PERSONA CIÈNCIA EMPRESA
UNIVERSITAT RAMON LLULL

COURSE: ORAL AND WRITTEN COMMUNICATION

SUBJECT MATTER: Oral and Written Communication
MODULE: Professional Supplements
PROGRAM: Degree in Chemical Engineering

GENERAL CHARACTERISTICS

Type: ☐ Basic Formation, ☑ Compulsory, ☐ Elective
☐ Final Degree Project, ☐ Internship

Duration: Semestral **Semester/s**: 5
Number of ECTS credits: 3
Language/s: English

DESCRIPTION

BRIEF DESCRIPTION AND JUSTIFICATION

This English course covers all four of the major linguistic skills of oral expression, oral comprehension, written expression and written comprehension. The aim of the course is to enable students to attain at least B2 in the Common European Framework.

Students need to participate actively in all classes throughout the course and also work independently in order to improve their linguistic skills. Students will also learn effective communication skills for scientific and technical professionals and prepare project presentations. At the end of the course they should be able to both give and understand presentations and speeches as well as being able to participate in meetings conducted entirely in English.

COMPETENCES

- Ability to understand and use general knowledge of Technical English in the practice of Chemical Engineering. (E3, CB1).
- Ability to communicate effectively both orally and in writing. (CB4).
- Ability to use English as a foreign language. (CG1).
- Knowledge of technical English at a minimum level equivalent to B2 (The Common European Framework of Reference for Languages: Learning, Teaching, Assessment CEF) (CP2).

PREREQUISITES

According to the program planning and academic regulations.

CONTENTS

Extensive practice of all linguistic skills and preparation for the TOEFL IBT exam.

Glossary of specific vocabulary.

A selection of texts covering these areas (below):

- Organic Chemistry: Radical Reactions.
- Free Radicals.
- Conformations and configurations.
- Pentavalent Carbon.
- Thermodynamic properties of real fluids.
- Thermodynamic and Kinetic Control
- Chemical Reaction Equilibria
- Catalyst Components
- Electron Microscopy
- Carbon Nanotubes
- Cycle and Crono cycle graphs
- Carboxylic Acid Introduction (LC)
- Organic Molecules (LC)

Handling material

Project Presentations.

Grammatical content to include:

- All verbal tenses.
- Modal verbs.
- The passive voice.
- Comparative and superlatives.
- Conditionals and hypothetical structures.
- Direct and indirect questions.
- Transitive and intransitive verbs.
- Gerunds and Infinitives.
- Phrasal verbs.
- The advanced use of adjectives and adverbs.
- Negative Inversions.

METHODOLOGY

LEARNING ACTIVITIES

Learning Activities	Hours	ECTS Credits	Competences
Lectures	8	0.4	CB1, E3, CB4, CG1, CP2
Case and Problem-Solving Sessions	27	1	CB1, E3, CB4, CG1, CP2
Seminars	-	-	-
Practical & Lab Work	-	-	-
Presentations	8	0.4	CB1, E3, CB4, CG1, CP2
Personal study	35	1.1	CB1, E3, CB4, CG1, CP2
Assessment Tasks (Exams, Continuous Assessment...)	3	0.1	CB1, E3, CB4, CG1, CP2
TOTAL	**81**	**3**	

TEACHING METHODOLOGY

This is an integrated course in which all four linguistic skills are exercised thoroughly. Semantic fields are based on different Chemical Engineering and Chemical topics. Specific vocabulary is studied in depth and ample opportunity given for practicing it. Written project work is set and deadlines for submitting this work must be met. The course also includes presentation preparation, grammar exercises and reading comprehension.

ASSESSMENT

ASSESSMENT METHODS

Assessment Methods	Weight	Competences
Final Exam	40%	CB1, E3, CB4, CG1, CP2
Midterm Exam/s	40%	CB1, E3, CB4, CG1, CP2
Follow-up Activities	5%	CB1, E3, CB4, CG1, CP2
Reports and Presentations	10%	CB1, E3, CB4, CG1, CP2
Lab or Field Work	-	-
Projects	-	-
Host Student Evaluation	-	-
Participation	5%	CB1, E3, CB4, CG1, CP2

LEARNING OUTCOMES

- The student must demonstrate ability to understand and use general knowledge of technical English in the practice of Chemistry [CB1, E3, CP2].
- The student must demonstrate ability to communicate effectively both orally and in writing using English as a Foreign Language [CB4, CG1, CP2].

QUALIFICATION

First examination session:

Final exam	40%
Partial exam	40%
Follow-up activities	5%
Papers and presentations	10%
Participation	5%

Following examination sessions:

Exam	100%
Follow-up activities	-
Papers and presentations	-
Participation	-

ASSESSMENT OF THE COMPETENCES

The exam mark is used to evaluate the competency CB1, E3.

The mark of papers and presentations is used to assess competency CB4.

Overall mark will be used to evaluate the competencies CG1 and CP2.

BIBLIOGRAPHY

- Murphy, R. (1994). English Grammar in Use: Cambridge: Cambridge University Press.
- The complete guide to the TOEFL test IBT (HEINLE/CENGAGE) IBT edition. Bruce Rogers.

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HISTORICAL DOCUMENT

PREVIOUS REVISIONS

CURRENT REVISION
September 2018: Clodagh O'Leary <coleary@iccic.edu>