

Goi Eskola Politeknikoa | Mondragon Unibertsitatea

Course: 2023 / 2024 - Course planning



Total:

[GML302] QUALITY ENGINEERING

GENERAL INFORMATION										
Subject ?	RING	ECHANICAL ENGINE	DEGREE IN ME	Studies						
Mention / Field of		Course	1	Semester						
specialisation	:	•	COMPULSORY	Character						
Language CASTELLANO/EUSKARA	ace-to-face	Modality	2022	Plan						
Total hours 43 class hours + 32 non-class hours = 75 to	.39	Hours/week	3	Credits						

PROFESSORS

ZENIGAONAINDIA MURUAMENDIARAZ, NEREA

AZPI-ARIZKORRETA ALDASORO, MIKEL (GOIERRI)

LLAGUNO VILLAFAFILA, ARRATE

REQUIRED PREVIOUS KNOWLEDGE

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

hours

LEARNING RESULTS								
LEARNING RESULTS	KC	SK	AB	ECTS				
GMR311 - To apply knowledge of manufacturing systems and processes, metrology and quality control		х		2,56				
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		0,2				
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	_	0,24				

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

ENAEE LEARNING RESULTS

ENA102 - Knowledge and comprehension: Knowledge and comprehension of the engineering disciplines of their speciality, at the level necessary to acquire the rest of the competencies of the degree, including notions of the latest advances.

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

ENA104 - Analysis in engineering: The ability to analyse complex products, processes and systems in their field of study; choose and apply relevant analytical, calculation and experimental methods in a suitable way; and correctly interpret the results of such analyses.

ENA105 - Analysis in engineering: The ability to identify, formulate and solve engineering problems in their speciality; choose and apply adequately established analytical, calculation and experimental methods; and acknowledge the importance of social, health and safety, environmental, economic, and industrial restrictions.

ENA106 - Engineering projects: Ability to project, design and develop complex products (parts, components, finished products, etc.), processes and systems of their speciality, which meet the established requirements, including awareness of the social, health and safety, environmental, economic and industrial aspects, as well as selecting and applying appropriate project methods.

ENA107 - Engineering projects: Project capacity some state-of-the-art knowledge of their engineering speciality.

ENA108 - Research and innovation: Ability to carry out bibliographic searches and consult and use databases and other information sources with discretion, in order to carry out simulation and analysis with the aim of conducting research on technical topics of their speciality.

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

ENA115 - Practical application of engineering: Knowledge of the social, health and safety, environmental, economic and industrial implications of engineering practice.

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.

ENA118 - Preparation of judgements: Ability to manage complex technical or professional activities or projects of their speciality, taking responsibility for decision making.

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

ENA120 - Communication and Teamwork: Ability to operate effectively in domestic and international contexts, individually and as a team, and to cooperate with both engineers and people from other disciplines.

ENA121 - Continued training: Ability to acknowledge the need for their own continued training and to undertake this activity throughout their professional life independently.

ENA122 - Continued training: Ability to stay up to date on science and technology innovations.

CONTENTS



Goi Eskola Politeknikoa | Mondragon Unibertsitatea

Course: 2023 / 2024 - Course planning



LEARNING RESOURCES AND BIBLIOGRAPHY

Learning resourcesBibliographySubject noteshttps://katalogoa.mondragon.edu/janium-bin/sumario.pl?ld=2023090Moodle Platform4151109

Moodle Platform Lab practical training