

Course unit title:	Writing for Computer Science and Engineering
Course unit code:	CSC135
Type of course unit: (Compulsory/optional)	Compulsory
Level of course unit: (First, second or third cycle)	Bachelor (1st cycle)
Year of study:	2
Semester when the unit is delivered:	3
Number of ECTS credits allocated:	4
Name of lecturer(s):	TBA
Learning outcomes of the course unit:	
<p>Upon successful completion of this course students should be able to:</p> <ul style="list-style-type: none"> • Discuss ethics in writing • Create design and specification documents for software and hardware • Create correct and elegant code commenting • Generate elementary academic discourse papers. • Create technical documentation such as user manuals. 	
Mode of delivery:	Face- to- face
Prerequisites and co-requisites:	ENG103
Recommended optional program components:	None
Course Contents:	
<p>Objective:</p> <p>This course emphasizes technical documentation directed to engineer and computer scientists. Its goal is to train students to create documentation and communication material that spans the cycle of technology product development. Attention is paid primarily to writing design and functional specifications, argumentative prose for technical explanations, algorithm descriptions and program documentation, proposal writing, progress reports, formal technical reports, and creating oral presentation aimed at audiences that work in the high-tech industries.</p>	

Description:

Writing for Computer science and Engineering

Definition of the writing style for computer science and engineering, examples of documents used by academics and practitioners in the fields of computer science and engineering, first look at specific writing styles for specific needs inside the computer science and engineering professions, establishing the audience.

Ethical writing

Definitions of plagiarism, cheating, and fabrication. ethics and technical report writing, IEEE Ethics, ACM Ethics.

Requirements Specification:

Tabulating the client's needs, performing the requirements specification interview, writing the software requirements document, writing the formal specification document.

Documentation:

Dissecting algorithms and providing effective documentation, code commenting guidelines, user manual writing.

Proposal writing:

Writing proposals for receiving grants both in practice and academia. Writing the executive summary, effectively communicating the innovations and main ideas, tabulation and communication of project management, argumentative prose.

Report writing:

Progress report writing, establishing credibility in describing work performed, describing milestones and achievements, convincing the audience that progress is made, explaining problems and requesting assistance or guidance.

Academic writing:

Literature review, citations, and reference styles, paper structure, writing about methodology, writing about experiments, writing conclusions and discussion, describing future work.

Recent developments and contemporary issues pertaining to the subject-matter of the course.

Recommended or required reading:

Silyn-Roberts, H., WRITING FOR SCIENCE AND ENGINEERING: PAPERS, PRESENTATIONS AND REPORTS, Butterworth-Heinemann 2002

Strunk and White, THE ELEMENTS OF STYLE, Longman 1999

Zobel, J., WRITING FOR COMPUTER SCIENCE, Springer 2004

	Huckin, T. N. & Olsen, L. A, TECHNICAL WRITING AND PROFESSIONAL COMMUNICATION FOR NONNATIVE SPEAKERS OF ENGLISH, McGraw-Hill 1991						
Planned learning activities and teaching methods:	<table border="1"> <tr> <td>Class Instruction</td> <td>42 Hours</td> </tr> <tr> <td>Consultation /Computer Lab</td> <td>20 Hours</td> </tr> </table>	Class Instruction	42 Hours	Consultation /Computer Lab	20 Hours		
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Assessment methods and criteria:	<table border="1"> <tr> <td>Final Paper</td> <td>60%</td> </tr> <tr> <td>Assignments/Quizzes</td> <td>40%</td> </tr> <tr> <td></td> <td>100%</td> </tr> </table>	Final Paper	60%	Assignments/Quizzes	40%		100%
Final Paper	60%						
Assignments/Quizzes	40%						
	100%						
Language of instruction:	English						
Work placement(s):	No						
Place of Teaching:	Regular Classroom European University Cyprus, Nicosia						