

COURSE OUTLINE

(1) OVERVIEW

SCHOOL	MARITIME & INDUSTRY		
DEPARTMENT	INDUSTRIAL MANAGEMENT & TECHNOLOGY		
LEVEL OF STUDIES	UNDERGRADUATE		
COURSE CODE	TEEP01 / TEEP02	SEMESTER	7 / 8
COURSE TITLE	PROJECT I / PROJECT II		
DISCRETE TEACHING ACTIVITIES <i>In cases where ECTS credits are awarded to distinct components of the course (e.g., Lectures, Laboratory Exercises, etc.), please indicate them separately. If the credits are awarded as a whole for the entire course, please state the weekly teaching hours and the total number of credits</i>		WEEKLY TEACHING HOURS	ECTS
Project			5.5 + 5.5
<i>Please add additional rows if needed. A detailed description of the teaching organization and instructional methods is provided in Section (4).</i>			
COURSE TYPE <i>core (C), core elective (CE), elective (E) - background, specialization, skill development</i>	E - Specialization		
PREREQUISITE COURSES:	Up to 6–8 courses from previous semesters without a passing grade.		
REQUIREMENTS:	Students are required to enroll in and attend both courses, PROJECT I and PROJECTII, to successfully complete their undergraduate thesis.		
LANGUAGE OF TEACHING AND EXAMINATIONS:	Greek (English for ERASMUS students)		
THIS COURSE IS AVAILABLE TO ERASMUS STUDENTS	Yes		
COURSE WEBPAGE (URL)			

(2) LEARNING OUTCOMES

Learning Outcomes <i>The learning outcomes of the course are described, specifying the particular knowledge, skills, and competencies at the appropriate level that students will acquire upon successful completion of the course.</i> <i>Please refer to Appendix A</i> • Description of the Level of Learning Outcomes for each study cycle according to the Qualifications Framework of the European Higher Education Area. • Descriptive Indicators of Levels 6, 7 & 8 of the European Qualifications Framework for Lifelong Learning and Appendix B. • Concise Guide for Writing Learning Outcomes
The graduate thesis (GT) is grounded in the application of scientific methods, tools, and theories acquired during the undergraduate program. It is expected to meet high academic standards, while giving students the opportunity to take initiative and explore specific topics within the program's areas of study. Through the thesis process, students are expected to demonstrate that they have achieved the key learning outcomes of their degree. The GT involves two elective courses, "Project I" and "Project II," offered in the 7th and 8th semester, respectively. Students who wish to complete a thesis must enroll in and complete both courses. Final grades for these courses are submitted during the September resits of the corresponding academic year. At the start of each academic year, the Department's Secretariat announces the available thesis topics and their supervisors, both through written notices and on the Department's website. Students can express their interest in a thesis topic directly to the relevant supervisor during the elective course registration period of the 7th semester. Supervisors assign thesis topics based on the student's academic performance, interests, and skills, finalized after a short interview. Once confirmed, the assignment is submitted to the Department's Secretariat, which records the information and sends the final list to the Department's Assembly for the appointment of the three-member examination committees. Thesis completion involves the writing of the dissertation according to the official thesis template (https://www.tex.unipi.gr/kanonismoj/?lang=en) and its successful defense before the three-member Examination Committee. The process is carried out in accordance with the current Graduate Thesis Regulations (https://www.tex.unipi.gr/wp-content/uploads/2024/05/graduate-thesis-guide.pdf).

Upon successful completion of the thesis, students will have:

- Deepened their understanding of a specific topic within the scientific fields covered by the Department.
- Systematically applied the knowledge and skills acquired throughout their undergraduate studies.
- Developed synthetic and critical thinking in processing scientific material.
- Identified, evaluated, and utilized relevant scientific literature.
- Cultivated academic writing skills in accordance with scholarly standards.
- Organized and presented their research topic effectively in oral form.
- Gained practical experience in laboratory research, where applicable.
- Acquired experience in applying research methodology and using modern research tools and techniques.

General Competences

Taking into account the general competences that a graduate should have acquired (as listed in the Diploma Supplement and outlined below), which of these competences does the course aim to develop?

Searching, analyzing, and synthesizing data and information, using the necessary technologies

Adaptation to new situations

Decision making

Autonomous work

Teamwork

Working in an international environment

Working in an interdisciplinary environment

Generation of new research ideas

Project design and management

Respect for diversity and multiculturalism

Respect for the natural environment

Demonstration of social, professional, and ethical responsibility and sensitivity to gender issues

Exercising critical and self-critical thinking

Promotion of free, creative, and inductive thinking

...

Other competences: ...

