

## COURSE OUTLINE

### (1) GENERAL

<b>SCHOOL</b>	Engineering		
<b>DEPARTMENT</b>	Electrical and Computer Engineering		
<b>LEVEL OF STUDY</b>	Undergraduate		
<b>COURSE UNIT CODE</b>	5.006	<b>SEMESTER OF STUDY</b>	5 <sup>th</sup>
<b>COURSE TITLE</b>	Terminology and Technical Writing		
<b>COURSEWORK BREAKDOWN</b>		<b>TEACHING WEEKLY HOURS</b>	<b>ECTS Credits</b>
Theory (Lectures)		2	2
<b>TOTAL</b>		<b>2</b>	<b>2</b>
<b>COURSE UNIT TYPE</b>	General Infrastructure		
<b>PREREQUISITES</b>	None		
<b>LANGUAGE OF INSTRUCTION/EXAMS</b>	Greek		
<b>COURSE DELIVERED TO ERASMUS STUDENTS</b>	No		
<b>WEB PAGE (URL)</b>	<a href="https://eclass.hmu.gr/courses/ECE139">https://eclass.hmu.gr/courses/ECE139</a>		

### (2) LEARNING OUTCOMES

<b>Learning Outcomes</b>
<p>Upon successful completion of the course students will be able to study and evaluate existing scientific texts as well as write their own. In particular, students will be able to:</p> <ul style="list-style-type: none"> <li>• Search for, identify, understand and analyze scientific texts (articles, papers, proposals, etc.)</li> <li>• evaluate the quality of scientific texts (measurement indicators, impact factor)</li> <li>• write scientific texts using basic writing principles (structure, content, strategies, avoiding plagiarism)</li> </ul>
<b>General Skills</b>
<p>The graduates of this course will have the following general skills:</p> <ul style="list-style-type: none"> <li>• Search, analysis and synthesis of data and information</li> <li>• Work in an interdisciplinary environment</li> <li>• Decision making</li> <li>• Autonomous work</li> </ul>

### (3) COURSE CONTENT

- Purpose and types of scientific text
- Scientific text structure - The IMRaD method
- Search engines for scientific articles
- Bibliographic review (basic principles, methodology)
- Critical reading and subjective evaluation of a scientific text
- Basic writing principles (Structure, content, strategies)
- Submission and Review of Scientific Papers
- Plagiarism (Types, detection, effects, avoidance)
- Evaluation of scientific quality (Measurement indicators, impact factor)
- Practical instructions and examples

### (4) TEACHING METHODS - ASSESSMENT

<b>MODE OF DELIVERY</b>	In-Class Face-to-Face	
<b>USE OF INFORMATION AND COMMUNICATION TECHNOLOGY</b>	<ul style="list-style-type: none"><li>• Use of ICTs in lecturing</li><li>• Use of ICTs in laboratory-based training</li><li>• Use of ICTs for the communication with students via the e-class platform</li><li>• Support of the educational process via the e-class platform</li></ul>	
<b>TEACHING ORGANISATION</b>	<b>Method description / Activity</b>	<b>Semester Workload</b>
	Lectures	26
	Non-guided personal study	34
	<b>Total Contact Hours</b>	<b>60</b>
<b>ASSESSMENT METHODS</b>	<ul style="list-style-type: none"><li>• Exercises / Project 60%</li><li>• Written Final Exam 40%</li></ul> Assessment Language: Greek	

### (5) RECOMMENDED BIBLIOGRAPHY

- *Class Notes*
- Λιαργκόβας, Δερμάτης, Κομνηνός: *Μεθοδολογία της Έρευνας και Συγγραφή Επιστημονικών Εργασιών* Εκδόσεις ΤΖΙΟΛΑ 2019
- Ευδωρίδου Καρακασίδης: *Ακαδημαϊκή Γραφή* Εκδόσεις ΤΖΙΟΛΑ 2017
- Γαρεφαλάκης, Κουτούπης, Πασσάς: *Μεθοδολογία έρευνας για τη συγγραφή εργασιών και επιστημονικών μελετών*, Εκδοσεις ΑΛΕΞΑΝΔΡΟΣ Σ. Ι.Κ.Ε. 2020
- Girden, Ellen R. *Evaluating Research Articles From Start to Finish*. 2nd ed. Thousand Oaks, Calif.: Sage Publications, 2001.
- M. Cargill and P. O'Connor: *Writing scientific research articles: strategy and steps (2nd edition)* Wiley-Blackwell, Oxford, 2013