Goi Eskola Politeknikoa | Mondragon Unibertsitatea
Course: 2021 / 2022 - Course planning

Mondragon Unibertsitatea
Goi Eskola Politeknikoa
Escuela Politécnica Superior

[GJP101] SCIENTIFIC AND TECHNICAL ENGLISH

GENERAL INFORMATION

Studies	DEGREE IN MECHATRONICS ENGINEERING			**Subject**	?
Semester	1	**Course**	3	**Mention / Field of specialisation**	
Character	OPTIONAL				
Plan	2020	**Modality**	Adapted Face-to-face	**Language**	ENGLISH
Credits	3	**Hours/week**	2.5	**Total hours**	45 class hours + 30 non-class hours = **75 total hours**

PROFESSORS

AZPI-RUIZ DE ARETXABALETA, ESTI (ML)

REQUIRED PREVIOUS KNOWLEDGE

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

SKILLS

VERIFICA SKILLS

CROSS

GJCTR2 - To be able to understand and apply knowledge to problem solving in complex work situations or specialised and professional environments calling for creative and innovative ideas, using self-developed arguments and procedures;

BASIC

G_CB1 - To have proven to understand and have knowledge in a field of study based on general secondary education at a level found in advanced textbooks and including concepts at the forefront of their field of study.

G_CB3 - To be capable of gathering and interpreting relevant data (normally within their field of study) in order to make judgements, reflecting on relevant matters of a social, scientific or ethical nature

G_CB4 - To be able to communicate information, ideas, problems and solutions to both expert and lay audiences

LEARNING RESULTS

RG304 They define the problem, the development of the solution, as well as the conclusions in an effective way, arguing and justifying each of them, making a correct use of the language, in writing.

LEARNING ACTIVITIES	CH	NCH	TH
Individual study and work, tests and evaluations and check points	6 h.	4 h.	10 h.
Presentation of the teacher in the classroom, in participatory classes, of concepts and procedures associated with the subjects	4,5 h.	3 h.	7,5 h.
Individual and team exercises	4,5 h.	3 h.	7,5 h.
Individual and/or team computer simulation practice	7,5 h.	5 h.	12,5 h.

EVALUATION SYSTEM	W	MAKE-UP MECHANISMS
Individual written and oral tests to assess technical skills of the subject	70%	*(No mechanisms)*
Team oral tests for the evaluation of technical skills of the subject	30%	

CH - Class hours: 22,5 h.
NCH - Non-class hours: 15 h.
TH - Total hours: 37,5 h.

RG305 They define the problem, the development of the solution, as well as the conclusions in an effective way, arguing and justifying each one of them, and making a correct use of the language, orally.

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Presentation of the teacher in the classroom, in participatory classes, of concepts and procedures associated with the subjects	4,5 h.	3 h.	7,5 h.
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CONTENTS

Current issues in Science and Technology

- Analytical skills for reading articles, attending classes, viewing audiovisual programs and discussing current research

- Development of technical vocabulary

- Questions for selecting a research topic

- Searching, gathering, analyzing and organizing information

- Preparation and presentation of posters

Vocabulary for Science and Technology

- Improving pronunciation through guided practice

- Strengthening comprehension through dictations, closed exercises, note taking and other activities

- Focus on commonly used vocabulary and expressions in science and technology

LEARNING RESOURCES AND BIBLIOGRAPHY

Learning resources	Bibliography
Subject notes	*(No bibliography)*
Video projections	