

COURSE OUTLINE

1. GENERAL INFORMATION

SCHOOL	MARITIME AND INDUSTRIAL STUDIES		
DEPARTMENT	INDUSTRIAL MANAGEMENT AND TECHNOLOGY		
LEVEL OF STUDY	POSTGRADUATE		
COURSE UNIT CODE	Δ-ΕΔΕ305	SEMESTER OF STUDY	3 rd
COURSE TITLE	AGILE PROJECT MANAGEMENT		
INDEPENDENT TEACHING ACTIVITIES <i>in case in which credits are awarded for separate components/parts of the course, e.g. in lectures, laboratory exercises, etc. If credits are awarded for the whole of the course, give the weekly teaching hours and the total credits</i>	WEEKLY TEACHING HOURS	CREDITS	
	3	3	
<i>Add rows if necessary. The organization of teaching and the teaching methods used are described in detail at section 4.</i>			
COURSE TYPE <i>general background, special background, specialized general knowledge, skills development</i>	Specialized general knowledge		
PREREQUISITE COURSES:			
LANGUAGE OF INSTRUCTION and EXAMINATION/ASSESSMENT:	Greek & English		
THE COURSE IS OFFERED TO ERASMUS STUDENTS			
COURSE WEBSITE (URL)			

2. LEARNING OUTCOMES

<p>LEARNING OUTCOMES</p> <p><i>The course learning outcomes, specific knowledge, skills and competences of an appropriate (certain) level, which students will acquire upon successful completion of the course, are described in detail. It is necessary to consult:</i></p> <p>APPENDIX A</p> <ul style="list-style-type: none"> • <i>Description of the level of learning outcomes for each qualifications' cycle, according to the European Higher Education Area's Qualification Framework.</i> • <i>Descriptors for Levels 6, 7 & 8 of the European Qualifications Framework for Lifelong Learning and APPENDIX B</i> • <i>Guidelines for writing Learning Outcomes</i>
<p>Since the presentation of the Agile Manifest in 2001, the agile approach in Project Management has broken the barriers of projects for software development and relevant products, and has been established as a key concept in the broader management and operation of an organization. The agile approach is particularly useful when one can't (or, does not wish to) identify the project contents from the beginning, when requirements are constantly changing, when the project is delivered in small steps, or when activities may easily be altered. This course presents the fundamentals of the agile approach, the basic agile methodologies, such as SCRUM and KANBAN, as well as the tools and techniques with which we may manage and implement an agile project. Additionally, the course deals with the business analysis framework of Project Management along with the agile and adaptive Project Management methodologies. The course operates as a culmination of the knowledge attained in the Project Management specialization.</p>
<p>General Competences</p> <p><i>Taking into consideration the general competences that students/graduates must acquire (as those are described in the Diploma Supplement and are mentioned below), at which of the following does the course attendance aims</i></p>
<p>The general competences that the student should have acquired and that the course is aimed at are:</p> <ul style="list-style-type: none"> • <i>Project planning and management</i> • <i>Social, professional and ethical responsibility and sensitivity to gender issues</i> • <i>Development of free, creative and inductive thinking</i>

3. COURSE CONTENT

The course fully covers the aspects of business analysis as well as the methodologies of Adaptive and Agile Project Management. The course structure follows the logic and recommendations of the Project Management Institute (PMI®). The tentative course schedule is given below:

Week	Course Content
1	Business Analysis Frameworks <ul style="list-style-type: none"> Task 2: Determine how to conduct stakeholder communication. Task 3: Determine how to gather requirements.
2	Business Analysis Frameworks <ul style="list-style-type: none"> Task 4: Demonstrate an understanding of product roadmaps Task 5: Determine how project methodologies influence business analysis processes. Task 6: Validate requirements through product delivery
3	Agile Frameworks and Methodologies <ul style="list-style-type: none"> Task 1: Explain when it is appropriate to use an adaptive approach Task 2: Determine how to plan project iterations
4	Agile Frameworks and Methodologies <ul style="list-style-type: none"> Task 3: Determine how to document project controls for an adaptive project
5	Agile Frameworks and Methodologies <ul style="list-style-type: none"> Task 4: Explain the components of an adaptive plan. Task 5: Determine how to prepare and execute task management steps.
6	Final Exam

4. TEACHING METHODS - ASSESSMENT

<p>TEACHING MODE <i>Face-to-face, in-class lecturing, on distance teaching and distance learning etc.</i></p>	<p>Weekly lectures using instructor presentations. At the end of each session, a discussion and overview is performed.</p>													
<p>USE OF INFORMATION AND COMMUNICATION TECHNOLOGY <i>Use of ICT in Teaching, Laboratory Education, Communication with students</i></p>	<p>Teaching: Lectures with audiovisual media, support of the learning process through the eclass platform. Laboratory Education: - Communication with students: Face-to-face at office hours, email, eclass</p>													
<p>COURSE DESIGN <i>Description of teaching techniques, practices and methods: Lectures, seminars, laboratory practice, fieldwork, study and analysis of bibliography, tutorials, clinical practice, Art Workshop, Interactive teaching, Educational visits, project, Essay writing, Artistic creativity, etc. The study hours for each learning activity as well as the hours of non- directed study are given according to the principles of the ECTS</i></p>	<table border="1"> <thead> <tr> <th>Activity / Method</th> <th>Semester Workload</th> </tr> </thead> <tbody> <tr> <td>Lectures</td> <td>15</td> </tr> <tr> <td>Self-study of lecture material</td> <td>50</td> </tr> <tr> <td>Exams (written)</td> <td>3</td> </tr> <tr> <td>Counselling</td> <td>7</td> </tr> <tr> <td>Course Total</td> <td>75</td> </tr> </tbody> </table>		Activity / Method	Semester Workload	Lectures	15	Self-study of lecture material	50	Exams (written)	3	Counselling	7	Course Total	75
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<p>STUDENT PERFORMANCE EVALUATION/ASSESSMENT METHODS <i>Detailed description of the evaluation procedures: Language of evaluation, assessment methods, formative or summative (conclusive), multiple choice questionnaires, short- answer questions, open-ended questions, problem solving, written work, Essay/report, oral exam, public presentation, laboratory work, art interpretation, other, etc.</i></p>	<p>Language of exams: Greek</p> <p>Assessment Methods: The assessment of the participants is assessed through a final exam with approximately seventy-five (75) multiple-choice questions. In case of failure, in the September re-sits, the grade of the course is formed based on the above scale.</p> <p>The evaluation of students with special learning difficulties in writing and reading (as certified and qualified by a competent institution) is performed according to the relevant procedure decided by the Department Assembly.</p> <p>The evaluation criteria are posted on eclass at the beginning of the semester. The course material, along with articles, audiovisual material, useful information, case studies and exercises, are posted on the eclass platform throughout the semester.</p>													

Evaluation criteria are specifically defined and given as well as if and where they are reported and accessible to students.

Notification of the Assessment Criteria: The evaluation criteria are made known during the first lecture and are clearly stated on the course website and/or eclass. Students have the opportunity to receive explanations about the grade they received.

5. SUGGESTED BIBLIOGRAPHY

Recommended literature:

- A Guide to the Project Management Body of Knowledge (PMBOK® Guide) – Project Management Institute (PMI®), 2021.

The entirety of the teaching material, along with the solutions of the lab exercises and the mock tests will be posted in the course web site.