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| Centre | University College of Engineering of Vitoria-Gasteiz |
| Name of subject | 26002 – English for Industrial Engineering |
| Qualification | Degree in Mechanical Engineering |
| Type | Elective |
| Credits | 6 ECTS |
| Year | 4 |
| Term(s) | 1st |
| Department | English and German Philology |
| Language | English |

Outcomes / Objectives

The learning process is essentially a training operation aimed at providing students with skills that will enable them to address certain clearly defined tasks. This process will be implemented with the use of content-based materials along with exercises and activities designed for the specific needs of the student.

Syllabus

UNDERSTAND TECHNICAL TEXTS CLEARLY AND EXTRACT THE MAIN IDEAS. Sentence clarity: sentence types and variety. Clarity and Concision. Punctuation. Active vs Passive. UNDERSTAND PARAGRAPH CHARACTERISTICS AND TEXT ORGANISATION. Coherence. Linking of ideas. Introductions and Conclusions. DEVELOP TECHNICAL TEXT PATTERNS AND TEXT SCANNING. Prepare examples. Make classifications. Logical division. Prepare summaries. CONTRAST AND COMPARISON. Cause and effect. Definition. Comparison of quantities. DESCRIPTION, NARRATION AND ARGUMENTATION. Tell a story objectively. Describe experiments. Convince someone of a particular point of view. REPORTS FOR COMMUNICATING AUTHENTIC INFORMATION. THE FORMAL DOCUMENT. Format for informal reports. Letters. Format for formal and technical reports. Proposals. VISUAL AIDS IN THE TECHNICAL TEXT. Characteristics of English for Science and Technique, expressed in non-linguistic form. The functions of visual aids. The use of transfer of information in the classroom. ORAL REPORTS IN THE SCIENTIFIC/TECHNICAL CONTEXT. Preparation. Organisation. Deliveries/Distributions. Interaction in the group. Expressing probability and forecasts. DEVELOPMENT OF SOCIAL LANGUAGE IN A PROFESSIONAL CONTEXT. Greetings. Presentations. How to find the way. Asking for and giving instructions. Starting a conversation. Calling/Drawing Attention. Interrupting. Expressing beliefs or opinions, doubts, praise, guilt,... RESEARCH. NOTES ON TECHNICAL WRITING. The use of the library. Note taking. Interpretation of facts. Standard abbreviations for Science and Engineering terminology. Compounds. Figures.

Methodology

Teaching Method

Face-to-Face Teaching Hours

| Lectures | Seminars | Classroom practice | Lab. practice | Computer sessions | Clinical practice | Workshops | Industrial workshops | Field practice |
|----------|----------|--------------------|---------------|-------------------|-------------------|-----------|----------------------|----------------|
| 45 | 15 | | | | | | | |

Student Hours of Non Face-To-Face Activities

| Lectures | Seminars | Classroom practice | Lab. practice | Computer sessions | Clinical practice | Workshops | Industrial workshops | Field practice |
|----------|----------|--------------------|---------------|-------------------|-------------------|-----------|----------------------|----------------|
| 60 | 30 | | | | | | | |

Assessment System

General criteria

Clarification regarding assessment

Compulsory materials

Authentic and simulated-authentic (tailor-made) materials, directly related to the learner's subject-matter interests, delivered by the Professor.

Bibliography

Basic Bibliography

- E. & N. GLENDINNING. Oxford English for Electrical and Mechanical Engineering. Oxford: Oxford University Press. Student's book.
- Oxford Advanced Learner's Dictionary. 7th edition. Oxford University Press.
- M. CARRIÓ. English for Industrial Engineering. Valencia: Universidad Politécnica de Valencia.
- Anne A. PAÑARES. A Handbook of English for Technical Students. Maxwell Macmillan International.

In-depth Bibliography

- T. DUDLEY-EVANS. Writing Laboratory Reports. Australia: Nelson Wadsworth.
- F. ZIMMERMAN. English for Science. New Jersey: Prentice Hall.
- L. E. BOLAÑOS MEDINA. Working on English for Industrial Engineering. Las Palmas de Gran Canaria: ETSII, Dpto. de Filología Moderna.
- Online Activities in English for Engineering Purposes. Valencia: Dpto. de Lingüística Aplicada de la Universidad Politécnica de Valencia.

Magazines

- www. doaj.org (open access journals)
- Any English-written Journal related to Industrial Engineering

Websites

- www. audioenglish.net
- <http://ie.tamu.edu>
- http://jobsearch.about.com/od/jobapplications/Job_Applications.htm