

Goi Eskola Politeknikoa | Mondragon Unibertsitatea

Course: 2023 / 2024 - Course planning



Total:

[MHB202] PRODUCTION OF SCIENTIFIC TEXTS

GENERAL INFORMATION

Studies UNIVERSITY MASTER IN INDUSTRIAL Subject ?

ENGINEERING

Semester 1 Mention / Field of ??? Course 2 specialisation

Character OPTIONAL

Plan 2022 Modality Face-to-face

Language CASTELLANO

Total hours 36 class hours + 39 non-class hours = 75 total Credits 3 Hours/week 2

hours

PROFESSORS

SOLER MALLOL, DANIEL

ASEGUINOLAZA AGUIRRECHE, UNAI

REQUIRED PREVIOUS KNOWLEDGE

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

LEARNING RESULTS							
LEARNING RESULTS	KC	SK	AB	ECTS			
IHRA19 - To demonstrate capacity for the management of technological Research, Development and novation		х		1,5			
HR128 - To communicate your conclusions and the knowledge and ultimate reasons that support them of specialized and non-specialized audiences in a clear and unambiguous way		x		1,5			
			Total:	3			
C: Knowledge or Content / SK: Skills / AB: Abilities							
ENAEE LEARNING RESULTS				ECTS			
ENA125 - Knowledge and comprehension: Critical Possession of avant-garde knowledge of their speciality				0,5			
ENA130 - Analysis in engineering: Ability to identify, formulate and solve engineering problems in emerging areas of their speciality.							
ENA144 - Preparation of judgements: Ability to integrate knowledge and handle complex concepts and formulate judgements with limited or incomplete information, including reflection on ethical and social responsibility related to the application of their knowledge and opinion.							
NA146 - Communication and Teamwork: Ability to employ different methods to communicate their conclusinambiguously, and the knowledge and logical foundations that support them, to audiences specialised are the issue, in domestic and international contexts.				1			
ENA148 - Continued training: Ability to undertake their own continued training independently.				0,5			

SECONDARY LEARNING RESULTS

RAH111 [!] 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	СН	NCH	тн
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 MAKE-UP MECHANISMS Individual written and/or oral tests or individual 100% (No mechanisms) coding/programming tests

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

RAH210 [!] Demostrar capacidad para la gestión de la Investigación, Desarrollo e Innovación tecnológica



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LEARNING ACTIVITIES			СН	NCH	TH	
Presentation by the teacher in the classroom, in participatory procedures associated with the subjects	y classe	es, of concepts and	24 h.	13,5 h.	37,5 h.	
EVALUATION SYSTEM	W	MAKE-UP MECHAN	IISMS			

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.

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

Bibliography

Moodle Platform Subject notes Specific Master Software 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



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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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