Universidade de Vigo

IDENTIFYING DATA
Technical english 1

Subject	Technical english 1
Code	V12G360V01903
Study programme	Degree in Industrial Technologies Engineering

Descriptors	ECTS Credits		Choose	Year	Quadmester
	6		Optional	4th	2nd

Teaching language	English
Department	
Coordinator	Pérez Paz, María Flor
Lecturers	Pérez Paz, María Flor
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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 A2 according to the Common European Framework of Reference for Languages (CEFR). As far as possible, students will be monitored so as to accommodate to each individual needs.

Competencies

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.
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 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 D10 D17 D18
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 D10 D17 D18
Improving students' listening and reading skills, as well as their speaking and writing skills.	B10	D1 D4 D7 D10 D17 D18

To upgrade students' grammatical and lexical notions of the English language, and the comprehension of basic Technical English structures.	B10	D1 D4 D7 D10 D17 D18
Promoting students' critical autonomy for the comprehension and understanding of texts, dialogues and oral presentations.	B10	D1 D4 D7 D10 D17 D18

Contents

Topic	
1. English grammar 2. Vocabulary/Use of English 3. Technical-scientific language 4. Speaking 5. Listening 6. Reading comprehension 7. Writing 8. Direct and inverse translation of specific parts of the discourse	UNIT 1 Reading: Batteries and Flowbatteries. Reading: Parts of a car. Speaking: Describing components and materials. Speaking: Dates, mathematical expressions, web sites and email addresses, chemical formula. Listening: Where's that Darn Battery. Listening: Adsense Making Money Online. Grammar: Present Simple.
1. English grammar 2. Vocabulary/Use of English 3. Technical-scientific language 4. Speaking 5. Listening 6. Reading comprehension 7. Writing 8. Direct and inverse translation of specific parts of the discourse	UNIT 2 Reading: CO_2 and the Greenhouse Effect. Reading: Maintaining your Car. Speaking: Describing easy shapes and forms, and dimensions. Listening: Light Pollution. Listening: MIT Seeks Moral to the Story of Self-driving Cars. Writing: Easy paragraph writing. Grammar: Passive voice.
1. English grammar 2. Vocabulary/Use of English 3. Technical-scientific language 4. Speaking 5. Listening 6. Reading comprehension 7. Writing 8. Direct and inverse translation of specific parts of the discourse	UNIT 3 Reading: Job Qualities for an Engineer. Speaking: Expressing one own's qualities, and personal characteristics and abilities. Listening: Mobile phones. Grammar: Relative Clauses. Writing: Dividing a text into types of paragraphs.
1. English grammar 2. Vocabulary/Use of English 3. Technical-scientific language 4. Speaking 5. Listening 6. Reading comprehension 7. Writing 8. Direct and inverse translation of specific parts of the discourse	UNIT 4 Reading: Repairing a Broken Wall Socket. Speaking: Advantages and disadvantages of the different generation power systems. Listening: How do Nuclear Power Plants work? Writing: A report. Grammar: Adverbs of sequence; conditional sentences; connectors: contrast, reason, purpose, and result.
1. English grammar 2. Vocabulary/Use of English 3. Technical-scientific language 4. Speaking 5. Listening 6. Reading comprehension 7. Writing 8. Direct and inverse translation of specific parts of the discourse	UNIT 5 Reading: Windfarms. Speaking: Comparison and contrast. Listening: Manipulating Glass Properties. Listening: IT-related Problems. Writing: Letter of Motivation. Grammar: Verb tenses expressing future; time adverbials; using "enable", "allow", "permit", "make", and "cause".

