820073 - CTE - Communication in Technical English

Coordinating unit: 295 - EEBE - Barcelona East School of Engineering
Teaching unit: 745 - DEAB - 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

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

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

<table>
<thead>
<tr>
<th>Learning time: 22h 30m</th>
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</thead>
<tbody>
<tr>
<td>Theory classes: 9h</td>
</tr>
<tr>
<td>Self study: 13h 30m</td>
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</table>

9.- Data communications

<table>
<thead>
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<tr>
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<td>Self study: 13h 30m</td>
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10.- Electric power systems

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<tbody>
<tr>
<td>Theory classes: 9h</td>
</tr>
<tr>
<td>Self study: 13h 30m</td>
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</tbody>
</table>

Qualification system

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

There is NO re-assessment.

Bibliography

Basic:


Complementary: