[MNG003] PRODUCTION OF SCIENTIFIC TEXTS

GENERAL INFORMATION

Studies	MASTER DEGREE IN DATA ANALYSIS, CYBERSECURITY AND CLOUD COMPUTING			**Subject**	Methodological Research Foundations
Semester	1	**Course**	2	**Mention / Field of specialisation**	???
Character	OPTIONAL				
Plan	2019	**Modality**	Adapted Face-to-face	**Language**	EUSKARA/CASTELLANO
Credits	3	**Hours/week**	0	**Total hours**	36 class hours + 39 non-class hours = **75 total hours**

PROFESSORS

(No professor appointed)

REQUIRED PREVIOUS KNOWLEDGE

Subjects	Knowledge
(No specific previous subjects required)	*(No previous knowledge required)*

SKILLS

VERIFICA SKILLS

SPECIFIC

MNCE17 - Ability to manage Research, Development, and technological Innovation.

BASIC

M_CB9 - To share knowledge, conclusions and their rationale with specialised and lay audiences in a clear, unambiguous manner

LEARNING RESULTS

RNM005 **[!]** ***Demostrar capacidad para la gestión de la Investigación, Desarrollo e Innovación tecnológica***

LEARNING ACTIVITIES	CH	NCH	TH
Presentation by the teacher in the classroom, in participatory classes, of concepts and procedures associated with the subjects	24 h.	13,5 h.	37,5 h.

EVALUATION SYSTEM	W	MAKE-UP MECHANISMS
Reports on the completion of exercises, case studies, computer exercises, simulation exercises, laboratory exercises, term projects, challenges and problems	100%	*(No mechanisms)*

CH - Class hours: 24 h.
NCH - Non-class hours: 13,5 h.
TH - Total hours: 37,5 h.

RNM006 **[!]** ***Comunicar sus conclusiones y los conocimientos y razones últimas que las sustentan a públicos especializados y no especializados de un modo claro y sin ambigüedades***

LEARNING ACTIVITIES	CH	NCH	TH
Presentation by the teacher in the classroom, in participatory classes, of concepts and procedures associated with the subjects	12 h.	25,5 h.	37,5 h.

EVALUATION SYSTEM	W	MAKE-UP MECHANISMS
Individual written and/or oral tests or individual coding/programming tests	100%	*(No mechanisms)*

CH - Class hours: 12 h.
NCH - Non-class hours: 25,5 h.
TH - Total hours: 37,5 h.

CONTENTS

Presentation.

1. Introduction: LaTex vs. Word-OpenOffice
2. Installation and configuration of LaTeX
3. My first LaTeX document
4. Project: Curriculum Vitae

Structure of a document, the article.

1. Types of documents (book/article/...)
2. Structure of a document, article.
3. Project: Formatting an article.

Bibliographic management.

1. Bibliographic management programs.
2. Jabref
3. Bibtex4Word
4. Project: Use a model of a scientific journal and add bibliography.

Floating Elements, Formulas, and Tables (LaTex & Word)

1. Formula writing (in line, centered).
2. Formatting of tables
3. Cross-references, footnote,...
4. Project: Complete the article with formulas.

Floating elements, graphics (LaTex & Word)

1. Graphics formats, conversion between formats.
2. Graphics generation, (Matlab, OpenOffice,...)
3. Project: add graphics to the article.

Structure of a document, book, thesis.

1. Indexes, general, images, tables,...
2. Structure of the book, chapter, section, page numbering...
3. Use of multiple files, organization, documentation management (LaTeX).
4. Use of thesis templates at MGEP (LaTeX & Word)

Final work: write a document using MGEP's thesis template.

LEARNING RESOURCES AND BIBLIOGRAPHY

Learning resources
Moodle Platform
Subject notes
Specific Master Software

Bibliography

El libro de LaTeX Bernardo Cascales, Pascual Lucas, José Manuel Mira, Antonio Pallarés y Salvador Sánchez-Pedreño. Prentice Hall, Madrid, 2003. ISBN: 84-205-3779-9

The TeXbook by Donald Knuth [1986] (ISBN: 0-201-13447-0)

The LaTeX companion, 2nd edition Frank Mittelbach, Michel Goossens with Johannes Braams, David Carlisle, and Chris Rowle

Digital typography using LaTeX Apostolos Syropoulos, Antonis Tsolomitis, Nick Sofroniou

The Not So Short Introduction to LaTeX 2e by Oetiker, Partl, Hyna, Schlegl [2008] (ISBN: none) pages: xiv+139.

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