Universida_{de}Vigo

IDENTIFYING DATA
Technical English I

Subject	Technical English I			
Code	V12G350V01903			
Study programme	Degree in Industrial Chemical 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.
D13	CT13 Adaptability to new situations.
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 D10 D13 D17 D18
Improving students' listening and reading skills, as well as their speaking and writing skills.	B10	D1 D4 D7 D10 D13 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 D13 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 D10 D13 D17 D18
Promoting students' critical autonomy for the comprehension and understanding of texts, dialogues and oral presentations.	B10	D1 D4 D7 D10 D13 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 reverse 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 formulates. Listening: Adsense Making Money On-line. 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: CO2 and the Greenhouse Effect. Speaking: Describing easy shapes and forms, and dimensions. Listening: Scientists Say Climate Change is Real and Human Caused. 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 description of a repair. 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: Robots - Nothing to lose but their chains. Speaking: Comparison and contrast. Listening: Manipulating Glass Properties. Writing: Cover letters. 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: Car Repairs. Listening: Industrial Can Processing. Writing: Letter of Motivation. Grammar: Review of verb tenses.
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-trading. Writing: Easy reports. 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). Writing: Descriptions. 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
Troubleshooting and / or exercises	4	15	19
Autonomous troubleshooting and / or exercises	4	15	19
Group tutoring	2	0	2
Classroom work	8	0	8
Presentations / exhibitions	9	20	29
Others	6	15	21
Short answer tests	4	15	19
Practical tests, real task execution and / or simulated.	12	20	32

*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 aiming at introducing the subject, establish contact with students, and to gather information about their previous knowledge of the English language.
Troubleshooting and / or exercises	Analysis and problem solving activities in relation to exercises concerning grammar and vocabulary, and communicative skills.
Autonomous troubleshooting and / or exercises	Activities focused on dealing with problems and/or exercises in relation to this subject. Students develop skills to autonomously analyse and solve problems and/or exercises.
Group tutoring	Tutor and tutees carry out joint reviews for discussing issues concerning the so far course achievements and learning process.
Classroom work	The practice activities in connection to the four communication skills: Listening comprehension, Speaking, Reading comprehension, and Writing, as well as Use of English in Technical English. These activities are done individually or in groups (teamwork).

Presentations / exhibitions	In order to assess communication skills, students, in group or individually, accomplish guided Technical English oral and writing presentations.
Others	Role-play activities whose purpose is to improve students speaking skill, and to increase their participation in order to prompt the interaction of the group in English.

Personalized attention

Methodologies	Description
Troubleshooting and / or exercises	By group tutorials we mean the meeting of tutor and tutees in the classroom, and personal advising during tutorial hours. The aim of group tutorials and personal advising is to offer students guidance about the purpose of the course, to encourage learning strategies, guidance in the performance of assignments and exercises, a thorough analysis of the so-far obtained assessment scores, or advice for the successful completion of the Technical English examination. No tutorials will be carried out via telephone conversations or the internet (emails or Skype, etc.) If case of questions or comments students must contact the tutor in the classroom or at tutorial hours, as indicated above.
Group tutoring	By group tutorials we mean the meeting of tutor and tutees in the classroom, and personal advising during tutorial hours. The aim of group tutorials and personal advising is to offer students guidance about the purpose of the course, to encourage learning strategies, guidance in the performance of assignments and exercises, a thorough analysis of the so-far obtained assessment scores, or advice for the successful completion of the Technical English examination. No tutorials will be carried out via telephone conversations or the internet (emails or Skype, etc.) If case of questions or comments students must contact the tutor in the classroom or at tutorial hours, as indicated above.

Assessment

	Description	Qualification	Training and Learning Results	
Classroom work	Practical tasks in relation to listening comprehension and writing skill.	30	B10	D1 D4 D7 D10 D13 D17 D18
Presentations / exhibitions	Performance of the speaking skill in relation to engineering topics, aimed to consolidate an acceptable fluent communication in English.	20	B10	D1 D4 D7 D10 D13 D17 D18
Others	To reach a competent level of speaking in given situations, in order to comment and discuss distinctive features of a specific topic.	20	B10	D1 D4 D7 D10 D13 D17 D18
Short answer tests	These are in relation to testing grammar usage and its applications in the Technical English framework. Students perform short answers exercises such as fill in the gaps, transformations, cloze, multiple choice, etc. to test their knowledge of the linguistic skill of Use of English.	10	B10	D1 D4 D7 D10 D13 D17 D18
Practical tests, real task execution and / or simulated.	The performance of reading comprehension assessments carried out on articles about technology dissemination.	20	B10	D1 D4 D7 D10 D13 D17 D18

Other comments on the Evaluation

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

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).

1. **Continuous Evaluation**

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 (20%); Speaking (40%); Reading (20%); Writing (20%). The sum of these four skills represents the 80% for the mark, whereas Use of English examination sums up 20%.

So, the final mark will be established adding skills and Use of English tests up to 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 2017 to obtain a pass. In case of a second non-pass in July 2017, 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 2016-2017 .

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. **Final Examination (May and July)**

The only examination is computed as follows. Overall final assessment counts 80% for Listening (20%); Speaking and oral presentation (40%); Reading (20%); Writing (20%), whereas Use of English test sums up 20%.

So, the final mark will be established adding skills and Use of English test up to 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 examination will take into account not only the relevance and appropriateness of the content of the answers, but also their linguistic correctness. In addition, during the examinations no dictionaries, notes or electronic devices (mobile phones, tablets, PCs, etc.) will be allowed.

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.

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.

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

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. & Staples Katherine E., **Technical English: Writing, Reading and Speaking**, Longman,

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 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.