

<b>Course Title</b>	<b>Introduction to Computer Science</b>				
<b>Course Code</b>	<b>CSC101</b>				
<b>Course Type</b>	<b>Compulsory</b>				
<b>Level</b>	BSc/1st Cycle				
<b>Year / Semester</b>	1 <sup>st</sup> /1 <sup>st</sup>				
<b>Teacher's Name</b>	Pavlos Evangelides				
<b>ECTS</b>	7.5	<b>Lectures / week</b>	3 hours	<b>Laboratories / week</b>	2 hours
<b>Course Purpose and Objectives</b>	The purpose of the course is to provide introductory and fundamental knowledge of computer science so that the student is properly prepared to attend the majority of the courses included in the department's curriculum.				
<b>Learning Outcomes</b>	<p>Upon successful completion of this course students should be able to:</p> <ul style="list-style-type: none"> <li>• Implement Computer Science in various fields</li> <li>• State the importance of the Computer Science discipline.</li> <li>• Describe and be familiar with the basic computer modules</li> <li>• Understand basic programming principles</li> <li>• Describe the interconnection and communication of computers through local, regional and global computer networks</li> <li>• Know the internet services and take advantage of the opportunities offered by the World Wide Web</li> <li>• Know basic concepts of the Unix operating system at the user's level</li> </ul>				
<b>Prerequisites</b>	-	<b>Required</b>	-		
<b>Course Content</b>	<p><b>Computer Science in modern society</b> Recording the impact and applications of Computer Science in various fields, such as industry, education and entertainment.</p> <p><b>Structure of computers</b> Hardware and units that the computer is made of.</p> <p><b>Software</b> Categories of software</p> <p><b>Programming</b> Basic programming principles and study of problem-solving methods by creating algorithms.</p> <p><b>Computer communications, Networks</b></p>				

	<p>Introduction to basic principles of Computer Networks and Data Transfer.</p> <p><b>Internet and search engines</b></p> <p>Introduction to the Internet and Search Engine technologies.</p>
<b>Teaching Methodology</b>	<p>Lectures 42 hours</p> <p>Labs 30 hours</p>
<b>Bibliography</b>	<p>Brookshear, J.G., COMPUTER SCIENCE: AN OVERVIEW, Pearson, 12th Edition, 2014</p> <p>Dale, N, Lewis, J., COMPUTER SCIENCE ILLUMINATED Jones &amp; Bartlett Publishers, 6th edition, 2015</p>
<b>Assessment</b>	<p>Final Exam 60%</p> <p>Mid-Term/Lab Exam 20%</p> <p>Assignment 20%</p>
<b>Language</b>	English