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|----------------|---------------------------------|
| Academic year | 2016-17 |
| Subject | 20395 - English for Engineering |
| Group | Group 2, 2S |
| Teaching guide | AO |
| Language | English |

Subject identification

| | |
|--------------------------|---|
| Subject | 20395 - English for Engineering |
| Credits | 2.4 de presencials (60 hours) 3.6 de no presencials (90 hours) 6 de totals (150 hours). |
| Group | Group 2, 2S (Campus Extens) |
| Teaching period | Second semester |
| Teaching language | English |

Professors

| Lecturers | Horari d'atenció als alumnes | | | | | |
|--|------------------------------|----------------|---------|------------|-------------|----------------------|
| | Starting time | Finishing time | Day | Start date | Finish date | Office |
| John Voorheis Sibole III - john.sibole@uib.es | 15:30 | 18:30 | Tuesday | 06/09/2016 | 15/07/2017 | Ramon Llull AB 09 |

Contextualisation

In a globalised world, where we need to move across frontiers not just for pleasure but also for work as well, English is a key tool for improving our career prospects. In addition, English is the language of most scientific publications. In a context of the community of the European Union, English is needed as a tool to communicate with people from different countries and for professional growth and improvement. This subject aims to provide students with a basic grounding in English that will allow them to read and understand specialised publications in English, thus providing a comprehensive overview of the language, not only from a grammatical point of view, but to also enable the student to have a real-life, "hands on" use of it. Students need to be competent not only in writing but also, and even more importantly, in their oral communication skills.

To achieve these aims, this subject will include a considerable amount of conversation and debate in class, in which an active student participation is required. The course will revise and expand on various aspects of grammar, English use, and oral and written skills.

Special focus will be given in order to develop a curriculum vitae and a letter of recommendation, so that the student may begin to actively seek employment to begin their career in the field of engineering. In accompaniment, listening and oral practice will be provided to provide the student with these necessary communication skills for the employment interview.

Furthermore, great attention will be paid to technical vocabulary, essential to understanding specialised publications in the field of electronics. The student should leave the course with an ability to describe the basic processes and functions (operational, sensing, signalling and control) of electronical devices, be able to provide details about their design and construction, as well as to be able to provide health and safety and trouble-shooting advice related to the field of engineering to their colleagues.

Requirements

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This course will be conducted exclusively in English. It is therefore essential that the students who enrol already have an intermediate level of English (as equivalent to a B1 in the Common European Framework of Reference for Languages - CEFR). The materials used in this course have been selected and designed according to the parameters described for the B2 level (CEFR). Thus, a pass in this course certifies the student's language proficiency level required by the UIB in order to obtain the Undergraduate Degree.

Essential requirements

According to the rules of the UIB, in order to obtain a Bachelor Degree students need to prove at the end of their studies a level of competence in English equivalent to a B2 level established in the Common European Framework Reference for Languages (CEFR), as it has been established in the Degree's requirements of their respective curricula. In order to attain this knowledge, students must pass the specific English language course of their Degree. Students may also prove their English skills by means of:

- Presenting a valid certificate or recognized degree by the UIB, attesting the achievement of a minimum level of English equivalent to B2 established in the Common European Framework Reference for Languages (CEFR). Please, see the following link for further information: http://estudis.uib.es/es/grau/coneix_idioma/Conocimiento-de-idioma-extranjero-en-los-estudios.cid215459
- Successfully pass the annual English test organised at the UIB. Please, see the following link for further information: http://estudis.uib.es/es/grau/coneix_idioma/Conocimiento-de-idioma-extranjero-en-los-estudios.cid215457
- Enrolling and successfully completing a number of English taught subjects in their Degree or in an Exchange Programme (18 credits). For further information, please see: http://estudis.uib.es/es/grau/coneix_idioma/

