Course guide
330123 - EGR - Engineering Graphics

Last modified: 25/04/2024

Unit in charge: Manresa School of Engineering
Teaching unit: 717 - DEGD - Department of Engineering Graphics and Design.

Degree: BACHELOR'S DEGREE IN MECHANICAL ENGINEERING (Syllabus 2009). (Compulsory subject).
BACHELOR'S DEGREE IN MECHANICAL ENGINEERING (Syllabus 2016). (Compulsory subject).

Academic year: 2024 **ECTS Credits:** 6.0 **Languages:** Catalan, Spanish

LECTURER

Coordinating lecturer: Villar Ribera, Ricardo

Others:

DEGREE COMPETENCES TO WHICH THE SUBJECT CONTRIBUTES

Specific:
1. Acquisition of the graphic language of mechanisms, machines and facilities in the field of industrial engineering.
2. Training to solve graphic, three-dimensional and two-dimensional design problems.
3. Introduction to the use of graphic engineering and computer aided design applications.

Transversal:
4. TEAMWORK - Level 3. Managing and making work groups effective. Resolving possible conflicts, valuing working with others, assessing the effectiveness of a team and presenting the final results.
5. 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.
6. 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.

TEACHING METHODOLOGY

LEARNING OBJECTIVES OF THE SUBJECT

STUDY LOAD

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

Total learning time: 150 h

CONTENTS

english description

Description:
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Full-or-part-time: 74h
Theory classes: 8h
Laboratory classes: 21h
Self study : 45h

title english

Description:
content english

Full-or-part-time: 73h
Theory classes: 7h
Laboratory classes: 21h
Self study : 45h

GRADING SYSTEM

BIBLIOGRAPHY

Basic:
- Hernández Abad, F., et al. Ingeniería gráfica : introducción a la normalización. 2ª ed. Terrassa: ETSEIAT, Departamento de Expresión Gráfica en la Ingeniería, 2006. ISBN 8460946592.

Complementary:
- Félez, J. ; Martínez, M. L. Dibujo industrial. 3ª ed. Madrid: Síntesis, 1999. ISBN 8477383316.
- Félez, J. ; Martínez, M. L. Ingeniería gráfica y diseño. Madrid: Síntesis, 2008. ISBN 9788497564991.

RESOURCES

Other resources:
Spanish Association for Standardization and Certification. (2009). Technical drawing (4th ed.) - CD. Madrid: Aenor.