

330514 - DAOCAD - Computer-Aided Design (Cad)

Coordinating unit: 330 - EPSEM - Manresa School of Engineering
Teaching unit: 717 - EGE - Department of Engineering Presentation
Academic year: 2019
Degree: BACHELOR'S DEGREE IN AUTOMOTIVE ENGINEERING (Syllabus 2017). (Teaching unit Compulsory)
ECTS credits: 3 Teaching languages: Catalan, Spanish

Teaching staff

Coordinator: Puig Tomas, Roger

Degree competences to which the subject contributes

Basic:

CB1. The students have demonstrated to possess and to understand knowledge in an area of study that starts from the base of the general secondary education, and is usually found to a level that, although it relies on advanced textbooks, also includes some aspects that involve knowledge from the vanguard of their field of study.

CB2. Students can apply their knowledge to their work or vocation in a professional way and possess the skills that are usually demonstrated through the elaboration and defense of arguments and problem solving within their area of study.

Specific:

CE5. Spatial vision capacity and knowledge of graphic representation techniques, both by traditional methods of metric geometry and descriptive geometry, and by computer aided design applications.

Generical:

CG3. Knowledge in basic and technological subjects that will enable them to learn new methods and theories and give them the versatility to adapt to new situations.

Transversal:

1. EFFICIENT ORAL AND WRITTEN COMMUNICATION - Level 2. Using strategies for preparing and giving oral presentations. Writing texts and documents whose content is coherent, well structured and free of spelling and grammatical errors.
2. 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.
3. 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.

Learning objectives of the subject

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Study load

Total learning time: 75h	Hours large group:	0h	0.00%
	Hours medium group:	0h	0.00%
	Hours small group:	30h	40.00%
	Guided activities:	0h	0.00%
	Self study:	45h	60.00%

Content

title english	Learning time: 15h Practical classes: 6h Self study : 9h
Description: content english	

title english	Learning time: 60h Practical classes: 24h Self study : 36h
Description: content english	

Planning of activities

name english	Hours: 15h Practical classes: 6h Self study: 9h
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name english	Hours: 60h Practical classes: 24h Self study: 36h
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Bibliography

Basic:

Hernández Abad, Francisco, i altres. 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. rev. Madrid: Síntesis, 1999. ISBN 8477383316.

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

Others resources: