Course guide
205265 - AI - Advanced Informatics

Last modified: 31/07/2025

Unit in charge: Terrassa School of Industrial, Aerospace and Audiovisual Engineering
Teaching unit: 749 - MAT - Department of Mathematics.
712 - EM - Department of Mechanical Engineering.
739 - TSC - Department of Signal Theory and Communications.
715 - EIO - Department of Statistics and Operations Research.
748 - FIS - Department of Physics.
758 - EPC - Department of Project and Construction Engineering.

Degree: BACHELOR'S DEGREE IN INDUSTRIAL TECHNOLOGY ENGINEERING (Syllabus 2010). (Compulsory subject).

Academic year: 2025 **ECTS Credits:** 4.5 **Languages:** Catalan

LECTURER

Coordinating lecturer: Consul Porras, M. Nieves
Vallverdu Bayes, Francisco

Others: Albareda Sambola, Maria
Quintero Perez, Guillermo
Rodríguez Villarreal, Ángeles Ivón
Yago Llamas, Daniel

Algunes classes o grups de l'assignatura es faran en català i algunes en castellà. Consulteu l'horari per saber l'idioma concret de cada grup/classe

DEGREE COMPETENCES TO WHICH THE SUBJECT CONTRIBUTES

Specific:
CE03-INDUS. Basic knowledge of computer use and programming, operating systems, databases, and software programs applicable to engineering. (Basic training module)

Generical:
CG03-INDUS. Knowledge in basic and technological subjects that enable them to learn new methods and theories and provide them with versatility to adapt to new situations.

Basic:
CB1. That students have demonstrated possession and understanding of knowledge in a field of study that is based on general secondary education, and is typically found at a level that, while supported by advanced textbooks, also includes some aspects that involve knowledge from the forefront of their field of study.

TEACHING METHODOLOGY

LEARNING OBJECTIVES OF THE SUBJECT

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STUDY LOAD

Type	Hours	Percentage
Self study	67,5	60.00
Hours medium group	45,0	40.00

Total learning time: 112.5 h

CONTENTS

title english

Description:
content english

Related activities:

Full-or-part-time: 56h 15m
Theory classes: 7h 30m
Laboratory classes: 15h
Self study : 33h 45m

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ACTIVITIES

name english

Full-or-part-time: 48h 45m
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GRADING SYSTEM