

29998 - Technical English

Información del Plan Docente

Academic Year	2017/18
Faculty / School	110 - Escuela de Ingeniería y Arquitectura
Degree	271 - Bachelor's Degree in Industrial Design and Product Development Engineering 430 - Bachelor's Degree in Electrical Engineering 434 - Bachelor's Degree in Mechanical Engineering 435 - Bachelor's Degree in Chemical Engineering 436 - Bachelor's Degree in Industrial Engineering Technology 438 - Bachelor's Degree in Telecommunications Technology and Services Engineering 439 - Bachelor's Degree in Informatics Engineering 440 - Bachelor's Degree in Electronic and Automatic Engineering 470 - Bachelor's Degree in Architecture Studies 476 - 558 - Bachelor's Degree in Industrial Design and Product Development Engineering
ECTS	4.0
Year	5
Semester	Indeterminate
Subject Type	Optional
Module	---

1.General information

1.1.Introduction

The aim of this subject is to make the students be able to communicate in academic and professional contexts.It attempts to develop an essential competence that will help the future engineer or architect work in international contexts, and enhance their employability.

1.2.Recommendations to take this course

This subject is recommended for all students taking a degree from EINA.

The entrance level is B1 (CEFR) and by the end of the course they will have achieved a higher level.

The course has a professional and academic focus on the study and practise of English, related to a technical environment. Interaction in class will be in English.

Having a good level of general English will be very useful, but that does not mean mastering the technical use of English. Students must learn to communicate effectively in a professional context and to understand the appropriate linguistic conventions and functions for different situations.

1.3.Context and importance of this course in the degree

English is a lingua franca in professional and academic communication. Discourse competence in English is essential for the professional competence. Students of t echnical English must be able to use the English language to develop

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different activities related to their discipline and future career. Given the instrumental nature of this subject, it is particularly suited to collaborations with other subjects from the engineering and architecture degrees. Thus, at the end of their degrees, students will be able to write their dissertations in English. Nor should we forget that there are many students who study abroad thanks to the Erasmus exchange programme and English becomes the language for instruction .

1.4.Activities and key dates

Activities and key dates are announced via Moodle or via written document to be handed out by the lecturer at the beginning of the course. The dates for the final exams are published on the EINA website.

2.Learning goals

2.1.Learning goals

The students will be able to...

- 1: understand and use technical terminology relevant to their professional and academic context.
- 2: use a reasonable level of correction in grammatical structures and functions characteristic of technical communication.
- 3: understand technical documents and their content, find and use information selectively.
- 4: write professional and academic documents, at an intermediate level (following the conventions associated with different types of text and demonstrating a variety of grammatical structures, vocabulary and accuracy).
- 5: perform previously prepared oral presentations on a topic of their speciality, showing an intermediate level of English (fluently, accuracy and wide vocabulary)
- 6: participate in other oral interactions related to their professional context, such as negotiations and telephone conversations, understanding their speakers and expressing themselves with clarity and accuracy.

2.2.Importance of learning goals

It provides added value to all the profiles gathered in Campus Rio Ebro. It is designed so that the student can modify the scientific and technical conventions to be able to find and apply original and effective solutions, that is, to be more efficient.

3.Aims of the course and competences

3.1.Aims of the course

1. Be able to communicate accurately in written and oral discourses, according to the audience and the discourse purpose in academic and professional contexts.
2. To develop strategies for oral and written communication that allow them to prepare, process and present information.

3.2.Competences

- 1: Communicate and transfer knowledge, abilities and skills.
- 2: Work in a multi-disciplinary group and in a multilingual environment.
- 3: Use and express in a second language.
- 4: Learn in a continuous way and develop autonomous learning strategies.
- 5: Use ICTs
- 6: Write reports and documents in English.

4.Assessment (1st and 2nd call)

4.1.Assessment tasks (description of tasks, marking system and assessment criteria)

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CONTINUOUS ASSESSMENT

1. Written assessment (55%)

- a. Reading comprehension activities
- b. Listening comprehension activities
- c. Vocabulary and use of English activities

2. Oral assessment (15%): oral expression and interaction activities. Warning: because of the individual nature of the test, dates and schedules will be different from the written assessment, for organisational reasons.

3. Practical tasks (30 %): Written and oral production actividades.

ASSESSMENT BY FINAL EXAM

1. Written assessment (70%)

- a. Reading comprehension activities
- b. Listening comprehension activities
- c. Vocabulary and use of English activities

2. Oral assessment (30%): oral expression and interaction activities. Warning: because of the individual nature of the test, dates and schedules will be different from the written assessment, for organisational reasons.

Both written and oral assessment are compulsory. In order to pass the subject a total of 50% must be obtained.

In September exams, the assessment is by final exam for all students.

Final exam and second assessment

The percentages are the same as in the first assessment (by final exam), however the student must take only the assessment (written or oral) failed in the first assessment, maintaining the mark obtained in the assessment passed.

