

10.

<b>Course title</b>	<b>Introduction to Information Systems</b>			
<b>Course code</b>	<b>COMP112</b>			
<b>Course type</b>	<b>Theoretical, Compulsory Course</b>			
<b>Level</b>	Undergraduate			
<b>Year / Semester</b>	Year 1 Semester 2			
<b>Teacher's name</b>	Poleou Lazou Artemis			
<b>ECTS</b>	4	<b>Lectures / week</b>	2	<b>Laboratories / week</b>
<b>Course purpose and objectives</b>	This course provides a broad introductory understanding of information systems, seen within organisational and societal contexts. It is also, aims of providing, an appropriate balance of technical and organisational perspectives.			
<b>Learning outcomes</b>	<p>After the completion of the course students are expected to:</p> <ul style="list-style-type: none"> <li>• Explain fundamental assumptions of information and communications technologies in organizations as socio-technical systems in contrast to purely technical or managerial views.</li> <li>• Debate the relevance of the sociotechnical approach</li> <li>• Express a logical understanding of how the technical parts of computer-based information system work, their principal structures and components</li> <li>• Explain the various functions of systems and network software and various classes of business oriented application packages</li> <li>• Describe fundamental principles that can be applied to ensure that security and personal privacy is respected in information systems</li> <li>• Be able to describe and justify a range of professional roles in information systems development activity, and their changing nature reflecting in part changes in technology use in and between organization</li> </ul>			
<b>Prerequisites</b>	None	<b>Required</b>	None	
<b>Course content</b>	<ul style="list-style-type: none"> <li>• <b>Information systems concepts:</b> Information and data. Capture of data, storage, processing and display. Information systems in organisations, the digital economy, Introduction to systems ideas and their application to information handling activities, The sociotechnical character of information systems.</li> <li>• <b>Information systems within organisations:</b> The roles and functions of information systems within organisations including providing management information, supporting e-commerce, supporting knowledge work and undertaking transaction processing, Use of information by various types of people and as applied to various types of task, New models of organising, Information systems management roles and structures.</li> </ul>			

	<ul style="list-style-type: none"> <li>• <b>Information and communications technologies:</b> Introduction to computer hardware and software, Communications technologies and networks, the internet, Data storage systems, files and databases, Cloud computing, Operating software, applications packages and user written programs. Open source software. Social networking.</li> </ul>
<b>Teaching methodology</b>	<p>The course content will be taught using:</p> <ul style="list-style-type: none"> <li>• Power Point presentations</li> <li>• Guided discussions with the active participation of students</li> <li>• Examples and case studies that relate to the content of the course</li> <li>• Question and answer section</li> <li>• Use of internet and related IT infrastructure</li> </ul>
<b>Bibliography</b>	<p><b>Greek Bibliography</b></p> <ul style="list-style-type: none"> <li>• Δρόσος, Δ., Βουγιούκας, Δ., Καλλίγερος, Ε., Κοκολάκης, Σ., Σκιάνης, Χ., (2015). Εισαγωγή στην επιστήμη των υπολογιστών &amp; επικοινωνιών. [ηλεκτρ. βιβλ.] Αθήνα: Σύνδεσμος Ελληνικών Ακαδημαϊκών Βιβλιοθηκών. ISBN: 9789606033643. <b>Διαθέσιμο στο:</b> <a href="http://hdl.handle.net/11419/4582">http://hdl.handle.net/11419/4582</a></li> <li>• Φιτσιλής, Π., (2015). Σύγχρονα πληροφοριακά συστήματα επιχειρήσεων. [ηλεκτρ. βιβλ.] Αθήνα: Σύνδεσμος Ελληνικών Ακαδημαϊκών Βιβλιοθηκών. ISBN: 9789606031113 <b>Διαθέσιμο στο:</b> <a href="http://hdl.handle.net/11419/2256">http://hdl.handle.net/11419/2256</a></li> <li>• Μαυρίδης, Ι., (2015). Ασφάλεια πληροφοριών στο διαδίκτυο. [ηλεκτρ. βιβλ.] Αθήνα: Σύνδεσμος Ελληνικών Ακαδημαϊκών Βιβλιοθηκών. ISBN 9789606031939. <b>Διαθέσιμο στο:</b> <a href="http://hdl.handle.net/11419/1024">http://hdl.handle.net/11419/1024</a></li> </ul> <p><b>English Bibliography</b></p> <ul style="list-style-type: none"> <li>• Okwaro, Isaack Onyango(2019), Information Systems for Business. Ashland: Society Publishing, ISBN 9781774075623.<b>EBSCOhost</b></li> <li>• Laudon, K., Laudon, J.(2007),Essentials of business information systems. Pearson education,ISBN: 0-13-227781-6</li> <li>• Bocij, P., Greasley, A. (2018),Business information systems :Technology, Development and Management for the Modern Business,6th, Pearson, ISBN: 978-1292220970.</li> </ul>
<b>Assessment</b>	<ul style="list-style-type: none"> <li>• Attendance and Class Participation: 10%</li> <li>• Assignment: 20%</li> <li>• Intermediate Written Examination: 30%</li> <li>• Final Written Examination: 40%</li> </ul>
<b>Language</b>	English or Greek