Technological English II

Syllabus

Industrial Organization Engineering Degree

Academic year 2012-2013

1. Course details

Name	Technological English II
Course field	Languages
Code	511103007
Degree Course	Grado en Ingeniería de Organización Industrial
Programme	2009 (Decreto 269/2009 de 31 de julio)
Faculty	Centro Universitario de la Defensa en la Academia General del Aire
Type	Compulsory
Duration	Four-month course	**Year**	2012-2013
Language	English

ECTS	4.5	**Hours / ECTS**	25	**Total workload (hours)**	112.5

Classes timetable	Mondays 10:50-11:40/11:45-12:35	**Room**	Aula multimedia 2
Practicals timetable	Thursdays from 8:40 to 9:30	**Building**	Pabellón 9

2. Teaching Staff contact details

Head of the course	Ana González Escudero		
Department	of integrated areas		
Area of expertise	Languages		
Office location	Office 25 - CUD		
Phone	968189924	**Fax**	-
E-mail	ana.gonzalez@cud.upct.es		
Office hours (for supervisions)	Tuesdays and Thursdays from 12:50 to 14:35		
Office hours location (for supervisions)	Office 25-CUD		

3. Course outline

3.1. Presentation

Technological English II is a course devoted to students' language skills development in the field of aeronautical technology, which will undoubtedly be an asset for their future career.

3.2. Year and duration within the degree programme

Technological English II is a four-month course taught in the 3rd year of the Industrial Organization Engineering Degree.

3.3. Description of the course

In this course students will learn the basic principles, structure and vocabulary of aeronautical English and their practical application in a wide range of texts within the field of aircraft documentation.

The language principles learnt will allow students to gradually acquire the various facets of an effective reading technique that can be put into practice with any kind of text, such as recognition of verb forms, word endings and affixes, a knowledge of basic English sentence structure (syntax), the ability to use the context to understand unknown words, the ability to find information quickly, knowing where to look and what to look for, vocabulary acquisition and expansion or the ability to follow a logical thought process in English and to visualize meaning.

Students will also be trained in listening comprehension of aeronautical-related material about military combat aircrafts (especially *Eurofighter Typhoon* related), transport aircrafts and helicopters of the Spanish Air Force. They'll also be trained in productive language skills development, both oral and written.

4. Competences

4.1. Generic and transversal competences

INSTRUMENTAL COMPETENCES
☒ T1.1 Analytical and summary skills
☒ T1.2 Organizational and planning skills
☒ T1.4 Oral and written comprehension skills in a foreign language
☒ T1.6 Information management ability

PERSONAL COMPETENCES
☒ T2.1 Critical and self-critical ability
☒ T2.2 Teamwork
☒ T2.7 Ability to work in an international environment

SYSTEMIC COMPETENCES
☒ T3.1 Ability to apply theory to practice
☒ T3.2 Learning ability
☒ T3.7 Ability to work autonomously

4.2. Degree specific competences

SPECIFIC COMPETENCES OF THE FIELD
☒ E1.4 Knowledge about fields related to engineering and aircraft systems operation, aerospace vehicles, facilities and other related systems.

OTHER COMPETENCES
☒ E3.2 International experience through mobility programmes

4.3. Learning objectives

This course is aimed at acquainting students with the basic principles, structures and vocabulary of technical language in the field of aeronautical technology, in order to develop their English receptive and productive linguistic skills.

5. Contents

5.1. Classes contents programme

Contents will revise and consolidate the utilization of the basic parts of the English language, the foundations of technical English, following practical explanations with authentic examples reflecting the language used in present-day aeronautical documentation from aircraft systems, various suppliers of aircraft maintenance manuals, checklists, structural repair manuals, illustrated parts catalogs, airworthiness directives, flight manuals, training manuals, etc.

Contents structure will be the following:

UNIT A: Word order

UNIT B: Location

UNIT C: Verb tenses

UNIT D: Instructions, procedures

UNIT E: Basic sentence structure

UNIT F: Word endings

UNIT G: Prefixes, suffixes

UNIT H: Physical characteristics

UNIT I: Dimensions

UNIT J: Purpose

UNIT K: Conjunctions

UNIT L: Actions

UNIT M: Possibility, probability, necessity, conditions

5.2. Practicals contents programme

Practicals programme will train students in listening comprehension of aeronautical-related material about military combat aircrafts (especially *Eurofighter Typhoon*), transport aircrafts and helicopters of the Spanish Air Force, in order to develop their listening skills in the field and keep them informed about aircrafts news.

Military vocabulary will also be taught to the students in practicals conducted by USAF personnel.

