

COURSE OUTLINE

(1) GENERAL

SCHOOL	Engineering		
ACADEMIC UNIT	Mechanical Engineering		
LEVEL OF STUDIES	Undergraduate		
COURSE CODE	3000	SEMESTER	6 th or greater
COURSE TITLE	Practical Training		
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
Practical Exercises		20	2
Add rows if necessary. The organisation of teaching and the teaching methods used are described in detail at (d).			
COURSE TYPE <i>general background, special background, specialized general knowledge, skills development</i>	Specialized knowledge, skills development.		
PREREQUISITE COURSES:	Successful completion of at least fifteen (15) courses of the undergraduate program of studies, not including the two Foreign Language courses.		
LANGUAGE OF INSTRUCTION and EXAMINATIONS:	Greek or English		
IS THE COURSE OFFERED TO ERASMUS STUDENTS	No		
COURSE WEBSITE (URL)	https://mie.uth.gr/?page_id=13178&lang=en		

(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

Practical Training is an important educational activity of the undergraduate curriculum of the Department of Mechanical Engineering of the University of Thessaly and is offered as a mandatory course to its students. It establishes a proper connection of theory with practice, aiming at the practical application and utilization of the theoretical scientific knowledge, the abilities and the skills acquired from the successful engagement with the undergraduate program of studies, as well as the smooth integration of students into the labor market.

The benefits students gain through their participation in the practical training program are:

- the development of professional experience,
- the familiarization with the needs of the market/production,
- the transfer of the overall educational and research experience acquired in the undergraduate studies and the adaptation of the knowledge provided by the Department,
- the facilitation of professional integration through the direct exposure to the work environment.

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	Project planning and management
Adapting to new situations	Respect for difference and multiculturalism
Decision-making	Respect for the natural environment
Working independently	Showing social, professional and ethical responsibility and sensitivity to gender issues
Team work	Criticism and self-criticism
Working in an international environment	Production of free, creative and inductive

thinking Working in an interdisciplinary environment Production of new research ideas Others...
<ul style="list-style-type: none"> • Retrieve, analyze and synthesize data and information, with the use of necessary technologies • Autonomous Work • Teamwork • Decision Making • Project planning and management • Exercise judgement and self-evaluation • Development of free, innovative and inductive thinking • Development of new research ideas • Adapting to new situations 	

(3) SYLLABUS

<p>The Practical Training of the Department of Mechanical Engineering has the following characteristics:</p> <ul style="list-style-type: none"> - it is mandatory for all students, - it lasts two (2) months (consecutively), - it usually takes place during the months of July-August, August-September, September-October, or in a flexible two-month period when carried out outside the NSRF, for students in their third year of studies or above, - it is usually carried out in private and, less commonly, in public institutions. <p>In order to be eligible for participation in the Practical Training Program, students must have successfully been examined in at least fifteen (15) courses of the undergraduate program of studies, excluding the two Foreign Language courses.</p> <p>The student applications are evaluated immediately after the end of the application submission period by the Internship Committee and are approved by decision of the Department's General Assembly, under the prerequisite that the above criteria are met. If the number of student applications for an internship position exceeds the available complement positions, then, in addition to the above basic requirements, a specific scoring algorithm is applied for ranking the applications, while in cases of ties, a specific list of sorted social criteria is also applied.</p> <p>The Internship is graded on a scale of "pass" or "fail." The credit units (ECTS) for participation in the Internship Program are two (2), are included in the total number of ECTS required for the award of the Degree/Diploma, and are included in the Student Diploma Grading Report, as well as in the Diploma Supplement.</p> <p>The student internships can be carried out in public entities, legal entities governed by public law, first and second degree local government organizations, private legal entities and companies, hereinafter referred to as "Host Organizations", under the guidance and supervision of the Internship Supervisor.</p>
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(4) 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>	Usage of ICT for education, for research activities (search and communication with students (e-mail).	
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,</i>	<i>Activity</i>	<i>Semester workload</i>
	Practical Training	160

<p><i>project, essay writing, artistic creativity, etc.</i></p> <p><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></p>	<p>Course Total</p>	<p>160</p>
<p>STUDENT PERFORMANCE EVALUATION</p> <p>Description of the evaluation procedure</p> <p><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></p> <p><i>Specifically-defined evaluation criteria are given, and if and where they are accessible to students.</i></p>	<ul style="list-style-type: none"> • Internship Assessment Report, which includes a brief description of the work carried out during the internship. • Student Internship Evaluation Questionnaire, which aims to record their impressions, the benefits they believe they have gained, and their level of satisfaction with the internship in terms of the subject context and work environment, the host organization, and the supervision provided by the Internship Supervisor. • Retrospective Completion Form. • Host Organization Evaluation Questionnaire. • Host Organization Certificate of Internship Completion. 	

(5) **ATTACHED BIBLIOGRAPHY**

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