

[GOH301] QUALITY, SAFETY AND ENVIRONMENT

GENERAL INFORMATION

Studies	DEGREE IN INDUSTRIAL ORGANIZATION ENGINEERING	Subject	STRATEGY AND INNOVATION
Semester	2	Course	2
Character	COMPULSORY	Mention / Field of specialisation	
Plan	2022	Modality	Face-to-face
Credits	4,5	Language	EUSKARA/CASTELLANO
		Hours/week	2.19
		Total hours	39.5 class hours + 73 non-class hours = 112.5 total hours

2030 AGENDA GOALS



PROFESSORS

ZENIGAONAINDIA MURUAMENDIARAZ, NEREA
OTEGUI ALTOLAGUIRRE, JON UNAX

REQUIRED PREVIOUS KNOWLEDGE

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

LEARNING RESULTS

LEARNING RESULTS	KC	SK	AB	ECTS
GOR207 - To use comprehensive management techniques related to safety, quality and the environment, taking into account sustainable development objectives		x		4,02
G-RTR1 - To develop interdisciplinary projects specific to their specialty and of gradual complexity, - becoming aware of respect for human rights and fundamental rights, and analyzing and assessing the impact of the proposed solutions on the SDGs - to acquire and/or apply basic, advanced and/or avant-garde, demonstrating the ability to work in multidisciplinary teams and/or undertake further studies with a high degree of autonomy		x		0,32
G-RTR2 - To express information, ideas and the arguments that support them in an orderly, clear and coherent manner, orally and in writing, based on quality information, self-made or obtained from different sources, using inclusive and non-discriminatory language		x		0,16
Total:				4,5

KC: Knowledge or Content / SK: Skills / AB: Abilities

ENAE LEARNING RESULTS

ENAE LEARNING RESULTS	ECTS
ENAE02 - Knowledge and understanding: A systematic understanding of the key aspects and concepts of their branch of engineering.	1,54
ENAE04 - Knowledge and understanding: To be aware of the multidisciplinary context of engineering.	0,4
ENAE06 - Analysis in engineering: Ability to apply their knowledge and understanding in analysing product, process and method engineering.	0,4
ENAE08 - Engineering projects: Ability to apply their knowledge in the development and completion of projects which meet specific requirements.	0,54
ENAE17 - Transversal competences: To work effectively, both individually and in a team.	0,54
ENAE18 - Transversal competences: To use different methods to communicate effectively with the engineering community and society in general.	0,54
ENAE19 - Transversal competences: Demonstrate that they are aware of the responsibility implied in the practical application of engineering, the social and environmental impact, and show commitment with professional ethics, responsibility and regulations of the practical application of engineering.	0,54
Total:	4,5

SECONDARY LEARNING RESULTS

2RGO290 (2 sem)

LEARNING ACTIVITIES

	CH	NCH	TH
Development and writing of records, reports, presentations, audiovisual material, etc. on projects/work experience/challenges/case studies/experimental investigations carried out individually and/or in teams		3 h.	3 h.

EVALUATION SYSTEM

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

MAKE-UP MECHANISMS

(No mechanisms)

computer exercises, simulation exercises, laboratory exercises, term projects, challenges and problems

CH - Class hours: 0 h.

NCH - Non-class hours: 3 h.

TH - Total hours: 3 h.

2RGO291 (2 sem)

LEARNING ACTIVITIES

CH

NCH

TH

Development and writing of records, reports, presentations, audiovisual material, etc. on projects/work experience/challenges/case studies/experimental investigations carried out individually and/or in teams

3 h.

3 h.

EVALUATION SYSTEM

W

MAKE-UP MECHANISMS

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: 0 h.

NCH - Non-class hours: 3 h.

TH - Total hours: 3 h.

RGO214 [!] Interpreta la legislación básica aplicable en entornos industriales

LEARNING ACTIVITIES

CH

NCH

TH

Development and writing of records, reports, presentations, audiovisual material, etc. on projects/work experience/challenges/case studies/experimental investigations carried out individually and/or in teams

3 h.

12 h.

15 h.

Conducting tests, giving presentations, presenting defences, taking examinations and/or doing checkpoints

1 h.

5 h.

6 h.

Presentation by the teacher in the classroom, in participatory classes, of concepts and procedures associated with the subjects

6 h.

2 h.

8 h.

