Course guides
820073 - CTE - Communication in Technical English

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

Degree: BACHELOR'S DEGREE IN INDUSTRIAL ELECTRONICS AND AUTOMATIC CONTROL ENGINEERING (Syllabus 2009). (Optional subject).
BACHELOR'S DEGREE IN ELECTRICAL ENGINEERING (Syllabus 2009). (Optional subject).
BACHELOR'S DEGREE IN MECHANICAL ENGINEERING (Syllabus 2009). (Optional subject).
BACHELOR'S DEGREE IN CHEMICAL ENGINEERING (Syllabus 2009). (Optional subject).
BACHELOR'S DEGREE IN BIOMEDICAL ENGINEERING (Syllabus 2009). (Optional subject).
BACHELOR'S DEGREE IN ENERGY ENGINEERING (Syllabus 2009). (Optional subject).
BACHELOR'S DEGREE IN MATERIALS ENGINEERING (Syllabus 2010). (Optional subject).

Academic year: 2020  ECTS Credits: 9.0  Languages: English

LECTURER

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

Segon quadrimestre: SANTIAGO MANUEL REHECHO MURIAS - M10, T10

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 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>Type</th>
<th>Hours</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hours large group</td>
<td>90,0</td>
<td>40.00</td>
</tr>
<tr>
<td>Self study</td>
<td>135,0</td>
<td>60.00</td>
</tr>
</tbody>
</table>

Total learning time: 225 h

CONTENTS

1.- Metals

**Full-or-part-time:** 22h 30m
Theory classes: 9h
Self study : 13h 30m

2.- Measurement

**Full-or-part-time:** 22h 30m
Theory classes: 13h 30m
Self study : 9h

3.- Design and function

**Full-or-part-time:** 22h 30m
Theory classes: 9h
Self study : 13h 30m

4.- Energy, heat and work

**Full-or-part-time:** 22h 30m
Theory classes: 9h
Self study : 13h 30m
5.- Control devices

**Full-or-part-time:** 22h 30m  
Theory classes: 9h  
Self study: 13h 30m

6.- Pumps

**Full-or-part-time:** 22h 30m  
Theory classes: 9h  
Self study: 13h 30m

7.- Air-conditioning systems

**Full-or-part-time:** 22h 30m  
Theory classes: 9h  
Self study: 13h 30m

8.- Diesel engines

**Full-or-part-time:** 22h 30m  
Theory classes: 9h  
Self study: 13h 30m

9.- Data communications

**Full-or-part-time:** 22h 30m  
Theory classes: 9h  
Self study: 13h 30m

10.- Electric power systems

**Full-or-part-time:** 22h 30m  
Theory classes: 9h  
Self study: 13h 30m

**GRADING 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: