

Goi Eskola Politeknikoa | Mondragon Unibertsitatea

Course: 2024 / 2025 - Course planning



0.5

[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

Credits 3 Hours/week 2 Language CASTELLANO

Total hours 36 class hours + 39 non-class hours = 75 total

hours

PROFESSORS

SOLER MALLOL, DANIEL

ASEGUINOLAZA AGUIRRECHE, UNAI

in the issue, in domestic and international contexts.

Subjects Knowledge

(No specific previous subjects required)

(No previous knowledge required)

LEARNING RESULTS				
LEARNING RESULTS	KC	SK	AB	ECTS
MHRA19 - Knowledge and skills for calculating and designing industrial constructions and structures.		х	-	1,5
MHR128 - To communicate your conclusions and the knowledge and ultimate reasons that support them to specialized and non-specialized audiences in a clear and unambiguous way		x		1,5
KC: Knowledge or Content / SK: Skills / AB: Abilities			Total:	3
No. Midwieuge di Content / SN. Skilis / Ab. Abilities				
ENAEE LEARNING RESULTS				ECTS
ENA125 - Knowledge and comprehension: Critical Possession of avant-garde knowledge of their speciality	<i>'</i> .			0,5
ENA130 - Analysis in engineering: Ability to identify, formulate and solve engineering problems in emerging speciality.	g areas	of thei	r	0,5
ENA144 - Preparation of judgements: Ability to integrate knowledge and handle complex concepts and forwith limited or incomplete information, including reflection on ethical and social responsibility related to the knowledge and opinion.		, .		0,5
ENA146 - Communication and Teamwork: Ability to employ different methods to communicate their conclusions, clearly and				1

3 Total:

SECONDARY LEARNING RESULTS

unambiguously, and the knowledge and logical foundations that support them, to audiences specialised and not specialised

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

EVALUATION SYSTEM MAKE-UP MECHANISMS

ENA148 - Continued training: Ability to undertake their own continued training independently.

100% Individual written and/or oral tests or individual (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

NCH ТН СН **LEARNING ACTIVITIES**



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

EVALUATION SYSTEM W MAKE-UP MECHANISMS

Reports on the completion of exercises, case studies. 100%

Reports on the completion of exercises, case studies, computer exercises, simulation exercises, laboratory exercises, term projects, challenges and problems

(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

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

Bibliography

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



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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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