



Universidad  
Politécnica  
de Cartagena



Centro  
Universitario  
de la Defensa

Subject Description:

## **TECHNOLOGICAL ENGLISH II**

**Degree: Industrial Organization Engineering**

## 1. Subject data

<b>Name</b>	Technological English II		
<b>Subject area</b>	Languages		
<b>Module</b>	Compulsory subjects		
<b>Code</b>	511103007		
<b>Degree programme</b>	Industrial Organization Engineering Degree		
<b>Curriculum</b>	2009 (Decree 269/2009 31st july)		
<b>Centre</b>	University Centre of Defence. Spanish Air Force Academy.		
<b>Type</b>	Compulsory		
<b>Duration</b>	Four-month subject	<b>Year</b>	2017-2018
<b>Language</b>	English		
<b>ECTS</b>	4.5	<b>Hours / ECTS</b>	25
		<b>Total workload (hours)</b>	112.5

## 2. Lecturer data

<b>Lecturer in charge</b>	Dr. Clara Pallejá López		
<b>Department</b>	Foreign languages department		
<b>Knowledge area</b>	English Language		
<b>Office location</b>	Office CUD 32		
<b>Telephone</b>	968 18 99 09	<b>Fax</b>	968189970
<b>E-mail</b>	clara.palleja@ cud.upct.es		
<b>URL/Web</b>	UPCT virtual class (www.upct.es)		
<b>Office hours</b>	See virtual class		
<b>Location</b>	Office 09 CUD		
<b>Qualification/degree</b>	Doctorate		
<b>Academic rank at CUD-UPCT</b>	Assistant professor		
<b>Year of admission in CUD-UPCT</b>	2017		
<b>Research line</b>	Second language acquisition Language for Specific Purposes Reading/Writing processes and psychological		

	determinants
<b>Professional experience</b>	Dpt. of Languages, Skidmore College, New York Dpt. of Languages, The University of Auckland, New Zealand Dpt. of Languages, UNITEC Institute of Technology, Auckland, New Zealand UCAM Catholic University of Murcia Centro Universitario de la Defensa

<b>Lecturer</b>	Aránzazu García Pinar		
<b>Department</b>	Foreign languages department		
<b>Knowledge area</b>	English Language		
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<b>Office hours</b>	See virtual class		
<b>Location</b>	Office 32 CUD		
<b>Qualification/degree</b>	English degree		
<b>Academic rank at CUD-UPCT</b>	Assistant professor		
<b>Year of admission in CUD-UPCT</b>	2013		
<b>Number of five-year periods (quinquenios) if applicable</b>			
<b>Research line</b>	Applied linguistics Second and foreign language acquisition English for Specific Purposes Multimodality		
<b>Number of six-year periods (sexenios) if applicable</b>			
<b>Professional experience</b>	Dpt. of Languages- University Politécnica de Cartagena (UPCT) Dpt. of Languages - Centro Universitario de la Defensa UPCT Technical translator Freelance translator		

### **3. Subject Description**

#### **3.1. General description**

Technological English II is a subject devoted to the development of students' English language skills in a wide variety of fields, including aeronautical technology.

In this subject students will be trained to gradually develop oral and written communication skills, as well as grammar and vocabulary, in a variety of fields (cultural, social, scientific, technological, etc.), so as to progressively acquire an advanced level of the English language (B2 level). This B2 level will be higher than in previous language subjects of the degree (i.e English Language I; Technological English I).

#### **3.2. How the subject contributes to the professional career**

Students will be trained in listening comprehension of aeronautical and technological English. They will also learn to make and defend oral and written arguments, convey information and solve problems using English as a language of interaction.

#### **3.3. Relationship with other subjects in the programme**

Technological English II is interrelated with previous language subjects of the degree (English Language I; Technological English I).

#### **3.4. Incompatibilities defined in the programme**

It is compulsory to have passed Technological English I to pass Technological English II.

#### **3.5. Recommendations**

Students are required to have a consolidated B1 level before starting the current subject.

