

## COURSE OUTLINE

### (1) GENERAL

SCHOOL	ENGINEERING SCHOOL		
ACADEMIC UNIT	CIVIL ENGINEERING DEPARTMENT		
LEVEL OF STUDIES	UNDER GRADUATE		
COURSE CODE	230 6527	SEMESTER	6 <sup>th</sup>
COURSE TITLE	Organization and Management of Civil Engineer Projects		
<b>INDEPENDENT TEACHING ACTIVITIES</b>		<b>WEEKLY TEACHING HOURS</b>	<b>CREDITS</b>
<i>if credits are awarded for separate components of the course, e.g. lectures, laboratory exercises, etc. If the credits are awarded for the whole of the course, give the weekly teaching hours and the total credits</i>			
Lectures		3	3
<i>Add rows if necessary. The organisation of teaching and the teaching methods used are described in detail at (d).</i>			
<b>COURSE TYPE</b> <i>general background, special background, specialised general knowledge, skills development</i>	Specialized Knowledge, skills development		
<b>PREREQUISITE COURSES:</b>			
<b>LANGUAGE OF INSTRUCTION and EXAMINATIONS:</b>	Greek (official)- English (optional)		
<b>IS THE COURSE OFFERED TO ERASMUS STUDENTS</b>	YES		
<b>COURSE WEBSITE (URL)</b>	<a href="http://civil.teipir.gr/web/index.php?page=alias-51">http://civil.teipir.gr/web/index.php?page=alias-51</a>		

## (2) LEARNING OUTCOMES

### Learning outcomes

The course learning outcomes, specific knowledge, skills and competences of an appropriate level, which the students will acquire with the successful completion of the course are described.

Consult Appendix A

- Description of the level of learning outcomes for each qualifications cycle, according to the Qualifications Framework of the European Higher Education Area
- Descriptors for Levels 6, 7 & 8 of the European Qualifications Framework for Lifelong Learning and Appendix B
- Guidelines for writing Learning Outcomes

### A) Theoretical part Description:

Project selection (Configuration of ideas- Objectives and procedures; Project description- required resources- Time programming- Costing actions and effect; Organization of the project; Restrictions on application)

Organization and implementation procedures (Integrated organizational structure; Factors of influence Management, liaison with other organizational units of Organogramma- Consulting drives execution units and operations; foreign assistance; Phases of execution- Control procedures; analysis- Evaluation and Future Planning

Monitoring Methods (File Organization - Programs typology- Statistics analysis-

Methods of progress- shows progress; Collective and individual responsibility

Completion of the project (Economics course sizes; sizes; exclusion from the planned sizes; - Diapiric cost-benefit relationship for the future planning - maintenance- Evaluation- Connecting to a project)

### B) Laboratory Part Description:

Applications of the theory.

### General Competences

Taking into consideration the general competences that the degree-holder must acquire (as these appear in the Diploma Supplement and appear below), at which of the following does the course aim?

Search for, analysis and synthesis of data and information, with the use of the necessary technology

Adapting to new situations

Decision-making

Working independently

Team work

Working in an international environment

Working in an interdisciplinary environment

Production of new research ideas

Project planning and management

Respect for difference and multiculturalism

Respect for the natural environment

Showing social, professional and ethical responsibility and sensitivity to gender issues

Criticism and self-criticism

Production of free, creative and inductive thinking

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Others...

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Search for, analysis and synthesis of data and information, with the use of the necessary technology

Adapting to new situations

Decision-making

Working independently

Team work

Working in an international environment

Working in an interdisciplinary environment

Project planning and management

Respect for difference and multiculturalism

Respect for the natural environment

Showing social, professional and ethical responsibility and sensitivity to gender issues

Criticism

Production of free, creative and inductive thinking

### (3) Course content

Choice of a Project: Configuration of the idea - Objectives and procedures - Project description - required input – Scheduling - Costing and output - Project organization - Restrictions on application. Organization and application procedures: Integrated organizational structure-Factors of Influence - Management Liaison with other organizational units – Chart - Consulting units and units for performing the operations - Outdoor subscription - Execution phases - Control procedures - Evaluation and feedback - Future planning. Monitoring Methods: Organizing files - Programs computers - Statistical analyses –Prediction Methods – Progress Review - Collective and individual responsibility. Completion of the Project: Physical quantities - Financial Indicators - Deviations from the planned sizes - Cost-benefit relation - Outcomes for future planning – Maintenance - Tuning – Connection with projects.

### (4) TEACHING and LEARNING METHODS - EVALUATION

<b>DELIVERY</b> <i>Face-to-face, Distance learning, etc.</i>	Lectures, exercises, distance learning methods	
<b>USE OF INFORMATION AND COMMUNICATIONS TECHNOLOGY</b> <i>Use of ICT in teaching, laboratory education, communication with students</i>	Teaching using ICT, Laboratory Education using ICT, Communication and Electronic Submission	
<b>TEACHING METHODS</b> <i>The manner and methods of teaching are described in detail.</i> <i>Lectures, seminars, laboratory practice, fieldwork, study and analysis of bibliography, tutorials, placements, clinical practice, art workshop, interactive teaching, educational visits, project, essay writing, artistic creativity, etc.</i>  <i>The student's study hours for each learning activity are given as well as the hours of non-directed study according to the principles of the ECTS</i>	<b>Activity</b>	<b>Semester workload</b>
	Lectures	39
	Personal study	36
	Course total	75
<b>STUDENT PERFORMANCE EVALUATION</b> <i>Description of the evaluation procedure</i>  <i>Language of evaluation, methods of evaluation, summative or conclusive, multiple choice questionnaires, short-answer questions, open-ended questions, problem solving, written work, essay/report, oral examination, public presentation, laboratory work, clinical examination of patient, art interpretation, other</i>  <i>Specifically-defined evaluation criteria are given, and if and where they are accessible to students.</i>	<p><b>Written examination: 60%</b> <b>Laboratory exercise: 40%</b></p> <p>Optional job preparation and presentation of up to 24%, less than the proportion of written examination</p>	

### (5) ATTACHED BIBLIOGRAPHY

1.CONSTRUCTION MANAGEMENT OF THECNICAL PROJECTS: ANTONIOS KASTRINAKIS  
2.CONSTRUCTION MANAGEMENT, ORGANISATION OF CONSTRUCTION SITE, PANAGIOTIS GEORGAKOPOULOS

