# COURSE OUTLINE

## (1) GENERAL

<table>
<thead>
<tr>
<th>SCHOOL</th>
<th>ENGINEERING SCHOOL</th>
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<tbody>
<tr>
<td>ACADEMIC UNIT</td>
<td>DEPARTMENT OF CIVIL ENGINEERING</td>
</tr>
<tr>
<td>LEVEL OF STUDIES</td>
<td>UNDER GRADUATE</td>
</tr>
<tr>
<td>COURSE CODE</td>
<td>2306538</td>
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<tr>
<td>SEMESTER</td>
<td>6TH</td>
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<tr>
<td>COURSE TITLE</td>
<td>FOREIGN (ENGLISH) TECHNICAL TERMINOLOGY</td>
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### INDEPENDENT TEACHING ACTIVITIES

| 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
construction)
• 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

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

(5) ATTACHED BIBLIOGRAPHY

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