### 3.6. Special Foreseen Measures

Special measures will be adopted to allow learners to combine this subject with military training activities. More specifically, individual and group tutorials will be scheduled during the whole subject. E-tutorials will also be available during the whole academic year.

## 4. Competences and Learning Outcomes

### 4.1. Basic curricular competences related to the Subject

BC4. Students must be able to transmit information, convey ideas, and describe problems and solutions to a specialised and non-specialised audience.

### 4.2. General curricular competences related to the subject

GC3. Ability to work in a multilingual environment.

### 4.3. Specific curricular competences related to the subject

SC27. Communicate effectively in a foreign language.

### 4.4. Cross-curricular competences related to the subject

CCC1. Oral and written communication skills

### 4.5. Learning outcomes

By the end of the subject, students will have developed receptive (i.e. listening and reading) and productive (i.e. writing and speaking) skills, grammar, and technological vocabulary at B2 level according to the *Common European Framework of Reference for Languages*. This B2 level will be higher than in previous language subjects of the degree (English Language I; Technological English I). In addition, students will have also learned

some vocabulary about military English.

## 5. Contents

### 5.1. Curricular contents related to the subject

The contents include a wide range of activities about vocabulary, grammar, reading, listening, writing and speaking following the Common European Framework of Reference for Languages at B2 level, which will be higher than in previous language subjects of the degree (English Language I, Technological English I). In addition, students will also be taught some vocabulary about military English by the USAF staff.

### 5.2. Theoretical Syllabus

Unit 1. Technical development

Unit 2. Procedures and precautions

Unit 3. Monitoring and control

Unit 4. Tests, monitoring and results

Unit 5. Performance and limitations

Instrumental English

In all the didactic units, there will be a review of grammatical features that are relevant for each unit. In addition, the four communicative skills will be practiced using technological and military vocabulary.

### 5.3. Practical Syllabus

The practical sessions will be devoted to the development of students' listening and speaking skills using a wide range of material from textbooks and Internet resources at B2 level, which will be higher than in previous language subjects of the degree (English Language I; Technological English I).

## Risk prevention

Promoting the continuous improvement of working and study conditions of the entire university community is one of the basic principles and goals of the Universidad Politécnica de Cartagena.

Such commitment to prevention and the responsibilities arising from it concern all realms of the university: governing bodies, management team, teaching and research staff, administrative and service staff and students.

The UPCT Service of Occupational Hazards (*Servicio de Prevención de Riesgos Laborales de la UPCT*) has published a "Risk Prevention Manual for new students" (*Manual de acogida al estudiante en materia de prevención de riesgos*), which may be downloaded from the e-learning platform ("Aula Virtual"), with instructions and recommendations on how to act properly, from the point of view of prevention (safety, ergonomics, etc.), when developing any type of activity at the University. You will also find recommendations on how to proceed in an emergency or if an incident occurs.

Particularly when carrying out training practices in laboratories, workshops or field work, you must follow all your teacher's instructions, because he/she is the person responsible for your safety and health during practice performance. Feel free to ask any questions you may have and do not put your safety or that of your classmates at risk.

### 5.4. Theoretical Syllabus in English

The Subject **Technological English II** aims at the development of B2 competences, according to the *Common European Framework of Reference for Languages*. This B2 level, which will be higher than in previous language subjects of the degree (English Language; Technological English I).

### 5.5. Detailed description of learning goals

#### **Unit 1. Technical development**

- Discuss technical requirements
- Suggest ideas and solutions
- Assess feasibility
- Describe improvements and redesigns

#### **Unit 2. Procedures and precautions**

- Describe safety precautions
- Emphasise the importance of precautions
- Discuss regulations
- Analyse written instructions

#### **Unit 3. Monitoring and control**

- Describe automated systems
- Use measurable parameters
- Describe measures

#### **Unit 4. Tests, monitoring and results**

- Explain tests and experiments
- Exchange views on predictions and theories
- Compare results with expectations
- Analyse and discuss the interrelationship between causes and effects

#### **Unit 5. Performance and limitations**

- Discuss performance and suitability
- Describe physical forces
- Describe capabilities and limitation

#### **Instrumental English**

-Review and develop grammatical features, which are relevant for each thematic unit, as well as practice the four communicative skills using specific technological and military vocabulary. Develop comprehension and expression skills B2 level. This B2 level will be higher than in previous language subjects of the degree (English language I; Technological English I), showing linguistic accuracy in the use of grammar, technological and military vocabulary as well as effectiveness in communication.



