COURSE OUTLINE

(1) GENERAL

SCHOOL	SCHOOL OF SCIENCES		
DEPARTMENT	DEPARTMENT OF CHEMISTRY		
LEVEL OF STUDIES	ISCED level 6 – Bachelor's or equivalent level		
COURSE CODE	YN105	**SEMESTER**	1st Semester
COURSE TITLE	English I		

TEACHING ACTIVITIES *If the ECTS Credits are distributed in distinct parts of the course e.g. lectures, labs etc. If the ECTS Credits are awarded to the whole course, then please indicate the teaching hours per week and the corresponding ECTS Credits.*	**TEACHING HOURS PER WEEK**	**ECTS CREDITS**
	3	3
Please, add lines if necessary. Teaching methods and organization of the course are described in section 4.		

COURSE TYPE *Background, General Knowledge, Scientific Area, Skill Development*	General Background
PREREQUISITES:	NO
TEACHING & EXAMINATION LANGUAGE:	ENGLISH-GREEK
COURSE OFFERED TO ERASMUS STUDENTS:	NO
COURSE URL:	https://eclass2.emt.duth.gr/courses/CHEM-N1105/

(2) LEARNING OUTCOMES

Learning Outcomes
Please describe the learning outcomes of the course: Knowledge, skills and abilities acquired after the successful completion of the course.

The course aims to familiarize students with the basic terminology of chemical science in English. Upon successful completion of the course, students will be able to:

1. Fully understand the basic terminology of chemical science in English in written and spoken language.
2. Describe basic chemical processes in writing and orally and give instructions in English.
3. Be familiar with chemical laboratory equipment, safety measures, and basic methods for finding scientific literature in English.

General Skills
Name the desirable general skills upon successful completion of the module

Search, analysis and synthesis of data and information,
ICT Use
Adaptation to new situations
Decision making
Autonomous work
Teamwork
Working in an international environment
Working in an interdisciplinary environment
Production of new research ideas
Project design and management
Equity and Inclusion
Respect for the natural environment
Sustainability
Demonstration of social, professional and moral responsibility and sensitivity to gender issues
Critical thinking
Promoting free, creative and inductive reasoning

Search, analysis and synthesis of data and information, Autonomous work, Working in an international environment

(3) COURSE CONTENT

Week 1: States of matter, properties of matter.
Week 2: Physical and chemical properties.
Week 3: Periodic table.
Week 4: Surface tension, energy types.
Week 5: Atomic structure.
Week 6: Physical interactions and cycles.
Week 7: Chemical interactions and cycles.
Week 8: Laboratory Safety Issues.
Week 9: Laboratory glassware and hardware.
Week 10: Chemical Reactions.
Week 11: Bonding and Intermolecular Forces.
Week 12: Separation techniques.
Week 13: Scientific method, experimental science, primary research, replication, reproducibility, peer reviewed journals.

(4) LEARNING & TEACHING METHODS - EVALUATION

TEACHING METHOD *Face to face, Distance learning, etc.*	Face to face
USE OF INFORMATION & COMMUNICATIONS TECHNOLOGY (ICT) *Use of ICT in Teaching, in Laboratory Education, in Communication with students*	Use of ICT in Teaching Use of ICT in Communication with students
TEACHING ORGANIZATION *The ways and methods of teaching are described in detail.* *Lectures, Seminars, Laboratory Exercise, Field Exercise, Bibliographic research & analysis, Tutoring, Internship (Placement), Clinical Exercise, Art Workshop, Interactive learning, Study visits, Study / creation, project, creation, project. Etc.* *The supervised and unsupervised workload per activity is indicated here, so that total workload per semester complies to ECTS standards.*	**Activity** / **Workload/semester** Lectures: 39 Study: 65 Total: 104
STUDENT EVALUATION *Description of the evaluation process* *Assessment Language, Assessment Methods, Formative or Concluding, Multiple Choice Test, Short Answer Questions, Essay Development Questions, Problem Solving, Written Assignment, Essay / Report, Oral Exam, Presentation in audience, Laboratory Report, Clinical examination of a patient, Artistic interpretation, Other/Others* *Please indicate all relevant information about the course assessment and how students are informed*	Students are assessed by means of a final written exam in English, which includes: 1. Examination of basic concepts/definitions 2. Short-answer questions testing comprehension of the text 3. Multiple-choice questions

(5) SUGGESTED BIBLIOGRAPHY

– 1. English for Chemistry EAP, Κατσαμποξάκη-Hodgetts Κάλλια, Εκδόσεις Δίσιγμα, 2017
– 2. The Chemistry Between Us, Βασιλική Ριζομυλιώτη, Ζωή Μαλιβίτση, Εκδόσεις Αθανάσιου Αλτιντζή, 2021