

## [GEP201] SCIENTIFIC AND TECHNICAL ENGLISH

### GENERAL INFORMATION

<b>Studies</b>	DEGREE IN INDUSTRIAL ELECTRONICS ENGINEERING		<b>Subject</b>	LANGUAGES
<b>Semester</b>	1	<b>Course</b>	2	<b>Mention / Field of specialisation</b>
<b>Character</b>	OPTIONAL		<b>Language</b>	ENGLISH
<b>Plan</b>	2017	<b>Modality</b>	Adapted Face-to-face	<b>Total hours</b>
<b>Credits</b>	3	<b>Hours/week</b>	2.5	45 class hours + 30 non-class hours = <b>75 total hours</b>

**Note:** Considerations concerning academic activities: Some teaching activities have been planned to be carried out face to face, others online and others both ways. If physical presence is reduced due to the COVID, some face to face activities will be carried out either online or will be replaced by others.

**Note:** Considerations concerning the assessment system: Assessment criteria percentages or the assessment criteria itself can be modified due to the COVID, if the online context prevails over the physical presence.

### PROFESSORS

AZPI-RUIZ DE ARETXABAETA, ESTI (ML)

### REQUIRED PREVIOUS KNOWLEDGE

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

### SKILLS

#### VERIFICA SKILLS

##### GENERAL

**GECT04** - To be able to take the initiative in problem solving, decision making, creativity, critical thinking, effective communication and the transfer of knowledge and skills in the field of Industrial Electronic Engineering.

##### 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

#### ENAAE LEARNING RESULTS

**ENA103** - Knowledge and comprehension: Awareness of the multidisciplinary context of engineering.

**ENA119** - Communication and Teamwork: Ability to effectively communicate information, ideas, problems and solutions in the field of engineering and with society in general.

### LEARNING RESULTS

**RG204** Define the problem, develop the solution and present the conclusions in a efficient manner, arguing and justifying each one of them 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
Individual written and oral tests to assess technical skills of the subject	70%
Team oral tests for the evaluation of technical skills of the subject	30%

#### MAKE-UP MECHANISMS

(No mechanisms)

**CH - Class hours:** 22,5 h.

**NCH - Non-class hours:** 15 h.

**TH - Total hours:** 37,5 h.

**RG205** Define the problem, develop the solution and present the conclusions in a efficient manner, arguing and justifying each one of them in spoken form.

**LEARNING ACTIVITIES**

	<i>CH</i>	<i>NCH</i>	<i>TH</i>
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**

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**MAKE-UP MECHANISMS**

*(No mechanisms)*

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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**

Subject notes  
 Video projections

**Bibliography**

*(No bibliography)*