## 6. Teaching methodology

6.1. Teaching Methodology			
Teaching Activity	Teaching Techniques	Student's workload	HOURS
<b>Theoretical sessions</b>	Explanation of contents and guidance for the completion of activities	<u>Attendance</u> : attendance and active participation	<b>30</b>
<b>Practical sessions</b>	Guidance for the completion of activities	<u>Attendance</u> : attendance, active participation, and completion of activities in class	<b>15</b>
		<u>Non-attendance</u> : Previous preparation of practical activities before the sessions	<b>9</b>
<b>Individual tasks</b>	Provision of feedback and guidance	<u>Attendance</u> : completion of individual tasks on reading, listening and use of English in class	<b>10</b>
		<u>Non-attendance</u> : preparation of individual tasks and writing activities at home	<b>18</b>
<b>Tutorials</b>	Guidance	<u>Attendance</u> : attendance to tutorials	<b>5.5</b>
<b>Assessment</b>	Preparation of exams and evaluation	<u>Attendance</u> : Exams	<b>5</b>
		<u>Non-attendance</u> : preparation of exams	<b>20</b>
<b>TOTAL</b>			<b>112.5</b>

**6.2. Learning Outcomes (4.5)/ Teaching Methodology (6.1)****Teaching Methodology(6.1)**

<b>Learning outcomes (4.5)</b>	<b>THEORETICAL SESSIONS</b>	<b>PRACTICAL SESSIONS</b>	<b>INDIVIDUAL TASKS</b>	<b>TUTORIALS</b>	<b>ASSESSMENT</b>
Receptive skills (i.e. listening and reading) at B2 level	■	■	■	■	■
Productive skills (i.e. speaking and writing) at B2 level	■	■	■	■	■
Grammar and vocabulary at B2 level	■	■	■	■	■
Technological vocabulary	■	■	■	■	■
Vocabulary about military English		■		■	■

## 7. Assessment method

7.1. Assessment method						
Instruments of assessment		Type		Assessment methods and criteria	Percentage (%)	Learning Outcomes (4.5)
		Summative	Formative			
Oral exam		■		<b>Oral exam:</b> Communicative competence: linguistic accuracy, correct pronunciation, fluency, clarity and coherence (i.e. syntax, semantics and pragmatics) in the presentation of contents according to the expected level in the third year.	12%	-Receptive and productive skills -Grammar
Listening comprehension exam		■		<b>Listening comprehension exam:</b> Linguistic accuracy according to the expected level in the third year.  Quality and quantity of comprehension according to the expected level in the third year.	12%	Technological vocabulary -Vocabulary about military English
Use of English (grammar and vocabulary)		■		Linguistic accuracy and complexity according to the expected level in the third year.	12%	-Grammar - Technological vocabulary
Reading comprehension exam		■		<b>Reading comprehension:</b> Quality and quantity of reading comprehension according to the expected level in the third year.	12%	-Receptive and productive skills
Written exam		■		<b>Written exam:</b> Communicative competence in written production: linguistic accuracy and complexity, clarity and coherence (i.e. syntax, semantics and pragmatics) in the logical sequencing and development of ideas (i.e. structure) according to the expected level in the third year.	12%	-Grammar Technological vocabulary -Vocabulary about military English
Individual tasks	Essays		■	Communicative competence in written production: linguistic accuracy and complexity, clarity and coherence (i.e. syntax, semantics and pragmatics) in the logical sequencing and development of	10%	-Productive skills -Grammar Technological vocabulary

				ideas (i.e. structure) according to the expected level in the third year.		
	<b>Practical activities on speaking, listening, reading and use of English</b>		■	<b>Listening and reading activities:</b> quality and quantity of comprehension according to the expected level in the third year.  Linguistic accuracy according to the expected level in the third year.  <b>Speaking activities</b> linguistic accuracy and complexity according to the expected level in the first year.	20%	-Receptive and productive skills -Grammar Technological vocabulary -Vocabulary about military English

