![UNIVERSITAT POLITÈCNICA DE CATALUNYA BARCELONATECH]

Course guide
340666 - TMAO - Computer Aided Machine Theory

Last modified: 17/05/2023

Unit in charge:	Vilanova i la Geltrú School of Engineering
Teaching unit:	712 - EM - Department of Mechanical Engineering.

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

Academic year: 2023   **ECTS Credits:** 6.0   **Languages:** Catalan

LECTURER

Coordinating lecturer: JOAN SOLE ROVIRA

Others: JOAN SOLE ROVIRA

PRIOR SKILLS

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DEGREE COMPETENCES TO WHICH THE SUBJECT CONTRIBUTES

Transversal:
04 COE. EFFICIENT ORAL AND WRITTEN COMMUNICATION. Communicating verbally and in writing about learning outcomes, thought-building and decision-making. Taking part in debates about issues related to the own field of specialization.
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.
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.
06 URI N3. EFFECTIVE USE OF INFORMATI0N RESOURCES - Level 3. Planning and using the information necessary for an academic assignment (a final thesis, for example) based on a critical appraisal of the information resources used.

TEACHING METHODOLOGY

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LEARNING OBJECTIVES OF THE SUBJECT

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STUDY LOAD

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

Total learning time: 150 h

CONTENTS

Introduction to microcontroller programming

Description:
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Specific objectives:
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Full-or-part-time: 36h
Theory classes: 16h
Laboratory classes: 4h
Self study : 16h

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Description:
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Full-or-part-time: 39h 20m
Theory classes: 10h
Laboratory classes: 4h
Self study : 25h 20m

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Description:
content english

Full-or-part-time: 35h 20m
Theory classes: 9h
Laboratory classes: 3h
Self study : 23h 20m

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Description:
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Full-or-part-time: 39h 20m
Theory classes: 10h
Laboratory classes: 4h
Self study : 25h 20m

GRADING SYSTEM

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