

Course Title	Fundamentals of Information Systems				
Course Code	CIS100				
Course Type	Compulsory				
Level	Bachelor (1 <sup>st</sup> cycle)				
Year / Semester	1 <sup>st</sup> year / 1 <sup>st</sup> semester				
Teacher's Name	TBA				
ECTS	6	Lectures / week	3 hours / 14 weeks	Laboratories / week	N/A
Course Purpose and Objectives	To provide a comprehensive understanding of current Information Systems, their uses and tools that will assist in the decision making process; to know the relationship of information systems and organizational level and understand their role in management and decision making; to understand the goals and applications of personal, workgroup and enterprise information systems, their components and the proper role for business professionals in their development.				
Learning Outcomes	<p>Upon successful completion of this course students should be able to:</p> <ul style="list-style-type: none"> <li>• Recognize the roles of information systems in supporting the structures and processes; the management; and the strategic success of organizations</li> <li>• Explain the major components of the information technology infrastructure of an organization: hardware and software; data resources; telecommunications and networks; and the Internet</li> <li>• Solve managerial problems with the use of IT tools</li> <li>• Differentiate knowledge management and describe how knowledge management supports organizational decision-making and affects strategic success</li> <li>• Evaluate key issues of Information Systems, including security and control and global systems issues</li> </ul>				
Prerequisites	None	Co-requisites	None		
Course Content	<p>Part I: INFORMATION SYSTEMS IN PERSPECTIVE. An Introduction to Information Systems in Organizations.</p> <p>Part II: TECHNOLOGY. Hardware and Software. Database Systems and Business Intelligence. Telecommunications, the Internet, Intranets, and Extranets.</p> <p>Part III: BUSINESS INFORMATION SYSTEMS. Electronic and Mobile Commerce and Enterprise Systems. Information and Decision Support Systems. Knowledge Management and Specialized Information Systems.</p>				

	<p>Part IV: SYSTEMS DEVELOPMENT AND SOCIAL ISSUES. Systems Development.</p> <p>Part V: INFORMATION SYSTEMS IN BUSINESS AND SOCIETY. The Personal and Social Impact of Computers.</p>							
Teaching Methodology	Face-to-face							
Bibliography	<p>Stair, R. M. and Reynolds, G. (2016) Fundamentals of Information Systems, Cengage.</p> <p>Valacich, J. and Schneider, C. (2018) Information systems today: managing the digital world, global edition, Pearson.</p> <p>Laudon, J. P. and Laudon, K.C. (2018) Management information systems: managing the digital firm, Pearson.</p> <p>Rainer, R. K. and Prince, B. (2017) Introduction to Information Systems, Wiley.</p>							
Assessment	<table border="1"> <tr> <td>Examinations</td> <td>75%</td> </tr> <tr> <td>Assignments</td> <td>15%</td> </tr> <tr> <td>Class Participation and attendance</td> <td>10%</td> </tr> </table>		Examinations	75%	Assignments	15%	Class Participation and attendance	10%
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Language	English							