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: 2017
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 REHECHO MURIAS
Others: SANTIAGO REHECHO MURIAS

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

<table>
<thead>
<tr>
<th>Total learning time: 225h</th>
<th>Hours large group: 90h</th>
<th>40.00%</th>
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<tbody>
<tr>
<td></td>
<td>Hours medium group: 0h</td>
<td>0.00%</td>
</tr>
<tr>
<td></td>
<td>Hours small group: 0h</td>
<td>0.00%</td>
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<tr>
<td></td>
<td>Guided activities: 0h</td>
<td>0.00%</td>
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<tr>
<td></td>
<td>Self study: 135h</td>
<td>60.00%</td>
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## Content

<table>
<thead>
<tr>
<th>Topic</th>
<th>Learning time: 22h 30m</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.- Metals</td>
<td></td>
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<tr>
<td></td>
<td>Theory classes: 9h</td>
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<tr>
<td></td>
<td>Self study: 13h 30m</td>
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<tr>
<td>2.- Measurement</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Theory classes: 13h 30m</td>
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<td></td>
<td>Self study: 9h</td>
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<td>3.- Design and function</td>
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<tr>
<td></td>
<td>Theory classes: 9h</td>
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<td></td>
<td>Self study: 13h 30m</td>
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<td>4.- Energy, heat and work</td>
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<tr>
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<td>Theory classes: 9h</td>
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<td></td>
<td>Self study: 13h 30m</td>
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<td>5.- Control devices</td>
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<td>Theory classes: 9h</td>
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<td>Self study: 13h 30m</td>
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<tr>
<td>6.- Pumps</td>
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<td></td>
<td>Self study: 13h 30m</td>
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<td>7.- Air-conditioning systems</td>
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<td></td>
<td>Theory classes: 9h</td>
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<tr>
<td></td>
<td>Self study: 13h 30m</td>
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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:


Complementary:

