SUBJECT TEACHING GUIDE

G760 - Manufacturing Processes II

Degree in Mechanical Engineering

Academic year 2022-2023

1. IDENTIFYING DATA					
Degree	Degree in Mechanical Engineering			Type and Year	Optional. Year 4
Faculty	School of Industrial Engineering and Telecommunications				
Discipline	Subject Area: Design and Manufacturing Optional Module: Mechanical Engineering				
Course unit title and code	G760 - Manufacturing Processes II				
Number of ECTS credits allocated	6	Term		Semester based (2)	
Web					
Language of instruction	Spanish	English Friendly	No	Mode of delivery	Face-to-face

Department	DPTO. TRANSPORTES Y TECNOLOGIA DE PROYECTOS Y PROCESOS
Name of lecturer	LAURA CASTAÑON JANO
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Office	E.T.S. de Ingenieros Industriales y de Telecomunicación. Planta: - 3. DESPACHO (S3044)
Other lecturers	MARIANO LAZARO URRUTIA

3.1 LEARNING OUTCOMES

- The students should know about systems in manufacturing processes by CNC programming.
  The students should know about systems in manufacturing processes by CAD-CAM.

4. OBJECTIVES

Ability to develop a program in ISO code for machining of parts in CNC machines by the manual system.
Ability to develop a program in ISO code for machining of parts in CNC machines by the automatic system (CAD-CAM).
Ability to transmit and launch programs in CNC machine.

6. COURSE ORGANIZATION

CONTENTS	
1	Cutting theory and tool-machine
2	Programming machine tools by CNC
3	Automatic programming CAD-CAM

7. ASSESSMENT METHODS AND CRITERIA

Description	Type	Final Eval.	Reassessn	%
Description Laboratory evaluation	Laboratory evaluation	No	Yes	100,00
TOTAL				100,00

Observations

'The remote evaluation of the works, laboratory practical exercises and written tests is foreseen, in the case of a new health alert by COVID-19 making it impossible to carry out the evaluation in person.'

Observations for part-time students

Students enrolled on a part-time basis will be evaluated by an examination in the laboratory on the dates of the official calls.

8. BIBLIOGRAPHY AND TEACHING MATERIALS

BASIC

El Control Numerico en Maquinas Herramientas por Julian Muñoz Marqué.