

## 820073 - CTE - Communication in Technical English

Coordinating unit:	295 - EEBE - Barcelona East School of Engineering
Teaching unit:	745 - EAB - Department of Agri-Food Engineering and Biotechnology
Academic year:	2019
Degree:	BACHELOR'S DEGREE IN ELECTRICAL ENGINEERING (Syllabus 2009). (Teaching unit Optional) BACHELOR'S DEGREE IN MECHANICAL ENGINEERING (Syllabus 2009). (Teaching unit Optional) BACHELOR'S DEGREE IN CHEMICAL ENGINEERING (Syllabus 2009). (Teaching unit Optional) BACHELOR'S DEGREE IN BIOMEDICAL ENGINEERING (Syllabus 2009). (Teaching unit Optional) BACHELOR'S DEGREE IN ENERGY ENGINEERING (Syllabus 2009). (Teaching unit Optional) BACHELOR'S DEGREE IN ENERGY ENGINEERING (Syllabus 2009). (Teaching unit Optional) BACHELOR'S DEGREE IN ELECTRICAL ENGINEERING (Syllabus 2009). (Teaching unit Optional) BACHELOR'S DEGREE IN INDUSTRIAL ELECTRONICS AND AUTOMATIC CONTROL ENGINEERING (Syllabus 2009). (Teaching unit Optional) BACHELOR'S DEGREE IN BIOMEDICAL ENGINEERING (Syllabus 2009). (Teaching unit Optional) BACHELOR'S DEGREE IN CHEMICAL ENGINEERING (Syllabus 2009). (Teaching unit Optional) BACHELOR'S DEGREE IN MECHANICAL ENGINEERING (Syllabus 2009). (Teaching unit Optional) BACHELOR'S DEGREE IN INDUSTRIAL ELECTRONICS AND AUTOMATIC CONTROL ENGINEERING (Syllabus 2009). (Teaching unit Optional) BACHELOR'S DEGREE IN MATERIALS ENGINEERING (Syllabus 2010). (Teaching unit Optional)
ECTS credits:	9
Teaching languages:	English

### Teaching staff

Coordinator:	SANTIAGO MANUEL REHECHO MURIAS
Others:	Primer quadrimestre: SANTIAGO MANUEL REHECHO MURIAS - M10, T10

### Opening hours

Timetable:	Tuesdays: 17.30-18.30 Fridays: 10.00-11.00
	Office A5.37

### 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.

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### Teaching methodology

- Listening Comprehension
- Reading Comprehension
- Group work
- Pair work
- Expository lectures
- Group presentations

### 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 text 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

Total learning time: 225h	Hours large group:	90h	40.00%
	Hours medium group:	0h	0.00%
	Hours small group:	0h	0.00%
	Guided activities:	0h	0.00%
	Self study:	135h	60.00%

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### Content

1.- Metals	Learning time: 22h 30m Theory classes: 9h Self study : 13h 30m
2.- Measurement	Learning time: 22h 30m Theory classes: 13h 30m Self study : 9h
3.- Design and function	Learning time: 22h 30m Theory classes: 9h Self study : 13h 30m
4.- Energy, heat and work	Learning time: 22h 30m Theory classes: 9h Self study : 13h 30m
5.- Control devices	Learning time: 22h 30m Theory classes: 9h Self study : 13h 30m
6.- Pumps	Learning time: 22h 30m Theory classes: 9h Self study : 13h 30m
7.- Air-conditioning systems	Learning time: 22h 30m Theory classes: 9h Self study : 13h 30m

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8.- Diesel engines	Learning time: 22h 30m Theory classes: 9h Self study : 13h 30m
9.- Data communications	Learning time: 22h 30m Theory classes: 9h Self study : 13h 30m
10.- Electric power systems	Learning time: 22h 30m Theory classes: 9h Self study : 13h 30m

### Qualification system

- Exam units 1 - 5: 30%
- Exam units 6 - 10: 30%
- Presentation: 10%
- 2 Listening Comprehension tests in class: 15%
- 2 Reading Comprehension tests in class: 15%

There is NO re-assessment.

### Bibliography

#### Basic:

Johnson, David. General engineering. New York [etc.]: Prentice Hall, 1992. ISBN 0132802805.

Mann, Malcom; Taylore-Knowles, Steve. Destination B2 : Grammar & Vocabulary. 2nd ed. Oxford: MacMillan, 2008. ISBN 0230035396.

#### Complementary:

Collins diccionario inglés = Collins Spanish dictionary. 9th ed. Barcelona: Random House, 2009. ISBN 9788425343179.

Beigbeder Atienza, Federico. Diccionario politécnico de las lenguas española e inglesa = Polytechnic dictionary of Spanish and English languages. 3a ed. Madrid: Díaz de Santos, 2008. ISBN 9788479788711.

Ibbotson, Mark. Cambridge english for engineering. Cambridge: Cambridge University, 2008. ISBN 9780521715188.