

Course guide

330139 - DAO - Computer-Aided Design

Last modified: 04/05/2023

Unit in charge: Manresa School of Engineering
Teaching unit: 750 - EMIT - Department of Mining, Industrial and ICT Engineering.
Degree: BACHELOR'S DEGREE IN MECHANICAL ENGINEERING (Syllabus 2009). (Optional subject).
Academic year: 2023 **ECTS Credits:** 6.0 **Languages:** Catalan

LECTURER

Coordinating lecturer: Pregonas Sarrà, Jaume
Others: Puig Tomas, Roger
Lopez Martinez, Joan Antoni

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. Introduction to the use of graphic engineering and computer aided design applications.
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.

TEACHING METHODOLOGY

LEARNING OBJECTIVES OF THE SUBJECT

STUDY LOAD

Type	Hours	Percentage
Self study	90,0	60.00
Hours small group	60,0	40.00

Total learning time: 150 h



CONTENTS

title english

Description:

content english

Full-or-part-time: 30h

Laboratory classes: 12h

Self study : 18h

title english

Description:

content english

Full-or-part-time: 40h

Laboratory classes: 16h

Self study : 24h

title english

Description:

content english

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ACTIVITIES

name english

Full-or-part-time: 30h

Laboratory classes: 12h

Self study: 18h

name english

Full-or-part-time: 40h

Laboratory classes: 16h

Self study: 24h



name english

Full-or-part-time: 40h
Laboratory classes: 16h
Self study: 24h

name english

Full-or-part-time: 40h
Laboratory classes: 16h
Self study: 24h

name english

Full-or-part-time: 5h
Laboratory classes: 2h
Self study: 3h

name english

Full-or-part-time: 5h
Laboratory classes: 2h
Self study: 3h

GRADING SYSTEM

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. Ingeniería gráfica y diseño. Madrid: Síntesis, DL 2008. ISBN 9788497564991.
- Félez, Jesús; Martínez, María Luisa. Dibujo industrial. 3a ed. Madrid: Síntesis, 1999. ISBN 8477383316.