

Goi Eskola Politeknikoa | Mondragon Unibertsitatea

Course: 2024 / 2025 - Course planning

[GCN301] METHODOLOGICAL FOUNDATIONS

GENERAL INFORMATION

Studies DEGREE IN ENGINEERING IN

ECO-TECHNOLOGY IN INDUSTRIAL PROCESS

Course 1

Modality Face-to-face

Subject INDUSTRIAL PROJECTS

Semester 1

Mention / Field of

Character COMPULSORY

specialisation

Plan 2022

Language EUSKARA

Credits 6 Hours/week 3.44

Total hours 62 class hours + 88 non-class hours = 150 total

hours

2030 AGENDA GOALS



PROFESSORS

HERRERO DORCA, NURIA

REQUIRED PREVIOUS KNOWLEDGE

Subjects Knowledge

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

LEARNING RESULTS

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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

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

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

Total: 6

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

SECONDARY LEARNING RESULTS

1RGC192 (1 sem)

LEARNING ACTIVITIESCHNCHTHDevelopment and writing of records, reports, presentations, audiovisual material, etc. on5 h.17 h.22 h.

100%

projects/work experience/challenges/case studies/experimental investigations carried out individually and/or in teams

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 (No mechanisms)

CH - Class hours: 5 h. NCH - Non-class hours: 17 h. TH - Total hours: 22 h.

1RGC193 (1 sem)

LEARNING ACTIVITIES	СН	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	•	12 h.	12 h.	
Presentation by the teacher in the classroom, in participatory classes, of concepts and procedures associated with the subjects	4 h.		4 h.	

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

4 h.

100%

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

(No mechanisms)

6 h.

10 h.

CH - Class hours: 8 h. NCH - Non-class hours: 18 h. TH - Total hours: 26 h.

1RGC194 (1 sem)

LEARNING ACTIVITIES	СН	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		4 h.	4 h.
Conducting tests, giving presentations, presenting defences, taking examinations and/or doing checkpoints	6 h.	12 h.	18 h.
Presentation by the teacher in the classroom, in participatory classes, of concepts and procedures associated with the subjects	4 h.		4 h.

100%

EVALUATION SYSTEM W MAKE-UP MECHANISMS

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

(No mechanisms)

CH - Class hours: 10 h. NCH - Non-class hours: 16 h. TH - Total hours: 26 h.

1RGC190 (1 sem)

LEARNING ACTIVITIES	СН	NCH	тн
Carrying out/resolving projects/challenges/cases, etc. to provide solutions to problems in interdisciplinary contexts, real and/or simulated, individually and/or in teams	5 h.	13 h.	18 h.
Presentation by the teacher in the classroom, in participatory classes, of concepts and procedures associated with the subjects	10 h.		10 h.
Carrying out exercises and solving problems individually and/or in teams	9 h.	7 h.	16 h.

100%

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

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

CH - Class hours: 24 h. NCH - Non-class hours: 20 h. TH - Total hours: 44 h.

1RGC191 (1 sem)

LEARNING ACTIVITIES	СН	NCH	TH	
Carrying out/resolving projects/challenges/cases, etc. to provide solutions to problems in	5 h.	15 h.	20 h.	

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[!] Proyección de videos

interdisciplinary contexts, real and/or simulated, individua	Illy and/or i	in teams			
Presentation by the teacher in the classroom, in participa procedures associated with the subjects	tory classe	es, of concepts and	4 h.		4 h.
Carrying out exercises and solving problems individually	and/or in te	eams	2 h.	2 h.	4 h.
Role-playing games			4 h.		4 h.
EVALUATION SYSTEM	W	MAKE-UP MECHAN	IISMS		
Reports on the completion of exercises, case studies,	100%		(No mech	anisms)	
computer exercises, simulation exercises, laboratory exercises, term projects, challenges and problems					

CONTENTS

1. Teamwork2. Written communication in the engineering field3. Oral communication in the field of engineering4. POPBL Methodology $5.\ \text{ODS}$

LEARNING RESOURCES AND BIBLIOGRAPHY

Learning resources

[!] Plataforma Moodle
[!] Apuntes de la asignatura
[!] Presentaciones en clase

Bibliography

http://katalogoa.mondragon.edu/janium-bin/janium_login_opac_re_ln
k. pl?grupo=EKOTEKNOLOGIA11&ejecuta=25&_ST