Course guide
820073 - CTE - Communication in Technical English

Unit in charge: Barcelona East School of Engineering
Teaching unit: 756 - THATC - Department of History and Theory of Architecture and Communication Techniques.

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

Academic year: 2022    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 documents

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

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**GRADING SYSTEM**
- Exam units 1 - 5: 40%
- Exam units 6 - 10: 40%
- Presentation: 15%
- Tasks: 5%

There is NO re-assessment.
EXAMINATION RULES.

During the exams, the use of electronic devices, such as mobile phones, tablets or smart watches, is not allowed. The presentation is not a reading exercise. The use of paper notes or electronic devices will not be allowed. The only accepted support is the screen with presentation software (PowerPoint, Prezi, etc...)

BIBLIOGRAPHY

Basic:

Complementary: