

COURSE OUTLINE

(1) GENERAL

SCHOOL	ENGINEERING SCHOOL		
ACADEMIC UNIT	DEPARTMENT OF CIVIL ENGINEERING		
LEVEL OF STUDIES	UNDER GRADUATE		
COURSE CODE	2306538	SEMESTER	6TH
COURSE TITLE	FOREIGN (ENGLISH)TECHNICAL TERMINOLOGY		
INDEPENDENT TEACHING ACTIVITIES		WEEKLY TEACHING HOURS	CREDITS
Lectures		2	
Laboratory			
			3
COURSE TYPE	General Knowledge		
PREREQUISITE COURSES:			
LANGUAGE OF INSTRUCTION and EXAMINATIONS:	English		
IS THE COURSE OFFERED TO ERASMUS STUDENTS	YES		
COURSE WEBSITE (URL)			

(2) LEARNING OUTCOMES

Upon completion of the course students will be able to:

- Understand scientific texts relative to the field of Civil Engineering, either globally (global understanding) or thoroughly (scanning-thorough comprehension)
- Acquire the terminology and syntax of scientific texts through various methods and techniques
- Analyze the structure and organization elements of scientific speech on multiple levels (sentence, paragraph, text)
- Produce oral speech and construct written speech of multiple forms (instructions, description of components, functions and processes, essay writing, reports, professional mail etc.)

Specifically, students will be able to:

- Acquire and use technical vocabulary, terminology and structure connected to the field of Civil Engineering
- Extract specific information from texts about components, devices, structures, and processes
- Identify devices, components, structures, processes and explain their function
- Understand the structure and function of devices and components
- Recognize differences between types of devices and components
- Understand the relation between structures, components and processes
- Understand the features and technical specifications of different components and devices
- Describe devices, components, structures, and processes
- Discriminate between different types of processes

General Competences

- Search, analysis and synthesis of data and information, through multiple form exercises in the English Language specific to the field of Civil Engineering.
- Working independently, either at home or during classes.
- Team work producing written or oral speech, in low-number teams during classes.
- Working in an international environment: Communicative competence in the English Language.
- Working in an interdisciplinary environment: reception and production of both written and oral speech in the English Language.
- Respect for difference and multiculturalism
- Criticism and self-criticism
- Production of free, creative and inductive thinking

(3) SYLLABUS

- THE REQUIREMENTS OF A BUILDING(materials and technical ability, performance requirements)
- DURABILITY (changes in appearance, physical deterioration, intended life span).
- SITE CONSIDERATIONS – INITIAL SITE WORKS
- EXCAVATION – FOUNDATION (function, design, foundation

<p>construction)</p> <ul style="list-style-type: none"> • CONSTRUCTION METHODS I (materials, construction) • CONSTRUCTION METHODS II (materials, block/ cavity walls) • STRENGTH AND STABILITY (dead, live, wind loads, structural organization) • STRUCTURES (continuous structures, framed structures) • STEEL CONSTRUCTION (wall-bearing construction, skeleton-framing, long-span construction) • REINFORCED CONCRETE • COST PLANNING • ENVIRONMENTAL PROTECTION

(4) TEACHING and LEARNING METHODS - EVALUATION

DELIVERY	Lectures in class, face-to-face, English Language Computer Laboratory <i>with related software</i>	
USE OF INFORMATION AND COMMUNICATIONS TECHNOLOGY	Teaching using ICT, Laboratory Education using ICT, Communication and Electronic Submission of projects	
TEACHING METHODS	<i>Activity</i>	<i>Semester workload</i>
	Lectures	40
	Laboratory	30
	Self-study	20
	Course total	90
STUDENT PERFORMANCE EVALUATION	<p>Written examination: 100%</p> <p>Optional project preparation and presentation: up to 20%, added to total score</p>	

(5) ATTACHED BIBLIOGRAPHY

<ol style="list-style-type: none"> 1. TECHNICAL ENGLISH FOR CIVIL ENGINEERS, SURVEYORS AND ARCHITECTS (Mary Vatidou, Georgia Lambrakou-Vitis synchroni ekdotiki) 2. TEACHING NOTES 3. INTERNETSOURCES 4. AUTHENTIC READING TEXTS
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