SUBJECT TEACHING GUIDE

G1569 - Engineering Economics and Management

BILINGUAL UC-CU CIVIL ENGINEERING PROGRAM

Academic year 2025-2026

1. IDENTIFYING DATA					
Degree	BILINGUAL UC-CU CIVIL ENGINEERING PROGRAM			Type and Year	Optional. Year 1
Faculty	School of civil Engineering				
Discipline	Optional Subjects				
Course unit title and code	G1569 - Engineering Economics and Management				
Number of ECTS credits allocated	6	Term		Semester based (2)	
Web					
Language of instruction	English	English Friendly	Yes	Mode of delivery	Face-to-face

Department	DPTO. ADMINISTRACION DE EMPRESAS
Name of lecturer	PEDRO DIAZ SIMAL
E-mail	pedro.diaz@unican.es
Office	Edificio IH Cantabria. Planta: + 2. DESPACHO (228)
Other lecturers	

3.1 LEARNING OUTCOMES
- The student will understand and criticize basic economic analysis applied to engineering and social environment
- The student will asses organizational performance based on individual and collective behaviors
- The student will develop project assesments with economic instruments

4. OBJECTIVES
The student will be familiar with the economic instruments applied to the anlaysis of engineering framework
The students will understand the basic rules of organizationnal behavior
The student will be familiar with the basic investment analysis instruments

6. SUBJECT PROGRAM

CONTENTS	
1	Economic Theory. Macro and Microeconomic Analysis. Introduction
2	Bussines administration principles
3	Engineering economic analysis

7. ASSESSMENT METHODS AND CRITERIA

Description	Type	Final Eval.	Reassessn	%
Midterm exam	Written exam	No	Yes	30,00
End term exam	Written exam	No	Yes	30,00
Class discussion	Others	No	No	10,00
Exercises sheet	Work	No	Yes	30,00
TOTAL				100,00

Observations

Observations for part-time students

The curriculum will be adapted in case of students on partial dedication guaranteeing the competences obtained with limited class attendance.

8. BIBLIOGRAPHY AND TEACHING MATERIALS

BASIC

Economics: Principles, Applications and Tools, 8/e O'Sullivan, Sheffrin, and Perez

Organizational Behavior, 14/E, Robins & Hodges

Engineering Economic Analysis 12 E Donald G. Newnan, Jerome P. Lavelle, and Ted G. Eschenbach