



IDENTIFYING DATA

Technical english 2

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| Subject | Technical english 2 | | | |
| Code | V12G330V01904 | | | |
| Study programme | Degree in Industrial Electronics and Automation Engineering | | | |
| Descriptors | ECTS Credits | Choose | Year | Quadmester |
| | 6 | Optional | 4th | 2nd |
| Teaching language | English | | | |
| Department | | | | |
| Coordinator | Pérez Paz, María Flor García de la Puerta, Marta | | | |
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| General description | This course aims at providing students with a systematic adequacy to develop the appropriate skills for communicating in Technical English at level B1 according to the Common European Framework of Reference for Languages (CEFR). As far as possible, contents will be adapted to the level of each student. | | | |

Competencies

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| Code | |
| B10 | CG10 Ability to work in a multidisciplinary and multilingual environment. |
| D1 | CT1 Analysis and synthesis. |
| D4 | CT4 Oral and written proficiency in a foreign language. |
| D7 | CT7 Ability to organize and plan. |
| D9 | CT9 Apply knowledge. |
| D10 | CT10 Self learning and work. |
| D17 | CT17 Working as a team. |
| D18 | CT18 Working in an international context. |

Learning outcomes

| Expected results from this subject | Training and Learning Results | |
|--|-------------------------------|---|
| To improve students' sense of linguistic awareness of English as a second language, the grammatical and lexical mechanisms and types of expressions. | B10 | D1 D4 D7 D9 D10 D17 D18 |
| Improving students' listening and reading skills, as well as their speaking and writing skills in Technical English at intermediate level (B1). | B10 | D1 D4 D7 D9 D10 D17 D18 |

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| To upgrade students' grammatical and lexical notions of the English language, and the comprehension of basic Technical English structures at B1 level. | B10 | D1 D4 D7 D9 D10 D17 D18 |
| To encourage students to use the English language within the engineering context, and the benefits and usefulness of the English language when applying their grammatical, lexical, and cultural knowledge | B10 | D1 D4 D7 D9 D10 D17 D18 |
| Promoting students' critical autonomy for the comprehension and understanding of dialogues and texts written in Technical English. | B10 | D1 D4 D7 D9 D10 D17 D18 |

Contents

| Topic | |
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| 1. English grammar | UNIT 1 |
| 2. Vocabulary/Use of English | Reading: CO2 and the Greenhouse Effect (or similar related topic). |
| 3. Technical-scientific language | Speaking: Job interviews (part one). |
| 4. Speaking | Speaking: Dates, mathematical expressions, web sites and email addresses, chemical formula. |
| 5. Listening | Speaking: Parts of an oral presentation: Introducing oneself. |
| 6. Reading comprehension | Listening: Repairing a car (or similar related topic). |
| 7. Writing | Writing: Reports. |
| 8. Direct and inverse translation of specific parts of the discourse | Grammar: Present participle and past participle adjectives. |
| 9. Oral presentations | |
| 1. English grammar | UNIT 2 |
| 2. Vocabulary/Use of English | Reading: Using Mobile Phones and Computers to Transmit Information (or similar related topic). |
| 3. Technical-scientific language | Speaking: Giving definitions. |
| 4. Speaking | Speaking: Job interviews (part two). |
| 5. Listening | Speaking: Parts of an oral presentation: Giving purpose. |
| 6. Reading comprehension | Listening: Land windfarms (or similar related topic). |
| 7. Writing | Listening: Off-shore windfarms (or similar related topic). |
| 8. Direct and inverse translation of specific parts of the discourse | Writing: Letter of Motivation. |
| 9. Oral presentations | Grammar: The -ing form at the beginning of a sentence and the formation of nouns. |
| 1. English grammar | UNIT 3 |
| 2. Vocabulary/Use of English | Reading: Running Dry (or similar related topic). |
| 3. Technical-scientific language | Speaking: Job interviews (part three). |
| 4. Speaking | Speaking: Oral presentations: Time Schedule and signposting. |
| 5. Listening | Listening: Scientists say Climate Change is Real and Possible (or similar related topic). |
| 6. Reading comprehension | Listening: Geothermal Energy (or similar related topic). |
| 7. Writing | Grammar: Clauses of reason, purpose, contrast, and result. |
| 8. Direct and inverse translation of specific parts of the discourse | Writing: Descriptions. |
| 9. Oral presentations | |
| 1. English grammar | UNIT 4 |
| 2. Vocabulary/Use of English | Reading: Capturing CO2 is Costly and Difficult (or similar related topic). |
| 3. Technical-scientific language | Speaking: Describing shapes, forms, and materials: comparison and contrast. |
| 4. Speaking | Speaking: Describing devices, machines, components, etc. by its shape, form, and material. |
| 5. Listening | Speaking: Oral Presentations: Indicating the visual aids and handouts used in an oral presentation. |
| 6. Reading comprehension | Listening: Supply Chain (or similar related topic). |
| 7. Writing | Listening: Mobile phones (or similar related topic). |
| 8. Direct and inverse translation of specific parts of the discourse | Grammar: Adverbs of sequence; revision of passive voice; contracted relative clauses. |
| 9. Oral presentations | |

