

**1. General information****Course:** TECHNICAL ENGLISH**Type:** ELECTIVE**Degree:** 419 - UNDERGRADUATE DEGREE PROG. IN MECHANICAL ENGINEERING**Center:** 106 - SCHOOL OF MINING AND INDUSTRIAL ENGINEERING**Year:** 4**Main language:** English**Use of additional languages:****Web site:****Code:** 56433**ECTS credits:** 6**Academic year:** 2023-24**Group(s):** 56**Duration:** C2**Second language:** Spanish**English Friendly:** N**Bilingual:** Y**Lecturer:** MARIA ANGELES CARRASCO GARCIA - Group(s): 56

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**2. Pre-Requisites**

In order to take this course to the maximum advantage, it is recommended that the student has an intermediate level in English.

**3. Justification in the curriculum, relation to other subjects and to the profession**

Mechanical Engineering students need English for use at work in the mechanical field. The key to their success is the engagement in and with the learning process. The course has three purposes:

1. To introduce mechanical engineering students to the contents of engineering.
2. To provide examples of authentic texts and listenings in English.
3. To help students practice the skills they will need in order to study the subject via English and to use it in all the other subjects

**4. Degree competences achieved in this course****Course competences**

Code	Description
CB01	Prove that they have acquired and understood knowledge in a subject area that derives from general secondary education and is appropriate to a level based on advanced course books, and includes updated and cutting-edge aspects of their field of knowledge.
CB02	Apply their knowledge to their job or vocation in a professional manner and show that they have the competences to construct and justify arguments and solve problems within their subject area.
CB03	Be able to gather and process relevant information (usually within their subject area) to give opinions, including reflections on relevant social, scientific or ethical issues.
CB04	Transmit information, ideas, problems and solutions for both specialist and non-specialist audiences.
CB05	Have developed the necessary learning abilities to carry on studying autonomously
CEO21	Capacities to understand, speak and write English related to mechanical engineering
CG10	Capacity to work in a multilingual and multidisciplinary environment.
CT01	Knowledge of a second language.
CT02	Knowledge and application of information and communication technology.
CT03	Ability to communicate correctly in both spoken and written form.

**5. Objectives or Learning Outcomes****Course learning outcomes****Description**

Sufficient knowledge of English to read, understand and write technical texts related to mechanical engineering.

**6. Units / Contents****Unit 1: What is Engineering?****Unit 2: English for Science and Technology****Unit 3: Explaining how technology works****Unit 4: How to write research papers****Unit 5: Solving problems in engineering****Unit 6: Grammar review****7. Activities, Units/Modules and Methodology**

Training Activity	Methodology	Related Competences (only degrees before RD)	ECTS	Hours	As	Com	Description
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Class Attendance (theory) [ON-SITE]	Problem solving and exercises	CB01 CB02 CB03 CB04 CB05 CEO21 CG10 CT01 CT02 CT03	1	25	N		explanation of those theoretical aspects whose understanding is essential for the successful assimilation of the contents of the various units
Problem solving and/or case studies [ON-SITE]	Problem solving and exercises	CB01 CB02 CB03 CB04 CB05 CEO21 CG10 CT01 CT02 CT03	0.6	15	N		Working in small groups, joint contributions are made, which are then presented to the large group and discussed by the whole group.
Laboratory practice or sessions [ON-SITE]	Practical or hands-on activities	CB01 CB02 CB03 CB04 CB05 CEO21 CG10 CT01 CT02 CT03	0.6	15	Y	Y	A short written research paper that will be defended orally and that will serve as a preliminary part of what will be the defence of the Final Year Project
Formative Assessment [ON-SITE]	Assessment tests	CB01 CB02 CB03 CB04 CB05 CEO21 CG10 CT01 CT02	0.2	5	Y	Y	Defence of an oral topic proposed by the lecturer and related to Mechanical Engineering.
Self-study [OFF-SITE]	Self-study	CB01 CB02 CB03 CB04 CB05 CEO21	3.6	90	N		At least one of the assignments will be individual, and the rest will be done cooperatively. They will have to defend it orally. The teacher will supervise all the preparations prior to the oral presentation and will attend the tests prior to the oral defence in class, in order to correct and help to improve the presentation and oral defence. in the preparation of these tests, students will have face-to-face and online tutorials with the teacher to receive feedback.
Total:			6	150			
Total credits of in-class work: 2.4			Total class time hours: 60				
Total credits of out of class work: 3.6			Total hours of out of class work: 90				

As: Assessable training activity

Com: Training activity of compulsory overcoming (It will be essential to overcome both continuous and non-continuous assessment).

