



Course guide

820091 - TEEN - Technical English for Engineers

Last modified: 02/06/2015

Unit in charge: Barcelona East School of Engineering
Teaching unit: 745 - DEAB - Department of Agri-Food Engineering and Biotechnology.

Degree: **Academic year:** 2015 **ECTS Credits:** 6.0
Languages: English

LECTURER

Coordinating lecturer: Santiago Rehecho Murias

Others: Santiago Rehecho Murias

PRIOR SKILLS

A consolidated intermediate level of English is required to carry out activities effectively. In fact, classes will resume the study of the English language from a technical perspective.

DEGREE COMPETENCES TO WHICH THE SUBJECT CONTRIBUTES

Transversal:

1. THIRD LANGUAGE. Learning a third language, preferably English, to a degree of oral and written fluency that fits in with the future needs of the graduates of each course.
2. EFFICIENT ORAL AND WRITTEN COMMUNICATION - Level 3. Communicating clearly and efficiently in oral and written presentations. Adapting to audiences and communication aims by using suitable strategies and means.

TEACHING METHODOLOGY

- Listening Comprehension
- Reading Comprehension
- Group work
- Pair work
- Expository classes

LEARNING OBJECTIVES OF THE SUBJECT

Listening:

- To understand native speakers, professionals and students talking about their work and study.
- To understand experts talking informally about technical aspects.

Speaking:

- To communicate about technical topics.

Reading:

- To understand a wide variety of texts including diagrams, tables, graphs, course brochures and job advertisements.
- To compare different sources of information, written and spoken.

Writing:

- To write simple descriptions and explanations on technical subjects related to student's field of study.
- To write study- and work-related letters.



STUDY LOAD

Type	Hours	Percentage
Self study	90,0	60.00
Hours large group	60,0	40.00

Total learning time: 150 h

CONTENTS

1.- Metals

Full-or-part-time: 18h 45m

Theory classes: 7h 30m

Self study : 11h 15m

(ENG) 2.- Mediciones

Full-or-part-time: 18h 45m

Theory classes: 7h 30m

Self study : 11h 15m

2.- Measurement

Full-or-part-time: 18h 45m

Theory classes: 7h 30m

Self study : 11h 15m

(ENG) 2.- Mesuraments

Full-or-part-time: 18h 45m

Theory classes: 7h 30m

Self study : 11h 15m

3.- Design and function

Full-or-part-time: 18h 45m

Theory classes: 7h 30m

Self study : 11h 15m

(ENG) 3.- Diseño y función

Full-or-part-time: 18h 45m

Theory classes: 7h 30m

Self study : 11h 15m



(ENG) 3.- Dissent i funció

Full-or-part-time: 18h 45m
Theory classes: 7h 30m
Self study : 11h 15m

4.- Energy, heat and work

Full-or-part-time: 18h 45m
Theory classes: 7h 30m
Self study : 11h 15m

(ENG) 4.- Energía, calor y trabajo

Full-or-part-time: 18h 45m
Theory classes: 7h 30m
Self study : 11h 15m

(ENG) 4.- Energia, calor i treball

Full-or-part-time: 18h 45m
Theory classes: 7h 30m
Self study : 11h 15m

(ENG) 5.- Dispositius de control

Full-or-part-time: 18h 45m
Theory classes: 7h 30m
Self study : 11h 15m

5.- Control devices

Full-or-part-time: 18h 45m
Theory classes: 7h 30m
Self study : 11h 15m

(ENG) 5.- Dispositivos de control

Full-or-part-time: 18h 45m
Theory classes: 7h 30m
Self study : 11h 15m

(ENG) 6.- Bombas

Full-or-part-time: 18h 45m
Theory classes: 7h 30m
Guided activities: 11h 15m



(ENG) 6.- Bombes

Full-or-part-time: 18h 45m
Theory classes: 7h 30m
Self study : 11h 15m

6.- Pumps

Full-or-part-time: 18h 45m
Theory classes: 7h 30m
Self study : 11h 15m

(ENG) 7.- Sistemas de aire acondicionado

Full-or-part-time: 18h 45m
Theory classes: 7h 30m
Self study : 11h 15m

(ENG) 7.- Sistemes d'aire condicionat

Full-or-part-time: 18h 45m
Theory classes: 7h 30m
Self study : 11h 15m

7.- Air-conditioning systems

Full-or-part-time: 18h 45m
Theory classes: 7h 30m
Self study : 11h 15m

(ENG) 8.- Motores diesel

Full-or-part-time: 18h 45m
Theory classes: 7h 30m
Self study : 11h 15m

8.- Diesel engines

Full-or-part-time: 18h 45m
Theory classes: 7h 30m
Self study : 11h 15m

(ENG) 8.- Motors diesel

Full-or-part-time: 18h 45m
Theory classes: 7h 30m
Self study : 11h 15m



GRADING SYSTEM

- Tasks: 30%
- Test units 1 - 4: 30%
- Test units 5 - 8: 30%
- Presentation: 10%

BIBLIOGRAPHY

Basic:

- Johnson, David. General engineering. New York [etc.]: Prentice Hall, 1992. ISBN 0132802805.
- Collins diccionario inglés = Collins Spanish dictionary. 9th ed. Barcelona; Glasgow [etc.]: Random House : HarperCollins, 2009. ISBN 9788425343179.

Complementary:

- Murphy, Raymond. English grammar in use : a self-study reference and practice book for intermediate students of English : with answers. 3rd ed. Cambridge [etc.]: Cambridge University Press, 2004. ISBN 9780521537629.
- Beigbeder Atienza, Federico. Diccionario politécnico de las lenguas española e inglesa = Polytechnic dictionary of Spanish and English languages. 3ª ed. rev. y ampl. Madrid: Díaz de Santos, 2008. ISBN 9788479788704 (V.1); 9788479788711 (V.2).