

Course Title	Writing for Computer Science and Engineering				
Course Code	CSE215				
Course Type	Compulsory				
Level	Bachelor (1 <sup>st</sup> Cycle)				
Year / Semester	2 <sup>nd</sup> year / 3 <sup>rd</sup> semester				
Teacher's Name	Dr. Andreas Grondoudis				
ECTS	6	Lectures / week	3 hours/ 14 weeks	Laboratories / week	None
Course Purpose and Objectives	<p>The purpose of this course is to train students to create documentation and communication material and effectively deliver it to technical (as well as non-technical) audiences.</p> <p>The objectives of the course include guiding students through: creating technical documents, presenting and describing algorithms, preparing user guides, writing progress reports, completing formal reports as well their bachelor thesis. Additionally, the course aims to explain ethical issues regarding attributing previous knowledge, work and publication authorship, forms of plagiarism and formats of referencing. One more object is to discuss human communication and emphasize on Public Speaking as a means to effectively deliver material.</p>				
Learning Outcomes	<p>Upon succesful completion of this course students should be able to:</p> <ul style="list-style-type: none"> <li>• Use LaTeX as an editor for preparing documents</li> <li>• Explain academic honesty and practice correct ethics</li> <li>• Generate elementary academic discourse papers</li> <li>• Design and write technical documentation like user manuals</li> <li>• Perform elementary fact-finding as well as knowledge discovery research.</li> <li>• Create citations and generate standard formatted references/bibliography</li> <li>• Explain the models of human communication</li> <li>• Create and orally present short (informative or persuasive) speeches</li> </ul>				
Prerequisites	ENL103	Co-requisites	None		
Course Content	<p>Technical writing  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.</p> <p>Ethical writing</p>				

	<p>Definitions of plagiarism, mis-representation, cheating, and fabrication. ethics and technical report writing, IEEE Ethics, ACM Ethics.</p> <p>Requirements Specification: Tabulating the client's needs, performing the requirements specification interview, writing the software requirements document, writing the formal specification document.</p> <p>Documentation: Dissecting algorithms and providing effective documentation, code commenting guidelines, user manual writing.</p> <p>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.</p> <p>Academic writing: Literature review, citations, and reference styles, paper structure, writing about methodology, writing about experiments, writing conclusions and discussion, describing future work.</p> <p>Human communication Theory, models of communication, the communication process, competence in communication. Verbal and non-verbal communication, perception of communication</p> <p>Public Speaking Steps of speech development, organizing a speech, knowing your audience, researching material. Types of speeches (informative vs persuasive). Key point on delivering a short speech</p>
Teaching Methodology	Face-to-Face
Bibliography	<p>Zobel J., Writing for computer science Springer Latest edition</p> <p>Silyn-Roberts H., Writing for science and engineering, papers, presentations and reports Elsevier, Science Direct Latest edition</p> <p>Markel M., Technical communication Bedford, Latest edition</p> <p>Finkestein L., Pocket book of technical writing for engineers &amp; scientists McGraw-Hill Latest edition</p>

	Adler R.B., Rodman G., Understanding Human Communication Oxford University Press Latest edition  Pearson J., Nelson P., Titsworth S., Hosek A., Human Communication McGraw-Hill Education Latest edition						
Assessment	Class Participation and attendace Coursework Oral presentations Examination(s)	<table border="1"> <tr><td>10%</td></tr> <tr><td>35%</td></tr> <tr><td>20%</td></tr> <tr><td>35%</td></tr> <tr><td>100%</td></tr> </table>	10%	35%	20%	35%	100%
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Language	English						