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| 1. English grammar | UNIT 5 |
| 2. Vocabulary/Use of English | Reading: Superconductivity in Orbit (or similar related topic). |
| 3. Technical-scientific language | Speaking: Job interviews (part four). |
| 4. Speaking | Speaking: Oral Presentations: Summing up; concluding; making recommendations and questions; thanking. |
| 5. Listening | Listening: Innovation is Great: Part 1 (or similar related topic). |
| 6. Reading comprehension | Listening: IT-related Problems (or similar related topic). |
| 7. Writing | Listening: Innovation is Great: Part 2 (or similar related topic). |
| 8. Direct and inverse translation of specific parts of the discourse | Grammar: Verb tenses expressing future; contracted time adverbial clauses; order of adjectives. |
| 9. Oral presentations | |
| 1. English grammar | UNIT 6 |
| 2. Vocabulary/Use of English | Reading: Magnets and Electromagnets (or similar related topic). |
| 3. Technical-scientific language | Speaking: Job interview (part five and six). |
| 4. Speaking | Speaking: Oral presentations: Expressing processes: description and report of experiments.. |
| 5. Listening | Listening: Two Great Engineering Innovations (or similar related topic). |
| 6. Reading comprehension | Listening: MIT seeks Moral to the Story of Self-driving Cars (or related topic). |
| 7. Writing | Grammar: Cause and effect: "if" clauses, and noun clauses. |
| 8. Direct and inverse translation of specific parts of the discourse | |
| 9. Oral presentations | |

Planning

| | Class hours | Hours outside the classroom | Total hours |
|----------------------------------|-------------|-----------------------------|-------------|
| Introductory activities | 1 | 0 | 1 |
| Mentored work | 4 | 16 | 20 |
| Autonomous problem solving | 8 | 10 | 18 |
| Autonomous practices through ICT | 5 | 8 | 13 |
| Lecturing | 8 | 15 | 23 |
| Problem and/or exercise solving | 6 | 10 | 16 |
| Essay | 4 | 15 | 19 |
| Objective questions exam | 3 | 5 | 8 |
| Oral exam | 8 | 16 | 24 |
| Objective questions exam | 3 | 5 | 8 |

*The information in the planning table is for guidance only and does not take into account the heterogeneity of the students.

Methodologies

| | Description |
|----------------------------------|---|
| Introductory activities | Activities aimed at presenting the subject, getting in touch with students and gathering information about their previous knowledge on the topic. |
| Mentored work | Analysis and resolution of practical exercises related to the grammatical and lexical contents, and to the communication skills. The students must develop these activities in an autonomous way, specially those homework activities concerning Writing skills. |
| Autonomous problem solving | Activities in which problems are presented and/or exercises related to the subject. The student must develop the analysis and resolution of problems and/or activities concerning the four communicative skills at an individual level, as well as the technical English linguistic skill (Use of English); specially those ones concerning Speaking. |
| Autonomous practices through ICT | Practice of the four communicative skills: listening, speaking, reading and writing, as well as the technical English linguistic skill (Use of English) at an individual or group level. |
| Lecturing | Explanation of linguistic contents and their application (Use of English) for the learning and acquisition of the theoretical contents of the subject. |