Carrying out exercises and solving problems individually and/or in teams

1 h.

3 h.

4 h.

Seminars, debates and/or workshops to deepen and/or share experiences.

1 h.

4 h.

5 h.

EVALUATION SYSTEM

W

MAKE-UP MECHANISMS

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

50%

Individual written and/or oral tests or individual coding/programming tests

Presentation and defence of exercises, case studies, computer practical work, simulation practical work, laboratory practical work, term projects, end of degree project, master's thesis, challenges and problems

30%

Individual written and/or oral tests or individual coding/programming tests

20%

CH - Class hours: 12 h.

NCH - Non-class hours: 26 h.

TH - Total hours: 38 h.

RGO215 [!] Desarrolla un sistema integrado de gestión conforme a las normas de referencia y a los los objetivos de desarrollo sostenible

LEARNING ACTIVITIES		CH	NCH	TH
Conducting tests, giving presentations, presenting defences, taking examinations and/or doing checkpoints		4 h.	7 h.	11 h.
Carrying out/resolving projects/challenges/cases, etc. to provide solutions to problems in interdisciplinary contexts, real and/or simulated, individually and/or in teams		8 h.	20 h.	28 h.
Presentation by the teacher in the classroom, in participatory classes, of concepts and procedures associated with the subjects		12,5 h.		12,5 h.
Carrying out exercises and solving problems individually and/or in teams		3 h.	8 h.	11 h.
EVALUATION SYSTEM	W	MAKE-UP MECHANISMS		
Reports on the completion of exercises, case studies, computer exercises, simulation exercises, laboratory exercises, term projects, challenges and problems	50%	Individual written and/or oral tests or individual coding/programming tests		
Presentation and defence of exercises, case studies, computer practical work, simulation practical work, laboratory practical work, term projects, end of degree project, master's thesis, challenges and problems	30%			
Individual written and/or oral tests or individual coding/programming tests	20%			
CH - Class hours: 27,5 h.				
NCH - Non-class hours: 35 h.				
TH - Total hours: 62,5 h.				

2RGO292 (2 sem)				
LEARNING ACTIVITIES		CH	NCH	TH
Carrying out/resolving projects/challenges/cases, etc. to provide solutions to problems in interdisciplinary contexts, real and/or simulated, individually and/or in teams			2 h.	2 h.
EVALUATION SYSTEM	W	MAKE-UP MECHANISMS		
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: 0 h.				
NCH - Non-class hours: 2 h.				
TH - Total hours: 2 h.				

2RGO293 (2 sem)				
LEARNING ACTIVITIES		CH	NCH	TH
Development and writing of records, reports, presentations, audiovisual material, etc. on projects/work experience/challenges/case studies/experimental investigations carried out individually and/or in teams			2 h.	2 h.
EVALUATION SYSTEM	W	MAKE-UP MECHANISMS		
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: 0 h.				
NCH - Non-class hours: 2 h.				
TH - Total hours: 2 h.				

2RGO294 (2 sem)				
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LEARNING ACTIVITIES		CH	NCH	TH
Development and writing of records, reports, presentations, audiovisual material, etc. on projects/work experience/challenges/case studies/experimental investigations carried out individually and/or in teams			2 h.	2 h.
EVALUATION SYSTEM	W	MAKE-UP MECHANISMS		
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: 0 h.

NCH - Non-class hours: 2 h.

TH - Total hours: 2 h.

CONTENTS

-QUALITY-Introduction Management Systemas-Quality infrastructure-Quality management system according to I SO 9001:2015.

-ENVIRONMENT -Environmental aspects and impacts-Environmental management system according to ISO 14001:2015.

-OCCUPATIONAL HEALTH and SAFETY.-Occupational Risk Prevention Law RD31/95.-Occupational Health and Safety Management System in accordance with ISO 45001:2018.

LEARNING RESOURCES AND BIBLIOGRAPHY

Learning resources	Bibliography
[!] <i>Apuntes de la asignatura</i>	http://katalogoa.mondragon.edu/janium-bin/janium_login_opac_re_Ink.pl?grupo=ORGINDUSTRIAL22&ejecuta=50&_ST
[!] <i>Artículos de carácter técnico</i>	
[!] <i>Plataforma Moodle</i>	
[!] <i>Proyección de videos</i>	
[!] <i>Presentaciones en clase</i>	