Reference standards

Acord normatiu 9386/2010: <http://www.uib.es/fou/acord/93/9386.html>
Acord Executiu 9617/2010: <http://www.uib.es/fou/acord/96/9617.html>
Acord Executiu 9719/2011: <http://www.uib.es/fou/acord/97/9719.html>
Correcció d'errors 9755/2011: <http://www.uib.es/fou/acord/97/9755.html>
Acord Executiu 9991/2011 <http://www.uib.es/fou/acord/99/9991.html>
Acord Executiu 10300/2012 <http://www.uib.es/fou/acord/103/10300.html>

Recommendable

IMPORTANT: Students are required to have a minimum of B1 level in English prior to the beginning of the course. The student who does not have the B1 level of English proficiency (level that students must have successfully reached at the end of their secondary studies, and required to pass the University Entrance examination) must acquire this level before the semester starts. In order to do so, a list of resources for self-learning is provided in the References section of this teaching guide. In addition, this University is equipped with a Continuous Language Learning Classroom, located in the library of Gaspar Melchor Jovellanos, at the disposal of students. For more information about this Section and the resources available for students, please consult the following link: http://rrhh.uib.es/digitalAssets/137/137294_aulaangl.pdf or consulte the Laboratory's Facebook page: . The University of the Balearic Islands also provides Induction Courses for False Beginners (Cursos Cero) at the beginning of the academic year.

Skills

This subject aims to promote and develop the student's communication skills in English beyond simple grammatical correctness. In completing this course "20395 English for Engineering" the student should



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not only "know about" but "know how to": conduct introductions, exchange information, give technical details, provide information about oneself for a job interview, describe the components of a circuit and their function(s), provide trouble-shooting details, exchange information about signalling, control systems, health and safety issues in the work place, as well as present projects and new developments in technology. The particular competences developed in the subject are described in greater detail below.

Specific

- * T2. To develop the ability to describe a problem (in English) within the context of Electronical Engineering and Automatics and understand the information available in order to solve it appropriately..
- * T4. Write technical reports and use new technologies to carry out research to build up a bibliography in order to write a technical paper in English in the context of Electronical Engineering and Automatics..
- * T3. Capability to present orally new technological developments, problems and solutions, ideas, reports. Find and process the information necessary for this aim ..
- * T4. The ability to use new technologies to carry out research to build up a bibliography in order to write a technical paper in English in the area of Information Technology.

Generic

- * T4. To develop the capacity to write, understand and speak English aiming to achieve an intermediate level (B2 in the Common European Framework)..

Transversal

- * You may consult the transversal basic competencies students will have to achieve by the end of the degree at the following address: <http://www.uib.eu/study/grau/Basic-Competences-In-Bachelors-Degree-Studies/>.

Basic

- * You may consult the basic competencies students will have to achieve by the end of the degree at the following address: <http://www.uib.eu/study/grau/Basic-Competences-In-Bachelors-Degree-Studies/>

Content

The course content will be divided into grammatical language consolidation (language use and general vocabulary) and reading, listening and speaking practice which will allow students to practise grammatical structures within the specific context of engineering.

Theme content

1.. Grammatical content

Explanations of grammatical structures (this list is only a guide - it may change according to the specific needs of the group):

1. Revision of present, past and future time
2. Reported speech
3. Passives/causative verbs
4. Relative clauses
5. Clauses of purpose and result
6. Modals

7. Conditionals

8. Linking words and phrases

Thematic Content:

1. Technology in Use

2. Inventions

3. Electronical components and assemblies

4. Describing how a circuit works and its functions

5. Looking for Work:

5.1. Writing a C.V. and cover letter

5.2 Going to a job interview.

6. Describing a technical problem.

7. Trouble Shooting

8. Presenting alternatives and solutions.

9. Signalling

10. Process Control

11. Job site health and safety

12. Theory and practice: Device design and development.

13. Designing a Robot

2.. Thematic Content

1. Technology in Use

2. Inventions

3. Electronical components and assemblies

4. Describing how a circuit works and its functions

5. Looking for Work:

5.1. Writing a C.V. and cover letter

5.2 Going to a job interview.

6. Describing a technical problem.

7. Trouble Shooting

8. Presenting alternatives and solutions.

9. Signalling

10. Process Control

11. Job site health and safety

12. Theory and practice: Device design and development.

13. Designing a Robot

3.. Vocabulary

Worksheets on specific vocabulary in the electronics field

3.. Reading practice

Specific reading practice. Signalling propagation, reception and processing

4.. Listening

Listening practice of various modules

5.. Speaking

Speaking practice will also include essential guidelines and practice for giving presentations and participating in debates. Identification of problems and working out solutions.