Personalized assistance

| Methodologies | Description |
|----------------------------|---|
| Introductory activities | The objective of the introductory activities is to provide general guidance on the subject; to promote learning strategies; to make general notes about the work and exercises, deadlines for the submission of work and the exam dates; and to give advice on how to pass the subject. It is important to know that no tutorials will be done on the telephone or internet (email, Skype, etc.). In case of any doubt or comment, students should contact directly with the professor in the classroom or during tutorial hours. |
| Autonomous problem solving | This activity seeks to help students with the practical exercises related to the communicative skills and the linguistic skills and their application for the learning and acquisition of the theoretical contents of the subject. |
| Mentored work | Practice of the different exercises in relation to the communicative skills and linguistic skills in order to apply English theoretical concepts. |

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| Lecturing | The personalised attention for the master class is focused on the attention of students in the classroom and during tutorial hours. It focuses on the correct comprehension and promotion of the learning of the subject's theoretical concepts, as well as on providing guidance on work and practical exercises and on giving advice on how to pass the subject. |
| Tests | Description |
| Oral exam | The objective of the personalised attention of the oral exam is focused on the preparation, promotion and supervision of the oral expression (Speaking) in the classroom during the course and before the exam. This activity seeks to help the students not only to express themselves with relevance and appropriateness using the topics and vocabulary from the field of engineering, but also with linguistic correction. |

| Assessment | | | | |
|---------------------------------|--|---------------|-------------------------------|-------------------------------------|
| | Description | Qualification | Training and Learning Results | |
| Problem and/or exercise solving | Evaluation of theoretical concepts and their application. Resolution of practical exercises related to the linguistic skill (Use of English) of technical English. | 20 | B10 | D7 D10 D18 |
| Essay | Evaluation of the writing skill. | 16 | B10 | D1 D4 D7 D9 D10 D18 |
| Objective questions exam | Evaluation of the listening skill with engineering-related contents. | 16 | B10 | D4 D9 D10 D18 |
| Oral exam | Evaluation of the speaking skill with engineering-related vocabulary and topics. | 32 | B10 | D1 D4 D7 D10 D17 D18 |
| Objective questions exam | Evaluation of the reading skill with engineering-related topics and vocabulary. | 16 | B10 | D1 D4 D7 D10 D17 D18 |

Other comments on the Evaluation

1. Particular considerations

There are two assessment systems: continuous or final. The selection of a system excludes the other.

1.1. Continuous assessment

In order to qualify for the system of continuous evaluation, students are required to attend 80% of the total lecture hours with academic progress and participation. Students not reaching that percentage will lose this option. The essays and tests done during the course will be worth 100 % of the final assessment for those students choosing the continuous evaluation. The non completion of the assignments requested during the course will be counted as a zero (0.0). The assignments requested must be delivered or submitted by the deadlines and dates marked beforehand.

1.2. Final assessment

Students choosing the final examination will have to take a final overall tests that will take place on the official date established by the School of Industrial Engineering. To this end, students should consult the school's website, where the examination date and time are specified in accordance to students' centre (campus or city) in which they took the subject.

2. Subject's final grade

2.1. Continuous assessment

The final mark for this subject is calculated taking into consideration all the skills practised during the course. Therefore, each one of them is given the following weight in the final grade:

Listening: 16%.

Speaking: 32%.

Reading: 16%.

Writing: 16%.

On the other hand, the practical exercises related to the grammatical and lexical contents and to the communicative skills, and the application of linguistic contents (Use of English) will have a weight of 20% of the mark obtained.

Therefore, both parts (theory and practice) will add up to 100%, being 5 (five) the required mark to pass the subject including all skills and linguistic contents.

