

SUBJECT TEACHING GUIDE

G1725 - CROSS-CURRICULAR SKILLS, VALUES AND COMPETENCES

Double Degree in Physics and Mathematics Degree in Mathematics

Academic year 2021-2022

1. IDENTIFYING DATA					
Degree	Double Degree in Physics and Mathematics Degree in Mathematics			Type and Year	Core. Year 1 Core. Year 1
Faculty	Faculty of Sciences				
Discipline	Module: Linguistic Capacitation in English and Training in Values, Competences and Personal Skills Subject Area: Training in Values, Competences and Personal Skills				
Course unit title and code	G1725 - CROSS-CURRICULAR SKILLS, VALUES AND COMPETENCES				
Number of ECTS credits allocated	6	Term	Semester based (1)		
Web					
Language of instruction	Spanish	English Friendly	No	Mode of delivery	Face-to-face

Department	DPTO. MATEMATICAS, ESTADISTICA Y COMPUTACION
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Other lecturers	ERNESTO ANABITARTE CANO TOMAS MARTIN HERNANDEZ ADOLFO COBO GARCIA RAMON GANDARILLAS PEREZ OLGA MARIA CONDE PORTILLA MARIA TERESA CEBALLOS MERINO ANA FERNANDEZ LAVIADA MARÍA RODRÍGUEZ DEL CASTILLO MARIO MAÑANA CANTELI ROCIO VILAR CORTABITARTE MARÍA ISABEL SILVA ABOY NURIA CORRAL PEREZ

3.1 LEARNING OUTCOMES

- To know the problems related to people with disability and with unequal chances due to gender.
- To understand the debates on fundamental rights, cultural diversity, peace and democracy.
- Team working, with special attention to factors of gender and nationality.
- Skills for search and use of data for university students.
- Competence to value and filter information.
- To develop the habit of listening with empathy.
- Ability to self-organize time.
- Good practices for working in group.
- Adaptation to changes capacity.
- First steps into a numerical, symbolic and algebraic computing tool.
- How to design and write documents with Latex.

4. OBJECTIVES

- To convey to students the relevance of gender equality, multicultural coexistence and sustainable development.
- To be able to search, analyze and filter scientific and cultural information.
- Learn to listen and develop empathy.
- To exercise personal skills for team work.
- To know the basics of a numerical, symbolic and algebraic computing tool.
- To know how to use Latex to prepare technical manuscripts.

6. COURSE ORGANIZATION

CONTENTS

1	Common part: About values and rights.
2	Option A: Introduction to Latex and Matlab.
3	Option A: Personal skills: self esteem, motivation, optimism and resilience.
4	Option A: Search of scientific and technical data.
5	Option B: English language skills

7. ASSESSMENT METHODS AND CRITERIA

Description	Type	Final Eval.	Reassessn	%
Values and rights tests.	Written exam	No	Yes	41,00
Data search test.	Others	No	No	16,00
Communication and presentations skills evaluation.	Others	No	No	11,00
Latex and Matlab evaluations.	Laboratory evaluation	No	Yes	32,00
TOTAL				100,00
Observations				
Observations for part-time students				
Part-time students may choose a single exam evaluation.				

8. BIBLIOGRAPHY AND TEACHING MATERIALS

BASIC

G. Grätzer: First Steps in LaTeX. Birkhäuser, 1999.

G. Grätzer: Math Into LaTeX. Birkhäuser, 2000.

A. Souto Iglesias: Curso básico de programación en MATLAB. Tébar, 2012.