

## Management Information Systems

<b>Course Title</b>	Management Information Systems					
<b>Course Code</b>	TCOM-230					
<b>Course Type</b>	This course serves as both Elective and Requirement, according to the program. <table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td>All Programs</td> <td>General Elective</td> </tr> </table>				All Programs	General Elective
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<b>Level</b>	Bachelor (1 <sup>st</sup> Cycle)					
<b>Year / Semester</b>	Year 2, A' Semester					
<b>Teacher's Name</b>	Dr. Adamantini Peratikou					
<b>ECTS</b>	6	<b>Lectures / week</b>	3	<b>Laboratories / week</b>		
<b>Course Purpose and Objectives</b>	This course will help students to get an understanding of how information systems are used in business setting. The topics covered will include the fundamental of information systems, strategic use of information systems, decision support and expert systems. This course will also describe information systems planning, design and implementation.					
<b>Learning Outcomes</b>	<p>Upon completion of this course students will be able to:</p> <ol style="list-style-type: none"> <li>1. Explain the role of information systems in business environments.</li> <li>2. Identify the challenges of information systems.</li> <li>3. Understand the term management information systems</li> <li>4. Compare and contrast Management Information system (MIS) with Business Information Systems (BIS).</li> <li>5. Distinguish the different decision making techniques and identify the organizational models.</li> <li>6. Examine computer systems and information processing methods.</li> <li>7. Discuss system software and application software and the selection of appropriate software based on the business needs/</li> </ol>					
<b>Prerequisites</b>	TCOM – 100 Computer Applications		<b>Required</b>			

<b>Course Content</b>	<ol style="list-style-type: none"> <li>1. The challenge of information system: Key information systems. Contemporary approaches to information systems. Key system applications in the organization. The changing management process.</li> <li>2. The strategic role of information systems: Information as a strategic resource. How information system can be used for competitive advantage. Implication for managers and organizations.</li> <li>3. Information systems and organizations: The relationship between organizations and information systems. Salient features of organization system affect organizations.</li> <li>4. Information, management and decision making: What managers do? Introduction to decision making. Individual models of decision-making. Organizational models of decision-making.</li> <li>5. Computers and information processing: What is a computer system? The CPU and primary storage. The evolution of computer hardware. Mainframes, minicomputers, microcomputers. Secondary storage. Input / Output devices. Information technology trends.</li> <li>6. Information systems software: What is software? Systems software. Application software. New software tools and approaches. How to choose software and programming languages</li> </ol>
<b>Teaching Methodology</b>	The course is delivered through lectures, demonstrations and practical sessions.
<b>Mode of delivery</b>	Face to face.
<b>Bibliography</b>	<b>Required</b>
	<ol style="list-style-type: none"> <li>1. Efrain Turban/Linda Volonino / Ephraim R. Mclean/James C. Wetherbe, <i>Information Technology for Management: Transforming Organizations in the digital Economy</i>, 7<sup>th</sup> ed., John Wiley and Sons Ltd.</li> </ol>
	<b>Recommended</b>
<ol style="list-style-type: none"> <li>1. Kenneth C. Laudon, Jane P. Laudon, <i>Management Information Systems</i>, Prentice Hall, 10<sup>th</sup> ed., 2006.</li> <li>2. Kenneth Laudon, Jane Laudon, <i>Essentials of MIS: Global Edition</i>, Pearson Higher Education, 9<sup>th</sup> ed., 2011.</li> <li>3. David Kroenke, <i>Using MIS: International Version</i>, Pearson Higher Education, 3<sup>rd</sup> ed., 2011.</li> <li>4. David M.Kroenke, <i>MIS Essentials: International Version</i>, Pearson Higher Education, 2010.</li> </ol>	

<b>Assessment</b>	The following assessment methods are employed to assess this course: <table border="1" data-bbox="517 304 1369 562"><tr><td data-bbox="517 304 943 376">30 – 50 %</td><td data-bbox="943 304 1369 376">Final Exam</td></tr><tr><td data-bbox="517 376 943 445">20 – 40 %</td><td data-bbox="943 376 1369 445">Mid –Term / Tests / Quizzes</td></tr><tr><td data-bbox="517 445 943 515">10 – 30 %</td><td data-bbox="943 445 1369 515">Assignments / Projects</td></tr><tr><td data-bbox="517 515 943 562">0 – 10 %</td><td data-bbox="943 515 1369 562">Class Attendance &amp; Participation</td></tr></table>	30 – 50 %	Final Exam	20 – 40 %	Mid –Term / Tests / Quizzes	10 – 30 %	Assignments / Projects	0 – 10 %	Class Attendance & Participation
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<b>Language</b>	English								