Those students who have a fail in one or several skills in the first assessment record must retake the part or parts of the corresponding failed skills in the July exam of the current academic year in order to pass the subject. In case of a second fail, students must take the exam for all skills in future academic skills. Therefore, those passed parts will not be taken into account in the future or subsequent years.

Partial or total plagiarism in any of the assignments or activities will result in an automatic fail of the subject. To claim ignorance of what plagiarism is, will not exempt students of their responsibility in this regard.

2.2. Final Assessment

The final assessment is calculated as follows:

Listening: 16%.

Speaking: 32%.

Reading: 16%.

Writing 16%

On the other hand, the practical exercises related to the grammatical and lexical contents and to the communicative skills, and the application of linguistic contents (Use of English) will have a weight of 20% of the mark obtained. Therefore, both parts (theory and practice) will add up to 100%, being 5 (five) the required mark to pass the subject including all skills and linguistic contents.

Regarding July's test, continuous assessment students will take the exam for the specific parts failed, while final assessment students who failed must take an exam including all the skills and linguistic contents of the subject.

Both continuous and final assessment will take into account not only the relevance and appropriateness of the content of the answers, but also their linguistic correctness.

3. Additional considerations

3.1. During the examinations no dictionaries, notes or electronic devices (mobile phones, tablets, PCs, etc.) will be allowed.

3.2. It is students' responsibility to check all the resources in FAITIC and/or their e-mails, as well as to be aware of examination or submission dates.

3.3. All the above-mentioned comments also pertain to Erasmus students. In the event of not being able to access FAITIC, students must contact the professor to solve the problem.

3.4. Students are requested to have an adequate ethical behaviour. In case of detecting an unethical behaviour (copying, plagiarism, use of not authorized electronic devices, and others), it will be considered that the student does not meet the requisites necessary to pass the subject. In this case, the overall qualification in the current academic course will be of a fail (0.0).

Sources of information

Basic Bibliography

Beigbeder Atienza, Federico, **Diccionario Técnico Inglés/Español; Español/Inglés**, Díaz de Santos,
Collazo, Javier, **Diccionario Collazo Inglés-Español de Informática, Computación y otras Materias**, McGraw-Hill,
Hornby, Albert Sidney, **Oxford Advanced Learner's Dictionary**, Oxford University Press,
Jones, Daniel, **Cambridge English Pronouncing Dictionary**, Cambridge University Press,
Hancock, Mark, **English Pronunciation in Use: Intermediate**, Cambridge University Press,

Murphy, Raymond, **English Grammar in Use: A Self-Study Reference and Practice Book for Intermediate Students**, Cambridge University Press,

Picket, Nell Ann; Laster, Ann A. & Staples Katherine E., **Technical English: Writing, Reading and Speaking**, Pearson Limited Education,

Complementary Bibliography

www.agendaweb.org,

www.bbc.co.uk/worldservice/learningenglish/,

www.edufind.com/english/grammar,

www.voanews.com/specialenglish,

www.mit.edu, **Massachusetts Institute of Technology**,

www.iate.eu, **Eu's Multilingual Technical and Scientific Dictionary**,

Recommendations

Other comments

We recommend students to have some knowledge of English. This course will start from an A2 level and it will reach B1 level, according to the European Framework of Reference for Languages of the Council of Europe.

Requisites:

To register in this subject, it is necessary to have passed or to be registered for all the subjects of the lower courses.

We also recommend continuous assessment due to the methodology used to practise and consolidate the contents of the subject. Therefore, the active participation of students is essential to pass the Technical English subject.

It is advisable to check and compare this subject's timetable with the School's lectures timetables so as to avoid incompatibilities. Students will not be allowed to choose continuous assessment if there is an overlap with other subjects.

In order to avoid damaging the room's computer equipment, students will not be allowed to take drinks or food into the classroom. If the ingestion of liquids or food is due to medical reasons, students must show an official medical prescription.

Sending of emails or the using of mobile phones during the lessons means that the students will be expelled.

The student who does not comply with the information in the previous paragraph will not only be expelled, but s/he will also lose the opportunity to sit for continuous assessment.

In case of discrepancy, the Spanish version of this teaching guide will prevail.