As set forth in article 5.4 of the *Reglamento de las pruebas de evaluación de los títulos oficiales de grado y de máster con atribuciones profesionales (UPCT)*, students in the special circumstances listed in the article 5.4 are entitled to a comprehensive assessment test, upon justified request which must be granted by the Department. This does not exempt them from carrying out compulsory tasks included in the teacher's guide of the subject (official syllabus).

**IMPORTANT NOTE:** In order to pass the subject it will be compulsory to obtain 5 points out of 10 in each of the instruments of assessment: oral exam; listening comprehension exam; use of English exam; reading comprehension exam; written exam. In case of not obtaining 5 out of 10 points in one or several of the instruments of assessment, the final grade of the subject will be the mark obtained in the individual tasks.

## 7.2. Control and monitoring methods

Formative evaluation will be carried out throughout the academic year using different instruments such as diagnostic tests and individual tasks. The diagnostic tests will be used to assess learners' initial knowledge. The content of the present syllabus may be adapted and expanded according to the results of the diagnostic tests.

## 8. Resources and Bibliography

### 8.1. Basic Bibliography

Gross, G. & Zeter, J. (2011) *Career Paths: Air Force*. Newbury: Express Publishing.

Hewings, M. (2010). *Advanced Grammar in Use*. Cambridge: Cambridge University Press

Ibbotson, M. (2008). *Cambridge English for engineering*. Cambridge: Cambridge University Press.

Murphy, R. (2010). *English Grammar in Use*. Cambridge: Cambridge University Press

### 8.2. Supplementary Bibliography

Butler, L. (2007). *Fundamentals of academic writing*. Pearson

García de la Cuesta, J. (2011) *Aviation terminology. Terminología aeronáutica*. Diccionario aeronáutico español-inglés/inglés-español. Díaz de Santos (Barcelona)

Glendinning, E.H., & Pohl, A. (2008). *Oxford English for Careers: Technology 2*. Oxford: Oxford University Press.

Hancock, M., & Donna, S. (2012). *English pronunciation in use intermediate*. Cambridge University Press

Hogue, A. (2008). *First steps in academic writing*. Pearson

Marks, J.(2007). *English pronunciation in use (elementary)*. Cambridge University Press

Oshima, A., & Hogue, A. (2006). *Introduction to academic writing*. Pearson

Oshima, A., & Hogue, A. (2006). *Writing Academic English*. Pearson

Oxeden, C., & Latham-Koenig, Ch. (2008). *New English File. Upper Intermediate*. Oxford University Press.

Shawcross, P.(1992). *English for aircraft 1: documentation handbook*. Éditions Belin (Paris)

Velasco Sales, J.(1994). *Diccionario aeronáutico civil y militar*. Paraninfo

Vince, M. (2008). *English Grammar in Context. Advanced*. Oxford: Macmillan.

### 8.3. Online resources and others

<http://www.bbc.com/news>

<http://www.bbc.co.uk/radio>

<http://dictionary.cambridge.org/>

<http://www.collinsdictionary.com/dictionary/english-spanish>

<http://www.internetradiouk.com/#talk-sport-uk>

<http://www.listenlive.eu/uk.html>

<http://www.macmillandictionary.com/>

<http://www.nytimes.com/>

<http://www.oxforddictionaries.com/>

<http://www.surfmusic.de/country/uk.html>

<http://www.thebigproject.co.uk/news/#.VbmOaclw9kg>