

Escuela Politécnica

Goi Eskola Politeknikoa | Mondragon Unibertsitatea

Course: 2023 / 2024 - Course planning

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Studies DEGREE IN ENERGY ENGINEERING Subject ? Course 3 Mention / Field of

Character COMPULSORY

Modality Face-to-face Language EUSKARA

Plan 2022

Credits 6 Hours/week 3.06 Total hours 55 class hours + 95 non-class hours = 150 total

specialisation

hours

PROFESSORS

DOK-URKIZU AROCENA, JUNE

REQUIRED PREVIOUS KNOWLEDGE

Subjects Knowledge

(No specific previous subjects required)

(No previous knowledge required)

LEARNING RESULTS LEARNING RESULTS KC SK AB **ECTS** GAR302 - Performs measurements of significant variables in energy applications 5.08 G-RTR1 - To develop interdisciplinary projects specific to their specialty and of gradual complexity, -0.44 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 0.48 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:

ТН

4 h.

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

SECONDARY LEARNING RESULTS

RGA390 [!] Definir y gestionar los objetivos y la planificación de un proyecto que le permita adquirir y/o reforzar los conocimientos de tecnologías específicas de su especialidad,- que en ocasiones llegan a la vanguardia del conocimiento- y definir una estrate

100%

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

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)

СН

NCH

CH - Class hours: 0 h. NCH - Non-class hours: 4 h. TH - Total hours: 4 h.

LEARNING ACTIVITIES

RGA391 [!] Coordinar el equipo de trabajo, estimulando la cohesión y buen clima para lograr la integración de todas las personas y su contribución para alcanzar un rendimiento apropiado, tanto a nivel individual como grupal, para el desarrollo del proyecto en

CH NCH TH LEARNING ACTIVITIES Development and writing of records, reports, presentations, audiovisual material, etc. on 4 h

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

EVALUATION SYSTEM MAKE-UP MECHANISMS

Reports on the completion of exercises, case studies, 100% (No mechanisms)

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

CH - Class hours: 0 h. NCH - Non-class hours: 4 h. TH - Total hours: 4 h.

RGA392 [!] Identificar y argumentar de forma precisa los ODS en los que incide el proyecto realizado, aportando posibles acciones para la mejora.

LEARNING ACTIVITIES CH NCH TH

100%

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

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

6 h.

CH - Class hours: 0 h. NCH - Non-class hours: 3 h. TH - Total hours: 3 h.

RGA393 [!] Elabora la memoria del proyecto, aportando argumentos elaborados y haciendo un uso correcto, inclusivo y no discriminatorio del lenguaje.

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

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: 6 h. TH - Total hours: 6 h.

RGA394 [!] Realiza una presentación oral del proyecto, justificando las soluciones propuestas con argumentos elaborados y precisos, y haciendo un uso correcto, inclusivo y no discriminatorio del lenguaje.

LEARNING ACTIVITIES

CH

NCH

TH

Development and writing of records, presentations, audiovisual material, etc. on

6 h. 6 h.

100%

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

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)

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CH - Class hours: 0 h. NCH - Non-class hours: 6 h. TH - Total hours: 6 h.

RGA306 [!] Tiene capacidad para programar aplicaciones en el software Labview.

LEARNING ACTIVITIES	СН	NCH	ТН
Conducting tests, giving presentations, presenting defences, taking examinations an checkpoints	nd/or doing 6 h.	15 h.	21 h.
Presentation by the teacher in the classroom, in participatory classes, of concepts ar procedures associated with the subjects	nd 20 h.		20 h.
Carrying out exercises and solving problems individually and/or in teams	23 h.	15 h.	38 h.
Practical work in workshops and/or laboratories, individually and/or in teams	6 h.	3 h.	9 h.
EVALUATION SYSTEM W MAKE-UP ME	ECHANISMS		

100%

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

(No mechanisms)

CH - Class hours: 55 h. NCH - Non-class hours: 33 h. TH - Total hours: 88 h.

RGA307 [!] Tiene capacidad para medir diferentes variables y procesarlas digitalmente.

LEARNING ACTIVITIES	C	н	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					5 h.
Conducting tests, giving presentations, presenting defences, taking examinations and/or doing checkpoints					5 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					29 h.
EVALUATION SYSTEM		MAKE-UP MECHANISMS			
Reports on the completion of exercises, case studies, 100%		(No mechanisms)			

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

CH - Class hours: 0 h. NCH - Non-class hours: 39 h. TH - Total hours: 39 h.

CONTENTS

LEARNING RESOURCES AND BIBLIOGRAPHY

Learning resources Bibliography

Subject notes

Moodle Platform

Labs

Lab practical training Class presentations

http://katalogoa.mondragon.edu/janium-bin/janium_login_opac_re_ln k.pl?grupo=ENERGIA32&ejecuta=10