1. English grammar 2. Vocabulary/Use of English 3. Technical-scientific language 4. Speaking 5. Listening 6. Reading comprehension 7. Writing 8. Direct and inverse translation of specific parts of the discourse	UNIT 6 Reading: Difference Engines. Speaking: Expressing hypothetical future. Listening: Industrial Processing of Canned Corn. Grammar: Order of adjectives.
1. English grammar 2. Vocabulary/Use of English 3. Technical-scientific language 4. Speaking 5. Listening 6. Reading comprehension 7. Writing 8. Direct and inverse translation of specific parts of the discourse	UNIT 7 Reading: Properties of Materials. Reading: Land and Off-shore Windfarms. Speaking: Expressing cause and effect. Listening: Innovations is Great (1). Listening: e-trading and e-selling. Writing: Paragraph divisions for descriptions. Grammar: Expressing cause and effect.
1. English grammar 2. Vocabulary/Use of English 3. Technical-scientific language 4. Speaking 5. Listening 6. Reading comprehension 7. Writing 8. Direct and inverse translation of specific parts of the discourse	UNIT 8 Reading: Superconductivity in Orbit. Speaking: Expressing likelihood. Listening: Innovation is Great (2). Listening: Geothermal Energy. Writing: Description of a process. Grammar: Likelihood.
1. English grammar 2. Vocabulary/Use of English 3. Technical-scientific language 4. Speaking 5. Listening 6. Reading comprehension 7. Writing 8. Direct and inverse translation of specific parts of the discourse	UNIT 9 Reading: Water is Everything. Reading: Man-made Building Materials. Speaking: Materials used in industry: purpose and cause. Listening: Fuel Cells. Grammar: Adjectives: present participle, past participle.

Planning

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

*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 directed at presenting the subject, taking contact with the students and gathering information in relation to their previous knowledges of the subject.
Lecturing	Explanation of the linguistic contents and its application (Use of English) in the learning process and the acquisition of the contained theoretical contents of the subject.
Autonomous problem solving	Activities focused on dealing with exercises related to the subject. Students develop the skills and the fulfillment of exercises related with the linguistic skills (Use of English) in Technical English and the communicative skills; especially the oral expression (Speaking).
Autonomous practices through ICT	The practice activities in connection to the four communicative skills: oral understanding (Listening), oral expression (Speaking), reading comprehension (Reading), and written expression (Writing), as well as the linguistic skill (Use of English) in Technical English. These activities are done individually or in group.
Mentored work	The analysis and resolution of practical exercises in relation to grammar and vocabulary combined with the communicative skills. Students autonomously perform tasks within and outside the classroom as homework; especially the communicative task of written expression (Writing).

Personalized assistance

Methodologies	Description
Introductory activities	General guidance to students on the subject concerning goals and how to achieve them. Exploring motivations and interests of the students. Indications on assignments and exercises to be done during the course, dates of assignment deliveries and the examination dates and how to achieve goals on the subject. Indicating that no tutorial will be done on the telephone or internet (electronic post, Skype, etc.). In case of any doubt, students will have to contact directly with the professor in the classroom or during tutorial hours.
Mentored work	Activities carried out in the classroom and during tutorials in order to supervise the learning process of the entrusted tasks and in relation to the communicative skill of written expression (Writing) and the linguistic skill (Use of English) in the English language.
Autonomous problem solving	This activity is directed to boost the realization of the diverse exercises related with the communicative skills and the linguistic skill in the application of the theoretical concepts of the language in practice. Detecting the difficulties in the learning process and lessening the different levels of the English language of each student with the rest of the participants in the course.
Lecturing	The personalized attention in lecturing aims at the correct comprehension and the encouragement given to students in the classroom and during tutorials during the learning process of the theoretical concepts of the subject; as well as making indications on the practice of exercises to be carried out and giving advice about the performance so as to successfully achieve a pass in this subject.

Tests	Description
Oral exam	The aim of the personalized attention of the oral examination centers in the preparation, encouragement and the supervision of the oral expression (Speaking) in the classroom during the course and previous to the oral examination. The purpose of this activity is to encourage students to express not only with relevance and quality in relation to engineering and its specific vocabulary but also with linguistic correctness.

Assessment

	Description	Qualification	Training and Learning Results	
Problem and/or exercise solving	Evaluation of the theoretical concept of the Technical English language and its application. Performance of practical exercises in relation to the linguistic skill (Use of English).	20	B10	D4 D10 D18
Objective questions exam	Evaluations of communicative skill of oral understanding (Listening) with contents related to engineering (16%). Evaluations of the communicative skill of reading comprehension (Reading) with contents related to engineering (16%).	32	B10	D1 D10 D18
Essay	Evaluations of the communicative skill of the written expression (Writing).	16	B10	D1 D4 D7 D10 D18
Oral exam	Evaluations of the communicative skill of oral expression (Speaking) in relation to the linguistic skill and vocabulary in the field of engineering.	32	B10	D1 D4 D7 D10 D17 D18

Other comments on the Evaluation

1. Particular considerations

There are two assessment systems. Choosing a system excludes the other.