- Searching, analyzing, and synthesizing data and information, using the necessary technologies
- Adaptation to new situations
- Decision making
- Autonomous work
- Working in an international environment
- Working in an interdisciplinary environment
- Generation of new research ideas
- Project design and management
- Demonstration of social, professional, and ethical responsibility and sensitivity to gender issues
- Exercising critical and self-critical thinking
- Promotion of free, creative, and inductive thinking

(3) COURSE CONTENT

The thesis is divided into four main stages, which include:

- Literature review and research planning
- Implementation of the research and/or laboratory work
- Writing of the thesis
- Thesis presentation

Students are expected to meet with their supervisor regularly to review progress and receive feedback on areas that may require revision or improvement.

(4) TEACHING and LEARNING METHODS - ASSESSMENT

TEACHING MODE <i>Face-to-face, in-class lecturing, distance teaching and distance learning etc.</i>	• Face-to-face meetings in the supervisor's office or in the Laboratory • Distance teaching & learning (if required)				
USE OF INFORMATION AND COMMUNICATION TECHNOLOGY <i>Use of ICT in Teaching, Laboratory Education, Communication with students</i>	Teaching: Supervision/guidance may take place in person, either in the supervisor's office or in the laboratory, or remotely via synchronous sessions using MS Teams Software: open-access and specialized software Laboratory: Appropriate laboratory equipment (if required) Communication with students: face-to-face during office hours, email, eClass platform, MS Teams tools				
Organization of Teaching	<table border="1"> <thead> <tr> <th data-bbox="695 2029 1026 2063">Activity</th> <th data-bbox="1034 2029 1358 2063">Semester Workload</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> </tr> </tbody> </table>	Activity	Semester Workload		
Activity	Semester Workload				

A detailed description of the teaching methods and approach is provided. Lectures, seminars, laboratory exercises, fieldwork, study and analysis of literature, tutorials, internships (placements), clinical practice, artistic workshops, interactive teaching, educational visits, project work, writing assignments, artistic creation, etc. The student's study hours for each learning activity, as well as the hours of independent study, are specified in accordance with the principles of ECTS	Individual supervision / guidance	13
	Literature search and review	45
	Conducting the research component	45
	Thesis writing	33.5
	Thesis presentation	1
	Course Total	137.5
STUDENT ASSESSMENT <i>Description of the assessment process</i> Language of assessment, assessment methods, formative or summative evaluation, multiple-choice tests, short-answer questions, essay questions, problem-solving, written assignments, reports, oral examinations, public presentations, laboratory work, clinical patient examination, artistic interpretation, other(s) Explicitly state assessment criteria and information on whether and where these criteria are accessible to students are included.		
Language of Assessment: Greek (English for ERASMUS students) Assessment Mode: Face-to-face and/or distance learning (if required) Assessment Methods: The examination consists of an oral presentation of the final thesis document before the Examination Committee. The grade awarded for both courses, "Project I" and "Project II", is a combined grade, which is determined and announced following the oral defense. When grading the thesis, the Examination Committee considers the following criteria: • Adequacy of the abstract formulation • Scope and thoroughness of the literature review • Clarity in the presentation and formulation of the thesis objectives • Validity of data analysis methods and correct application of scientific methodology in addressing the problem • Critical evaluation and discussion of results, including contribution to the advancement of the field • Drawing conclusions and identifying potential directions for future research • Quality of the thesis text (structure, accuracy, logic, etc.) and compliance with the prescribed formatting standards • Quality of the oral presentation, including adequacy of responses to questions For the completion of the thesis, the supervisor ensures plagiarism checking through the Turnitin system supported by the University of Piraeus Library. The plagiarism report is shared with the members of the Examination Committee. If the similarity index exceeds 25% after review with Turnitin, the thesis is considered unacceptable. Students with Learning Difficulties: Students with certified learning difficulties in reading and writing (as recognized by the competent authority) are assessed according to the procedures established by the Department. Disclosure of Assessment Criteria: The preparation of the undergraduate thesis is conducted in accordance with the current Graduate Thesis Regulations (https://www.tex.unipi.gr/wp-content/uploads/2024/05/graduate-thesis-guide.pdf). Students have the right to receive explanations regarding their grades. In cases of further requests, the procedures outlined in the current Study Regulations apply.		

(5) SUGGESTED BIBLIOGRAPHY

- Books: according to the thesis topic - Journals: according to the thesis topic - Other educational material: • Papavlassopoulos, S. (2015). Bibliometrics, Kallipos, open source, http://dx.doi.org/10.57713/kallipos-555 - in Greek

- Trianatfillou, I., Kokkinos, D., Drivas, I. (2024). Information Retrieval and Search Techniques, Kallipos, open source, <http://dx.doi.org/10.57713/kallipos-402> - in Greek
- Psiloutsikou, M. (2023). Research Methodology in Administrative Sciences, Kallipos, open source, <https://dx.doi.org/10.57713/kallipos-111> - in Greek
- Lagoumintzis, G., Vlachopoulos, G., & Koutsogiannis, K. (2015). Writing and Evaluating a Scientific Paper, Kallipos, open source, <https://hdl.handle.net/11419/5364>