Teaching methodology

The different skills (speaking, listening, reading and writing) will be covered in an integrated manner in order to present grammar and vocabulary in the context of the subject under study. At the beginning of the semester a schedule of the subject will be made available to students through the UIBdigital platform. The schedule will at least include the dates when the continuous assessment tests will be conducted (writing/orals) and the hand-in dates for the assignments (if applicable). In addition, the lecturer will inform students as to whether the subject work plan will be carried out through the schedule or through another way included in the Campus Extens platform.

IMPORTANT - subject pass mark

The student must obtain a minimum score of 6 out of 10 in the final "Use of English" examination (comprising different papers: Grammar in Context, Vocabulary in Context, Listening and Reading comprehension) in order to successfully pass this subject. In those cases where the mathematical average is higher than 5, and the final examination scores lower than a 6, the student will have 4.5 in his or her marks record. The percentages applied to each part are listed below.

If a student fails to show up on the date and time established for any of these papers, they will receive a 0 (zero) grade. Failure to take an official exam (when applicable) will result in a "No Presentado" grade. Under no circumstances will the dates and times of the official exams be altered, with the only exception of those cases contemplated by the University of the Balearic Islands "Reglament Acadèmic" (when two exams on the same day coincide with a time difference of under three hours). Students will not be allowed into the room once the exam / session has already started. Mobilephones and other electronic devices are not allowed in the room. Plagiarism or misdemeanour behaviour (e.g. cheating) during these exams / sessions, will automatically qualify the student's assessment with a "Suspenso" (Grade 0).

ELECTRONIC DEVICES: The use of cell phones and other electronic devices is not permitted in the classroom, unless specified by the teacher. Laptops will be only accepted if they are necessary for the tasks related with course activities. Electronic devices (including laptops or mobile phones) are NOT allowed in the classroom during test practice, or examinations, except when directly specified by the teacher.

Workload

The work load will be divided equally between theoretical and practice groups (grups grans i mitjans). This distribution is described below:

In-class work activities

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| Modality | Name | Typ. Grp. | Description | Hours |
|-------------------|------------------------------|------------------|--|-------|
| Theory classes | Academic language skills | Large group (G) | Approximately 30 hours will be devoted to studying aspects of the English grammar and analysing technical texts. (Competència T4) | 27 |
| Practical classes | Practical sessions | Medium group (M) | Approximately 30 hours will be devoted to medium-sized practical sessions in which students will have the opportunity to carry out listening exercises as well as improving their oral skills. (Competències T3 i T4) | 27 |
| Assessment | Attendance and Participation | Large group (G) | 10% of the final mark will be based on students' participation and attendance. Students should attend 80% of classes or agree on a specific activity with the tutor which should be given in on the date designated. (Competències T3, T4 i T7) | 0 |
| Assessment | Final Assessment | Large group (G) | <p>A final exam worth 50% of the overall mark - Use of English (20%), reading (15%) and listening (15%) tests (Competència T4). The result of this test will represent 50% of the final grade (Grammar, Vocabulary, Reading Comprehension, and Listening Comprehension). Students will need to obtain a minimum score of 6 in this part in order to average out with the other papers (attendance and participation, writing paper, and speaking paper). Dates for this exam, room and time will be published in Campus Extens at the beginning of the semester. The Writing papers and Speaking orals will take place on different days, which will also be announced during the semester in Campus Extens.</p> <p>This exam (50%) and the writing paper (20%) can be retaken in the extraordinary evaluation period (July). (Attendance / participation or the alternative activity (10%) and the oral exam (20%) cannot be retaken in July).</p> <p>The July exams will include the same parts, and the percentages allocated to each part will be also the same. You will need to obtain a minimum score of 6 in this part to successfully pass the subject.</p> | 0 |
| Assessment | Oral exam | Large group (G) | <p>The exam content (presentation or interview) will be determined by the tutor and students will be given the necessary information at the beginning of the course, along with the dates for the assessment. (Competències T3 i T4)</p> <p>This cannot be retaken in July</p> | 4 |
| Assessment | Writing | Large group (G) | <p>Students will have one writing exam worth 20% in class towards the end of the course period - the date will be given by the tutor at the beginning of the course. (Competència T2)</p> <p>The writing exam may be retaken in the extraordinary evaluation period, but it will only be graded if the student has passed the grammar/use of English (50%) with a grade of 6 or more.</p> | 2 |

