

## COURSE OUTLINE

### (1) GENERAL

<b>SCHOOL</b>	ENGINEERING		
<b>ACADEMIC UNIT</b>	ELECTRICAL AND COMPUTER ENGINEERING DEPT.		
<b>LEVEL OF STUDIES</b>	Postgraduate		
<b>COURSE CODE</b>	<b>ENE_APP-301</b>	<b>SEMESTER</b>	<b>3</b>
<b>COURSE TITLE</b>	Master's Thesis		
<b>INDEPENDENT TEACHING ACTIVITIES</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>	<b>WEEKLY TEACHING HOURS</b>	<b>CREDITS</b>	
Lectures		30	
<i>Add rows if necessary. The organisation of teaching and the teaching methods used are described in detail at (4).</i>			
<b>COURSE TYPE</b> <i>general background, special background, specialised, general knowledge, skills development</i>	General Background		
<b>PREREQUISITE COURSES:</b>	-		
<b>LANGUAGE OF INSTRUCTION and EXAMINATIONS:</b>	Greek		
<b>IS THE COURSE OFFERED TO ERASMUS STUDENTS</b>	Yes		
<b>COURSE WEBSITE (URL)</b>	<Link to MSc Regulation>		

### (2) LEARNING OUTCOMES

<p><b>Learning outcomes</b></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><i>Consult Appendix A</i></p> <ul style="list-style-type: none"> <li>• <i>Description of the level of learning outcomes for each qualifications cycle, according to the Qualifications Framework of the European Higher Education Area</i></li> <li>• <i>Descriptors for Levels 6, 7 &amp; 8 of the European Qualifications Framework for Lifelong Learning and Appendix B</i></li> <li>• <i>Guidelines for writing Learning Outcomes</i></li> </ul>
<ol style="list-style-type: none"> <li>1) The student should be able to search, select, analyze and synthesize bibliographic data in a specific scientific field and topic</li> <li>2) The student should be able to organize the theoretical/bibliographic material and become familiar with a specific way of writing a scientific text</li> <li>3) The student can become familiar with the concept of plagiarism and its avoidance through the reproduction of bibliographic data</li> <li>4) The student should become familiar with the use and citation of bibliographic references</li> <li>5) The student should be able to organize and present his data to a wide audience</li> </ol>
<p><b>General Competences</b></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> <p><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>Respect for difference and multiculturalism</i></p>

<i>Adapting to new situations</i> <i>Decision-making</i> <i>Working independently</i> <i>Team work</i> <i>Working in an international environment</i> <i>Working in an interdisciplinary environment</i> <i>Production of new research ideas</i>	<i>Respect for the natural environment</i> <i>Showing social, professional and ethical responsibility and sensitivity to gender issues</i> <i>Criticism and self-criticism</i> <i>Production of free, creative and inductive thinking</i> ..... <i>Others...</i> .....
<ul style="list-style-type: none"> <li>• Search, analysis and synthesis of data and information, using the necessary technologies</li> <li>• Autonomous work</li> <li>• Promotion of free, creative and inductive thinking</li> </ul>	

### (3) SYLLABUS

The Master's Thesis aims to introduce the student to scientific research and/or scientific literature, with the communication of their results, both written and oral, in accordance with the rules applicable to the international scientific community. It has as its object the review of the scientific literature and the presentation of its results in a scientific subject.

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

<b>DELIVERY</b> <i>Face-to-face, Distance learning, etc.</i>	Face to face and remote consultation with a supervising professor to resolve issues										
<b>USE OF INFORMATION AND COMMUNICATIONS TECHNOLOGY</b> <i>Use of ICT in teaching, laboratory education, communication with students</i>	<ul style="list-style-type: none"> <li>• Special Scientific Bibliography</li> <li>• Use of ICT in Communication with students</li> <li>• The teacher communicates with students via email and social networks</li> <li>• The evaluation of the course is done electronically through MO.DI.P.</li> <li>• Other tools depending on the type of the thesis</li> </ul>										
<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>	<table border="1" style="width: 100%; text-align: center;"> <thead> <tr> <th style="text-align: left;"><i>Activity</i></th> <th style="text-align: left;"><i>Semester workload</i></th> </tr> </thead> <tbody> <tr> <td>Literature Study</td> <td>200</td> </tr> <tr> <td>Development</td> <td>400</td> </tr> <tr> <td>Writing of the thesis</td> <td>150</td> </tr> <tr> <td><b>Course Total</b></td> <td><b>750 hours (30 ECTS)</b></td> </tr> </tbody> </table>	<i>Activity</i>	<i>Semester workload</i>	Literature Study	200	Development	400	Writing of the thesis	150	<b>Course Total</b>	<b>750 hours (30 ECTS)</b>
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Literature Study	200										
Development	400										
Writing of the thesis	150										
<b>Course Total</b>	<b>750 hours (30 ECTS)</b>										
<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,</i>	<ul style="list-style-type: none"> <li>• Conclusive</li> <li>• Public Presentation</li> </ul>										

*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.*

**(5) ATTACHED BIBLIOGRAPHY**

*Depending on the thesis' subject*