinator:	Villar Ribera, Ricardo
Others:	Villar Ribera, Ricardo

Degree competences to which the subject contributes

Specific:

1. (ENG) Desenvolupament del llenguatge gràfic propi dels mecanismes, màquines i instal·lacions a l'àmbit de l'enginyeria industrial.
2. (ENG) Introducció a l'ús de les aplicacions de l'enginyeria gràfica i el disseny assistit per ordinador.
3. (ENG) Treball en el desenvolupament de projectes enginyerils de manera similar a la que en el futur trobarà a la indústria.

Transversal:

- 07 AAT N3. SELF-DIRECTED LEARNING - Level 3. Applying the knowledge gained in completing a task according to its relevance and importance. Deciding how to carry out a task, the amount of time to be devoted to it and the most suitable information sources.
- 04 COE N3. EFFICIENT ORAL AND WRITTEN COMMUNICATION - Level 3. Communicating clearly and efficiently in oral and written presentations. Adapting to audiences and communication aims by using suitable strategies and means.
- 01 EIN N3. ENTREPRENEURSHIP AND INNOVATION - Level 3. Using knowledge and strategic skills to set up and manage projects. Applying systemic solutions to complex problems. Devising and managing innovation in organizations.

Learning objectives of the subject

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Study load

Total learning time: 150h	Hours large group:	0h	0.00%
	Hours medium group:	0h	0.00%
	Hours small group:	60h	40.00%
	Guided activities:	0h	0.00%
	Self study:	90h	60.00%

Content

title english	Learning time: 30h Laboratory classes: 12h Self study : 18h
Description: content english	
title english	Learning time: 40h Laboratory classes: 16h Self study : 24h
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Planning of activities

name english	Hours: 30h Laboratory classes: 12h Self study: 18h
name english	Hours: 40h Laboratory classes: 16h Self study: 24h
name english	Hours: 40h Laboratory classes: 16h Self study: 24h
name english	Hours: 40h Laboratory classes: 16h Self study: 24h
name english	Hours: 5h Laboratory classes: 2h Self study: 3h
name english	Hours: 5h Laboratory classes: 2h Self study: 3h

Bibliography

Basic:

Hernández Abad, Francisco. Ingeniería gráfica : introducción a la normalización. 2a ed. Terrassa: ETSEIAT, Departamento de Expresión Gráfica en la Ingeniería, 2006. ISBN 8460946592.

Complementary:

Félez, Jesús; Martínez, María Luisa. Dibujo industrial. 3a ed. Madrid: Síntesis, 1999. ISBN 8477383316.

Félez, Jesús; Martínez, María Luisa. Ingeniería gráfica y diseño. Madrid: Síntesis, DL 2008. ISBN 9788497564991.

Others resources: