

820091 - TEEN - Technical English for Engineers

Coordinating unit:	295 - EEBE - Barcelona East School of Engineering
Teaching unit:	745 - EAB - Department of Agri-Food Engineering and Biotechnology
Academic year:	2015
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 CHEMICAL 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 MECHANICAL ENGINEERING (Syllabus 2009). (Teaching unit Optional) BACHELOR'S DEGREE IN INDUSTRIAL ELECTRONICS AND AUTOMATIC CONTROL ENGINEERING (Syllabus 2009). (Teaching unit Optional)
ECTS credits:	6
Teaching languages:	English

Teaching staff

Coordinator:	Santiago Rehecho Murias
Others:	Santiago Rehecho Murias

Opening hours

Timetable:	- Mondays: 17.30 - 18.30 - Fridays: 10.00 - 11.00 - Room BA18 (ground floor)
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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 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

Total learning time: 150h	Hours large group:	60h	40.00%
	Self study:	90h	60.00%

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Content

1.- Metals	Learning time: 18h 45m Theory classes: 7h 30m Self study : 11h 15m
(ENG) 2.- Mediciones	Learning time: 18h 45m Theory classes: 7h 30m Self study : 11h 15m
(ENG) 2.- Mesuraments	Learning time: 18h 45m Theory classes: 7h 30m Self study : 11h 15m
2.- Measurement	Learning time: 18h 45m Theory classes: 7h 30m Self study : 11h 15m
(ENG) 3.- Diseño y función	Learning time: 18h 45m Theory classes: 7h 30m Self study : 11h 15m
(ENG) 3.- Dissent i funció	Learning time: 18h 45m Theory classes: 7h 30m Self study : 11h 15m
3.- Design and function	Learning time: 18h 45m Theory classes: 7h 30m Self study : 11h 15m

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(ENG) 4.- Energia, calor i treball	Learning time: 18h 45m Theory classes: 7h 30m Self study : 11h 15m
(ENG) 4.- Energía, calor y trabajo	Learning time: 18h 45m Theory classes: 7h 30m Self study : 11h 15m
4.- Energy, heat and work	Learning time: 18h 45m Theory classes: 7h 30m Self study : 11h 15m
(ENG) 5.- Dispositivos de control	Learning time: 18h 45m Theory classes: 7h 30m Self study : 11h 15m
(ENG) 5.- Dispositius de control	Learning time: 18h 45m Theory classes: 7h 30m Self study : 11h 15m
5.- Control devices	Learning time: 18h 45m Theory classes: 7h 30m Self study : 11h 15m
(ENG) 6.- Bombas	Learning time: 18h 45m Theory classes: 7h 30m Guided activities: 11h 15m

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(ENG) 6.- Bombes	Learning time: 18h 45m Theory classes: 7h 30m Self study : 11h 15m
6.- Pumps	Learning time: 18h 45m Theory classes: 7h 30m Self study : 11h 15m
(ENG) 7.- Sistemas de aire acondicionado	Learning time: 18h 45m Theory classes: 7h 30m Self study : 11h 15m
(ENG) 7.- Sistemes d'aire condicionat	Learning time: 18h 45m Theory classes: 7h 30m Self study : 11h 15m
7.- Air-conditioning systems	Learning time: 18h 45m Theory classes: 7h 30m Self study : 11h 15m
(ENG) 8.- Motores diesel	Learning time: 18h 45m Theory classes: 7h 30m Self study : 11h 15m
(ENG) 8.- Motors diesel	Learning time: 18h 45m Theory classes: 7h 30m Self study : 11h 15m

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8.- Diesel engines	Learning time: 18h 45m Theory classes: 7h 30m Self study : 11h 15m
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Qualification 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).