

## [GER202] PROFESSIONAL PLACEMENT II

### GENERAL INFORMATION

<b>Studies</b>	DEGREE IN INDUSTRIAL ELECTRONICS ENGINEERING		<b>Subject</b>	PROFESSIONAL PLACEMENT
<b>Semester</b>	2	<b>Course</b>	2	<b>Mention / Field of specialisation</b>
<b>Character</b>	OPTIONAL		<b>Language</b>	EUSKARA
<b>Plan</b>	2017	<b>Modality</b>	Adapted Face-to-face	<b>Total hours</b>
<b>Credits</b>	3	<b>Hours/week</b>	3.17	57 class hours + 18 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

ARANGUREN DERIOZPIDE, JON

### REQUIRED PREVIOUS KNOWLEDGE

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

### SKILLS

#### VERIFICA SKILLS

##### GENERAL

**GECT01** - To be able to draft, sign and develop Industrial Electronics engineering projects with the aim being, in accordance with the acquired knowledge, the construction, renovation, repair, maintenance, demolition, manufacture, installation, assembly and exploitation of structures, mechanical equipment, energy facilities, electric and electronic installations, industrial plants and facilities and manufacturing and automation processes.

**GECT02** - To be able to manage tasks in engineering projects.

**GECT03** - To build on basic concepts and technologies to expand knowledge of new theories and methods, and to acquire flexibility to adapt to new situations

**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.

**GECT05** - Possessing the knowledge for performing measurements, calculations, valuations, estimates, inspections, studies, reports, work plans and other similar tasks.

**GECT06** - Ability to work with mandatory specifications, regulations and standards.

**GECT07** - To be able to analyse and assess the social and environmental impact of technical solutions.

**GECT08** - Ability to apply quality principles and techniques.

**GECT09** - Possessing organisation and planning skills within the environment of the company and other institutions and organisations

**GECT10** - To be able to do their job in multilingual, multidisciplinary environments.

**GECT11** - Possessing the knowledge, understanding and ability to apply the legislation applicable to their work as an industrial engineering technician.

##### CROSS

**GECG01** - To have acquired advanced knowledge and have shown an understanding of the theoretical and practical aspects and of the work methodology in their field of study to a depth which reaches the forefront of knowledge;

**GECG02** - 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;

**GECG03** - To be capable of gathering and interpreting data and information on which to base conclusions including, when necessary and pertinent, reflection on matters of a social, scientific or ethical nature in their field of study;

**GECG04** - To be able to respond adequately in complex situations or situations that call for innovative solutions in both the academic field and work environments within their field of study;

**GECG05** - To clearly and accurately communicate knowledge, methods, ideas, problems and solutions in their field of study to all kinds of audiences, both expert and lay, in different languages.

**GECG06** - To be able to identify their own training needs in their field of study and work environment and to organise their own autonomous learning process in all kinds of contexts (structured or not).

**GECG07** - To be able to do their job in cooperative, participatory environments, with awareness of social responsibility.

#### ENAE LEARNING RESULTS

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

**ENA111** - Practical application of engineering: Understanding of the applicable techniques and methods for analysis, design and research and their limitations in the field of their speciality.

**ENA113** - Practical application of engineering: Knowledge of application of materials, equipment and tools, engineering technology and processes, and their limitations in the field of their speciality.

**ENA114** - Practical application of engineering: Ability to apply standards of engineering practice in their speciality.

**ENA116** - Practical application of engineering: General ideas on economic, organisational and management issues (such as project, risk and change management) in the industrial and business context.

**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

**RG201** They coordinate the work with the rest of the group members, contributing to develop the task to be done and creating a good work atmosphere.

#### LEARNING ACTIVITIES

Practices in real environments

CH

9,5 h.

NCH

3 h.

TH

12,5 h.

#### EVALUATION SYSTEM

W

Technical skills, involvement in the project, finished work, obtained results, handed documentation, presentation and technical defence

80%

Observation of student participation and attitude in the proposed training activities

20%

#### MAKE-UP MECHANISMS

(No mechanisms)

**CH - Class hours:** 9,5 h.

**NCH - Non-class hours:** 3 h.

**TH - Total hours:** 12,5 h.

**RG202** They make decisions and evaluate any possible consequences of the selected alternative.

#### LEARNING ACTIVITIES

Practices in real environments

CH

9,5 h.

NCH

3 h.

TH

12,5 h.

#### EVALUATION SYSTEM

W

Technical skills, involvement in the project, finished work, obtained results, handed documentation, presentation and technical defence

80%

Observation of student participation and attitude in the proposed training activities

20%

#### MAKE-UP MECHANISMS

(No mechanisms)

**CH - Class hours:** 9,5 h.

**NCH - Non-class hours:** 3 h.

**TH - Total hours:** 12,5 h.

**RG203** They Apply methods, techniques, regulations, etc. typical of the engineering profession in familiar contexts.

#### LEARNING ACTIVITIES

Practices in real environments

CH

19 h.

NCH

6 h.

TH

25 h.

#### EVALUATION SYSTEM

W

Technical skills, involvement in the project, finished work, obtained results, handed documentation, presentation and technical defence

80%

Observation of student participation and attitude in the proposed training activities

20%

#### MAKE-UP MECHANISMS

(No mechanisms)

**CH - Class hours:** 19 h.

**NCH - Non-class hours:** 6 h.

**TH - Total hours:** 25 h.

**RG204** Define the problem, develop the solution and present the conclusions in a efficient manner, arguing and justifying each one of them in writing.

<b>LEARNING ACTIVITIES</b>		<i>CH</i>	<i>NCH</i>	<i>TH</i>
Practices in real environments		9,5 h.	3 h.	12,5 h.
<b>EVALUATION SYSTEM</b>		<i>W</i>	<b>MAKE-UP MECHANISMS</b>	
Technical skills, involvement in the project, finished work, obtained results, handed documentation, presentation and technical defence		80%	<i>(No mechanisms)</i>	
Observation of student participation and attitude in the proposed training activities		20%		

**CH - Class hours:** 9,5 h.

**NCH - Non-class hours:** 3 h.

**TH - Total hours:** 12,5 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.

<b>LEARNING ACTIVITIES</b>		<i>CH</i>	<i>NCH</i>	<i>TH</i>
Practices in real environments		9,5 h.	3 h.	12,5 h.
<b>EVALUATION SYSTEM</b>		<i>W</i>	<b>MAKE-UP MECHANISMS</b>	
Technical skills, involvement in the project, finished work, obtained results, handed documentation, presentation and technical defence		80%	<i>(No mechanisms)</i>	
Observation of student participation and attitude in the proposed training activities		20%		

**CH - Class hours:** 9,5 h.

**NCH - Non-class hours:** 3 h.

**TH - Total hours:** 12,5 h.

## CONTENTS

## LEARNING RESOURCES AND BIBLIOGRAPHY

<b>Learning resources</b>	<b>Bibliography</b>
Moodle Platform	<i>(No bibliography)</i>