5. Methodology, learning tasks, syllabus and resources

5.1. Methodological overview

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Although 20 hours are assigned to theory and 20 hours to practice in this subject, theory and practice will be combined due to the methodological approach applied and the practical nature of the subject. Students will play a very active role in the learning process, working individually and in groups. Apart from the oral and written skills, the students will be able to develop other transversal competences which are expected from engineers and architects such as the capacity for: solving problems, working in teams, analysing and synthesising information, organising and planning and managing information and making decisions.

5.2. Learning tasks

1. Theory sessions: Students will acquire concepts related to the use of English (grammar, vocabulary) in technical English. They will do reading and listening comprehension exercises.
2. Practical sessions: Students will practice and develop oral and written skills in English.

5.3. Syllabus

1. TERMINOLOGY AND SPECIFIC FUNCTIONS RELATED TO THE TECHNICAL FIELD

Processes, materials, properties, functions and applications.

Projects: technical specifications, graphs, tendencies.

Information Technologies, development and research.

2. WRITTEN PRODUCTION AND COMPREHENSION OF PROFESSIONAL AND ACADEMIC TEXTS (CV, letters, e-mails, etc.).

3. ORAL COMMUNICATION IN PROFESSIONAL AND ACADEMIC CONTEXTS

Oral presentations, English in other professional situations (phone conversations, information exchange, etc.)

5.4. Course planning and calendar

In the final assessment, the date for the written test will be set by the Centre.

The calendar for the continuous assessment tests and the tasks will be communicated by the lecturer.

5.5. Bibliography and recommended resources

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|-----------|----------------------------------------------------------------------------------------------------------------------------------------|
| BB | Glendinning, Eric H.. Technology. 1, Student's book / Eric H. Glendinning . - 1st. publ. Oxford [etc.] : Oxford University Press, 2007 |
| BB | Glendinning, Eric H.. Technology. 2 / Eric H. Glendinning and Alison Pohl . Oxford : Oxford University, 2008 |

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- BB** Hollett, Vicki. Tech Talk : Intermediate Student's Book / Vicki Hollett, John Sydes
Oxford : Universtity Press, 2009
- BB** Ibbotson, Mark. Cambridge English for engineering / Mark Ibbotson . - 1st ed., 4th repr. Cambridge : Cambridge University Press, 2010
- BB** Sweeney, Simon. English for business communication. Student's book / Simon Sweeney . - 2nd ed., 9th repr. Cambridge : Cambridge University Press, 2010
- BC** Brieger, Nick. Technical English : vocabulary and grammar / Nick Brieger, Alison Pohl . - 1st ed., reprint.
Summertown, Oxford : Summertown Publishing, 2008
- BC** [Diccionarios - Inglés general] - Hornby, Albert Sydney. Oxford advanced learner's dictionary of current English / A. S. Hornby ; Chief editor Sally Wehmeier ; editors Colin McIntosh ; phonetics editor Michael Ashby . 7th ed. Oxford : Oxford University Press, 2005
- BC** [Diccionarios - Inglés general] - Smith, Collin. Collins spanish dictionary = Collins Universal español- inglés, english-spanish / [general editor, Jeremy Butterfield ; contributors, Tom Bartlett ... [et al.]]. 8ª ed. = 8th ed. Barcelona : Grijalbo ; Glasgow : Harper Collins Publishers, 2005
- BC** [Diccionarios - Inglés general] - The BBI dictionary of English word combinations / compiled by Morton Benson, Evelyn Benson, Robert Ilson . Rev. ed. Amsterdam ; Philadelphia : John Benjamins Publishing Company, cop. 1997
- BC** [Diccionarios - Inglés técnico] - Beigbeder Atienza, Federico. Diccionario politécnico de las lenguas española e inglesa. II, Español-Inglés = Polytechnic dictionary of Spanish and English languages. II, Spanish-English / F. Beigbeder Atienza. 2a. ed. rev. y amp. Madrid : Díaz de Santos, S.A., 2002
- BC** [Diccionarios - Inglés técnico] - Beigbeder Atienza, Federico. Diccionario técnico : Inglés-español español-inglés = Technical dictionary : English-Spanish Spanish-English / F. Beigbeder Atienza . Madrid : Díaz de Santos, D. L. 1995
- BC** [Gramáticas] - Murphy, Raymond. English grammar in use : a self-study reference and practice book for intermediate students of English : with answers / Raymond Murphy . 3rd ed., 17th printing
Cambridge : Cambridge University Press, cop. 2004 (imp. 2011)

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- BC** [Gramáticas] - Swan, Michael. Practical English usage / Michael Swan . 3rd. ed. Oxford : Oxford University Press, 2005
- BC** [Gramáticas] - Thomson, A.J.. A practical English grammar / A.J. Thomson, A.V. Martinet. 1st ed., 19th reimp. Oxford : Oxford University Press, 1999
- BC** Pérez-Llantada Auría, María Carmen. An engineering English course / Carmen Pérez-Llantada Auría, Rocío Aguado Piñero ; prologue, Carmen Olivares Rivera . - 1ª ed. Zaragoza : Mira, 1998
- BC** Pérez-Llantada Auría, María Carmen. Link! interactive [recurso electrónico] : a course in English for science and technology / authors, Carmen Pérez-Llantada Auría, Ramón Plo Alastrué, César García Hernández Zaragoza : Universidad de Zaragoza, 2000