

1.1.1 Project Management and Construction Site Management

GENERAL

SCHOOL	Engineering		
ACADEMIC UNIT	CIVIL ENGINEERING		
LEVEL OF STUDIES	Undergraduate		
COURSE CODE	ΣΥΓ006	SEMESTER	6th
COURSE TITLE	Project Management and Construction Site Management		
INDEPENDENT TEACHING ACTIVITIES <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>	WEEKLY TEACHING HOURS	CREDITS	
	4	4	
<i>Add rows if necessary. The organisation of teaching and the teaching methods used are described in detail at (d).</i>			
COURSE TYPE <i>general background, special background, specialised general knowledge, skills development</i>	Scientific Field		
PREREQUISITE COURSES:			
LANGUAGE OF INSTRUCTION and EXAMINATIONS:	Greek		
IS THE COURSE OFFERED TO ERASMUS STUDENTS	No		
COURSE WEBSITE (URL)			

LEARNING OUTCOMES

<p>Learning outcomes</p> <p><i>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.</i></p> <p>Consult Appendix A</p> <ul style="list-style-type: none"> • 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 												
<p>Upon completing this course students should be able to cite methods of economic investment evaluation, layout the organizational structure of a project, prepare project safety plans, analyze, describe and graphically depict the project's organizational structure and provide cost estimates (takeoffs) as well as activity duration estimates and finally create project time schedules as well as risk management plans.</p>												
<p>General Competences</p> <p><i>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?</i></p> <table style="width: 100%; border: none;"> <tr> <td style="width: 50%; border: none;"> <i>Search for, analysis and synthesis of data and information, with the use of the necessary technology</i> </td> <td style="width: 50%; border: none;"> <i>Project planning and management</i> </td> </tr> <tr> <td style="border: none;"> <i>Adapting to new situations</i> </td> <td style="border: none;"> <i>Respect for difference and multiculturalism</i> </td> </tr> <tr> <td style="border: none;"> <i>Decision-making</i> </td> <td style="border: none;"> <i>Respect for the natural environment</i> </td> </tr> <tr> <td style="border: none;"> <i>Working independently</i> </td> <td style="border: none;"> <i>Showing social, professional and ethical responsibility and sensitivity to gender issues</i> </td> </tr> <tr> <td style="border: none;"> <i>Team work</i> </td> <td style="border: none;"> <i>Criticism and self-criticism</i> </td> </tr> <tr> <td style="border: none;"> <i>Working in an international environment</i> </td> <td style="border: none;"> <i>Production of free, creative and inductive thinking</i> </td> </tr> </table>	<i>Search for, analysis and synthesis of data and information, with the use of the necessary technology</i>	<i>Project planning and management</i>	<i>Adapting to new situations</i>	<i>Respect for difference and multiculturalism</i>	<i>Decision-making</i>	<i>Respect for the natural environment</i>	<i>Working independently</i>	<i>Showing social, professional and ethical responsibility and sensitivity to gender issues</i>	<i>Team work</i>	<i>Criticism and self-criticism</i>	<i>Working in an international environment</i>	<i>Production of free, creative and inductive thinking</i>
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Working in an interdisciplinary environment Production of new research ideas Others...
The course contributes to the following skills: - Search for, analysis and synthesis of data and information, with the use of the necessary technology - Project planning and management - Decision-making	

SYLLABUS

Introduction to project management. Methods of project management and control. Methods of network analysis. Production resource scheduling. Cost estimation of projects and financial planning. Project control. Quality management. Health and safety management in projects.
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TEACHING and LEARNING METHODS - EVALUATION

DELIVERY <i>Face-to-face, Distance learning, etc.</i>	Face to face.	
USE OF INFORMATION AND COMMUNICATIONS TECHNOLOGY <i>Use of ICT in teaching, laboratory education, communication with students</i>	Powerpoint presentations, E-learning platform for educational material.	
TEACHING METHODS <i>The manner and methods of teaching are described in detail. 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. 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>	Activity	Semester workload
	Lectures	39
	Practice/exercises	13
	Project(s)	52
	Course total (26 hours workload per ECTS credit)	104
STUDENT PERFORMANCE EVALUATION <i>Description of the evaluation procedure 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 Specifically-defined evaluation criteria are given, and if and where they are accessible to students.</i>	Final written examination (100%) or Final written examination (70%) optional assignment (30%).	

ATTACHED BIBLIOGRAPHY

- [In Greek]. Πολύζος, Σ. (2004) Διοίκηση Διαχείριση των Έργων - Μέθοδοι και Τεχνικές, Κριτική, ISBN: 960-218-379-9.
- [In Greek]. Παναγιωτακόπουλος, Δ. (2008) «Εισαγωγή στο Χρονικό Προγραμματισμό των Κατασκευών», Ζυγός, Θεσσαλονικη
- [In Greek]. Δημητριάδης, Αντώνης. 2004. Διοίκηση, διαχείριση έργου – Project management. 3η

έκδοση. Αθήνα: Εκδόσεις Νέων Τεχνολογιών.