At the beginning of the semester a schedule of the subject will be made available to students through the UIB digital platform. The schedule shall at least include the dates when the continuing assessment tests will be conducted and the hand-in dates for the assignments. In addition, the lecturer shall inform students as to whether the subject work plan will be carried out through the schedule or through another way included in the Campus Extens platform.

Distance education work activities

| Modality | Name | Description | Hours |
|-----------------------|-----------------------|--|-------|
| Individual self-study | Individual self study | Students will prepare classwork at home and do grammar exercises | 90 |

Specific risks and protective measures

The learning activities of this course do not entail specific health or safety risks for the students and therefore no special protective measures are needed.

Student learning assessment

The marks for the course are divided between presential continuous evaluation tasks, which are worth 50 % of the grade. Additionally, there is a final exam covering reading, listening and English Use skills, also worth 50% of the final mark. The precise description of the tasks and point distribution, is described below:

Attendance and Participation

| | |
|---------------------|---|
| Modality | Assessment |
| Technique | Objective tests (non-retrievable) |
| Description | 10% of the final mark will be based on students' participation and attendance. Students should attend 80% of classes or agree on a specific activity with the tutor which should be given in on the date designated. (Competències T3, T4 i T7) |
| Assessment criteria | Students should attend class at least 80% and participate in the class activities. This is worth 10% of the final mark |

Final grade percentage: 10%

Final Assessment

| | |
|-------------|---|
| Modality | Assessment |
| Technique | Short-answer tests (retrievable) |
| Description | A final exam worth 50% of the overall mark - Use of English (20%), reading (15%) and listening (15%) tests (Competència T4). The result of this test will represent 50% of the final grade (Grammar, Vocabulary, Reading Comprehension, and Listening Comprehension). Students will need to obtain a minimum score of 6 in this part in order to average out with the other papers (attendance and participation, writing paper, and speaking paper). Dates for this exam, room and time will be published in Campus Extens at the beginning of the Semester. The Writing papers and Speaking orals will take place on different days, which will also be announced during the semester in Campus Extens. This exam (50%) and the writing paper (20%) can be retaken in the extraordinary evaluation period (July). (Attendance / participation or the alternative activity (10%) and the oral exam (20%) cannot be retaken in July). The July exams will include the same parts, and |

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| | the percentages allocated to each part will be also the same. You will need to obtain a minimum score of 6 in this part to successfully pass the subject. |
| Assessment criteria | Students will take an end of term final exam which will be divided into use of English (20% - grammar and specific vocabulary), reading (15%) and listening (15%) |
| | Students must have 60% overall in order to pass the subject. |
| Final grade percentage: | 50% |

Oral exam

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|-------------------------|--|
| Modality | Assessment |
| Technique | Oral tests (non-retrievable) |
| Description | The exam content (presentation or interview) will be determined by the tutor and students will be given the necessary information at the beginning of the course, along with the dates for the assessment. (Competències T3 i T4) This cannot be retaken in July |
| Assessment criteria | Students will give a presentation or have an oral exam (to be decided by the tutor). This is worth 20% of the final mark and cannot be retaken. |
| Final grade percentage: | 20% |