8. Evaluation criteria and Grading System			
Evaluation System	Continuous assessment	Non-continuous evaluation*	Description
Final test	50.00%	50.00%	Students are required to take a final oral test, where the skills learnt will be assessed.
Theoretical papers assessment	30.00%	30.00%	Producing a written work related to the competences that have been developed in class.
Assessment of activities done in the computer labs	20.00%	20.00%	Online grammar exercises
<b>Total:</b>	<b>100.00%</b>	<b>100.00%</b>	

According to art. 4 of the UCLM Student Evaluation Regulations, it must be provided to students who cannot regularly attend face-to-face training activities the passing of the subject, having the right (art. 12.2) to be globally graded, in 2 annual calls per subject, an ordinary and an extraordinary one (evaluating 100% of the competences).

#### Evaluation criteria for the final exam:

##### Continuous assessment:

A grade of 4 or higher is compensated by the continuous assessment activities. The overall grade will be equal to or higher than 5 Those mentioned above

##### Non-continuous evaluation:

From 4 onwards, it is compensated with the evaluation activities. A pass mark of 5 is required.

In order to obtain the final grade, the 3 evaluation systems will be computed in a single final exam. The grade obtained in this test will be the final grade of the course.

#### Specifications for the resit/retake exam:

Only the final exam will consist of an oral defence of a topic related to Mechanical Engineering.

#### Specifications for the second resit / retake exam:

Only the final test will be held.

9. Assignments, course calendar and important dates	
Not related to the syllabus/contents	
<b>Hours</b>	<b>hours</b>
Class Attendance (theory) [PRESENCIAL][Problem solving and exercises]	25
Problem solving and/or case studies [PRESENCIAL][Problem solving and exercises]	15
Laboratory practice or sessions [PRESENCIAL][Practical or hands-on activities]	15
Formative Assessment [PRESENCIAL][Assessment tests]	5
Self-study [AUTÓNOMA][Self-study]	90
<b>Global activity</b>	
<b>Activities</b>	<b>hours</b>

Class Attendance (theory) [PRESENCIAL][Problem solving and exercises]	25
Problem solving and/or case studies [PRESENCIAL][Problem solving and exercises]	15
Laboratory practice or sessions [PRESENCIAL][Practical or hands-on activities]	15
Formative Assessment [PRESENCIAL][Assessment tests]	5
Self-study [AUTÓNOMA][Self-study]	90
<b>Total horas: 150</b>	

10. Bibliography and Sources						
Author(s)	Title/Link	Publishing house	Citv	ISBN	Year	Description
Alexander L.G	Longman Advanced Grammar Practice.	Longman.			1999	
Aitken, Rosemary.	Help with Grammar.	Heinemann			1993	
Allene, Tuck.	Oxford Dictionary of Business English.	Oxford University Press			1993	
Atkins, Tony	A dictionary of mechanical engineering /	Oxford University Press,		978-0-19-958743-8	2013	
Bird, John	Mechanical engineering principles	Newnes		0-7506-5228-4	2002	
Chapman E.	English Grammar and Exercises	Longman			1999	
Eastwood, John	A basic English grammar: exercises : with key	Oxford University Press		0-19-432941-0	1984	
Forsyth, Will and Lavender Sue.	Grammar Practive Activities.	Cambridge University Press			1988	
Glendinning, Eric H.	Oxford English for Electrical and Mechanical Engineering	Oxford University Press		0-19-457392-3	2001	
Lindeburg, Michael R.	Practice problems for the mechanical engineering PE exama co	Professional Publications		978-1-59126-130-8	2008	
Sinclair, J. McH.	A course in spoken english: grammar	Oxford University Press		0-19-435215-3	1972	
	Engineering: civil and mechanical engineering	Macmillan		0-02-973660-9	1984	
Dunn, Marian	English for mechanical engineering in higher education studi	Garnet Education		978-1-85964-947-3	2010	