6. Teaching methodology

6.1. Learning activities

Activity	Lecturer role	Student role	ECTS
Classes	Explanation of the subject and following of students' acquisition and application	Attendance: attendance to classes and participation	**1.2**
Practicals	Aeronautical-related listening activities/military-related speaking activities preparation	Attendance: attendance and participation	**0.6**
Autonomous work	Classes and practicals preparation	Non-attendance: study of the subject	**0.8**
		Non-attendance: summaries and writings preparation	**0.32**
Supervisions	Students' individual supervisions on request	Attendance: attendance to supervisions	**0.22**
Group presentations	Group presentations assessment	Attendance: group presentations	**0.04**
		Non-attendance: Preparation of presentations	**0.32**
Course assessment	Preparation of exams: listening /speaking/written exam	Attendance: Exams taking	**0.2**
		Non-attendance: exams preparation	**0.8**
TOTAL			**4.5**

7.   Assessment

Methods	Quality criteria	Weighting
Speaking production exam	- Comprehension correctness	20%
Listening comprehension exam	- Linguistic correctness	20%
Written exam	- Linguistic correctness - Clarity and coherence in contents exposition	30%
Group presentations	- Linguistic correctness - Clarity and coherence in contents exposition	15%
Portfolio	- Linguistic correctness - Ability to analyse and summarize - Clarity and coherence in contents exposition	15%
TOTAL		100%

NOTE: In order to pass the course, a pass mark of 50% will have to be attained in each of the following: speaking production exam, listening comprehension exam, written exam and group presentations.

The speaking and listening exams will take place before the date of the written exam.

7.2. Learning process monitoring

Students' competences acquisition will be carried out through questions raised by students, supervisions, group presentations assessment, portfolio tasks assessment and exams.

8. Results, learning activities and assessment

8.1. Learning objectives/learning activities/results assessment								
Learning objectives (4.4)	Classes	Practicals	Supervisiosns	Group presentations assessment	Portfolio tasks assessment	Speaking production exam	Listening comprehension exam	Written exam
Reading comprehension	■	■		■	■		■	■
Listening comprehension	■	■	■	■		■	■	
Speaking production	■	■	■	■		■		
Written production	■				■		■	■

9. ECTS Allocation

COURSE		ATTENDANCE		CONVENTIONAL ATTENDANCE		NON-CONVENTIONAL ATTENDANCE		NON-ATTENDANCE	
CREDITS	TOTAL HOURS	AC	AH	CAC	CAH	NCAC	NCAH	NAC	NAH
4.5	112.5	2.26	56.5	1.8	45	0.46	11.5	2.24	56

AC: ATTENDANCE CREDITS
CAC: CONVENTIONAL ATTENDANCE CREDITS
NCAC: NON-CONVENTIONAL ATTENDANCE CREDITS
NAC: NON-ATTENDANCE CREDITS

AH: ATTENDANCE HOURS
CAH: CONVENTIONAL ATTENDANCE HOURS
NCAH: NON-CONVENTIONAL ATTENDANCE HOURS
NAH: NON-ATTENDANCE HOURS

10. SCHEDULE

| Week | Units | ATTENDANCE ACTIVITIES — Conventional | | | ATTENDANCE ACTIVITIES — Non-conventional | | | | | NON-ATTENDANCE ACTIVITIES | | | | TOTAL HOURS |
		Classes	Practicals		Supervisions	Group presentations	Speaking production exam	Listening comprehension exam	Written exam	Self-study	Portfolio tasks	Presentations preparation	Exams preparation	
1	UA	2	1							1				
2	UA	2	1							1				
3	UB	2	1							1	1	1		
4	UB	2	1							1	1	1		
5	UC	2	1							1	1			
6	UD	2	1							1	1			
7	UE	2	1			0.33				1	1	1		
8	UF	2	1		1					1	1	1	2	
9	UG	2	1							1	1	1	2	
10	UH	2	1		1	0.33				1	1		2	
11	UI	2	1							1		1	2	
12	UJ	2	1		1					1.5		1	2	
13	UK	2	1							1.5		1	2	
14	UL	2	1		1	0.33				1.5			2	
15	UM	2	1							1.5			2	
16	Review				1.5		0.5			1.5			2	
17	Review							1.5		1.5			2	
Exams									3					
Other														
Total hours		30	15		5.5	1	0.5	1.5	3	20	8	8	20	112.5

11. REFERENCES

Basic references:

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

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

▪ Velasco Sales, José (1994), *Diccionario aeronáutico civil y militar*, Velasco Sales, José. Ed. Paraninfo

▪ Shawcross, Philip (1993), *English for aircraft* 2*: system maintenance*, Éditions Belin (Paris)

Other references:

▪ Butler, Linda (2007), *Fundamentals of academic writing*, Ed. Pearson

▪ Hogue, Ann (2008), *First steps in academic writing*, Ed. Pearson

▪ Oshima, Alice & Hogue, Ann (2006) *Introduction to academic writing*, Ed. Pearson

▪ Oshima, Alice & Hogue, Ann (2006) *Writing Academic English,* Ed. Pearson

▪ Marks, Jonathan (2007), *English pronunciation in use (elementary)*, Ed. Cambridge University Press

▪ Hancock, Mark & Donna, Sylvie (2012), *English pronunciation in use intermediate,* Ed. Cambridge University Press

▪ Murphy, Raymond (2012), *English Grammar in use,* Ed. Cambridge University Press

▪ *http://www.collinsdictionary.com/dictionary/english-spanish*

▪ *http://www.macmillandictionary.com/*