1.1. Continuous assessment

To qualify under the system of continuous evaluation, students are required to attend 80% of the total lecture hours with academic progress and involvement. Therefore students not attending the total hours of the percentage established will lose this option. Students making use of the continuous evaluation counts 100% in the assessment of their final grade with the course assignments and testings. The failure to complete the assignments requested along 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 making use of the only evaluation or final examination sit for examination with a final overall assessment, taking place on the oficial date established by the School of Industrial Engineering. To this end, students should consult the School web site, where the examination date and time are specified in accordance to students subject attendance either Campus or City Centre (Torrecedeira).

2. Final subject assessment result

2.1. Continuous assessment

The final mark for this subject is computed taking into consideration all the skills practiced during the course. Therefore each of them counts as follows:

Listening: 16%.

Speaking: 32%.

Reading: 16%.

Writing: 16%.

On the other hand, Use of English examination sums up 20%.

So the final mark will be established adding the communicative skills and Use of English tests to sum up 100%, being 5 (five) the mark necessary to obtain a pass in all skills and Use of English tests.

Students, who in the publication of the first assessment record, have scored a non-pass in one or several skills, must retake the part or parts for the corresponding failed skills in the July exam of the current course to obtain a pass. In case of a second non-pass in July, students must undergo examination for all skills in future courses. Therefore, those passed parts will not be taken into account in the future or subconsequent to course to the current one .

Partial or total plagiarism in any of the assignment or activity will result in an automatic non-pass on the subject. Plead ignorance of what plagiarism is, will not exempt students of their responsibility in this regard.

2.1. Final Assessment

The only assessment is computed as follows: Listening: 16%. Speaking: 32%. Reading: 16%. Writing 16%, whereas Use of English examination sums up 20%.

So the final mark will be established adding skills and Use of English test to sum up 100%, being 5 (five) the mark necessary to obtain a pass in all skills and short answer tests.

Regarding July assessment (second call assessment) continuous evaluation students will undergo examination for the specific parts of the subject contents not completed; while students of the only examination who failed in the previous exam notification (first call) must undergo an assessment of the total subject contents (100%).

Both continuous assessment 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. Forbidden materials or devices

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

3.2. Information and deadlines

It is students responsibility to check FAITIC or their e-mails to be kept up to date on the uploaded teaching materials, as well as to be aware of examination or submission dates.

3.3. Erasmus students

All the comments here indicated also pertain to Erasmus students. In the event of not being able to access information on FAITIC, students have to contact the teacher to solve the problem.

3.4. Ethical commitment. Students are requested to present an adequate ethical behaviour. In case of detecting an unethical behaviour (coping, plagiarism, use of not authorized electronic devices, and others) will be considered that the student does not meet the requisites necessary to pass the subject. In this case, the global qualification in the present 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 with CD**, Cambridge University Press,

Hewings, Martin, **English Pronunciation in Use, Advanced with Answers, Audio CDs and CD-ROM**, Cambridge University Press,

Murphy, Raymond, **English Grammar in Use 4th with Answers and CD-ROM**, Cambridge University Press,

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

Complementary Bibliography

www.agendaweb.org,

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

www.edufind.com/english/grammar,

www.voanews.com/specialenglish,

iate.europa.eu, **Technical English Dictionary**,

www.howjsay.org, **A free online Talking English Pronunciation Dictionary**,

Recommendations

Other comments

We recommend students, who wish to take part in this course, to have a prior A1 level in English so as to reach the A2 level, according to the Common 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-division courses to the course where this subject is placed.

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

It is advisable to check the School's lectures timetable so as to avert imcompatibility of attendance with any other subject. Therefore students will not be permitted to sit for continuous evaluation if there is overlap.

In order to avoid damaging computers, students will not be allowed to take drinks or food into the classroom. If the ingestion of liquid or food is necessary, students must show an official medical prescription.