Writing

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| Modality | Assessment |
| Technique | Extended-response, discursive examinations (retrievable) |
| Description | Students will have one writing exam worth 20% in class towards the end of the course period - the date will be given by the tutor at the beginning of the course. (Competència T2) The writing exam may be retaken in the extraordinary evaluation period, but it will only be graded if the student has passed the grammar/use of English (50%) with a grade of 6 or more. |
| Assessment criteria | Students will have a writing exam during the course (date will be given at the beginning of the course). It will be worth 20% of the final mark and can be retaken in the extraordinary evaluation period - though it will only be corrected if the student has a pass in the final use of English/reading/listening exam. |
| Final grade percentage: | 20% |

Resources, bibliography and additional documentation

Students will be advised of course material at the beginning of the course.

Basic bibliography

Students will be advised which coursebook(s) will be used at the beginning of the course and via Campus Extens

Complementary bibliography

Vince, Michael (2008). English grammar in context. Oxford: Macmillan
 Prodromou, Luke (2010). Grammar and Vocabulary for First Certificate. Harlow: Longman.
 Murphy, R. (2004). English grammar in Use. Cambridge: CUP

Other resources



Basic bibliography

Vince, M. 2008. Macmillan English Grammar in Context, Intermediate with Key. Oxford: Macmillan Publishers Limited.

Complementary bibliography

Armer, Tamzen. Ed. 2011. Cambridge English for Scientists. UK: Cambridge University Press

Further bibliography will be presented in class.

Other resources

Books

Basic grammar:

Murphy, Raymond and Fernando García Clemente (2008). Essential Grammar in Use. Edición en español con respuestas. Cambridge University Press.

Swan, Michael and Catherine Walter (2001). The Good Grammar Book. With Answers. Oxford University Press.

Grammar and vocabulary:

Pérez Rodríguez, Eva María (2006). English Language Practice Advanced. UIB, colecció materials didàctics, 120.

Vince, Michael (2009). First Certificate Language Practice with Key. English Grammar and vocabulary. Macmillan.

Vince, Michael (2009). Advanced Language Practice with Key. English Grammar and Vocabulary. Macmillan.

Vocabulary:

McCarthy, Michael and Felicity O'Dell (2005). English Vocabulary in Use. Elementary. Cambridge University Press.

Redman, Stuart (2002). English Vocabulary in Use. Pre-intermediate and intermediate. Cambridge University Press.

McCarthy, Michael and Felicity O'Dell (2001). English Vocabulary in Use. Upper-intermediate and Advanced. Cambridge University Press.

McCarthy, Michael and Felicity O'Dell (2006). English Vocabulary in Use. Advanced. Cambridge University Press.

To improve communicative skills:

Cory, Hugh (1999). Advanced Writing with English in Use. Oxford University Press.

Gude, Kathy (2000). Advanced Listening and Speaking. Oxford university Press.

To improve specific language issues:

Hancock, Mark (2003). English Pronunciation in Use. Cambridge University Press.

McCarthy, Michael and Felicity O'Dell (2002). English Idioms in Use. Cambridge University Press.

McCarthy, Michael and Felicity O'Dell (2004). English Phrasal Verbs in Use. Cambridge University Press.

McCarthy, Michael and Felicity O'Dell (2008). English Collocations in Use. Cambridge University Press.

McCarthy, Michael and Felicity O'Dell (2008). English Collocations in Use. Advanced. Cambridge University Press.

McCarthy, Michael and Felicity O'Dell (2008). Academic English in Use. Advanced. Cambridge University Press.

WEBSITES

<http://englishonline.sites.uol.com.br/english/intermediate.htm>

<http://www.bbc.co.uk/worldservice/learningenglish/language>

<http://www.uefap.com/index.htm>

<http://a4esl.org>

<http://www.grammar-quizzes.com/index.html>

<http://english.baladre.org/sedaviwebfront/grammarindex.htm>

<http://www.englishexercises.org>

BOOKS

Basic grammar:



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Murphy, Raymond and Fernando García Clemente (2008). Essential Grammar in Use. Edición en español con respuestas. Cambridge University Press.

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