

# COURSE SYLLABUS

<b>Course Title:</b>	Intro to Management Information Systems		<b>Date submitted:</b>	Spring 2014 (AAC; 14-27)	
<b>Department:</b>	Business and Technology				
<b>Curriculum:</b>	Computer Information Systems				
<b>Course Descriptors:</b> Make certain that the course descriptors are consistent with college and Board of Trustees policies, and the current course numbering system.	<b>Course Code:</b> (eg. ACC 101)	CST*201	<b>Prerequisites:</b>		
	<b>Course Type:</b>	X	C- or better in Integrated Reading and Writing II (ENG*075) OR Introduction to College Reading & Writing (ENG*093) OR Introduction to College English (ENG*096) OR Reading & Writing VI (ESL*162), or placement into Composition (ENG*101) [including embedded ENG*101]		
	A: Clinical B: Lab D: Distance Learning I: Individual/Independent L: Lecture N: Internship M: Seminar P: Practicum U: Studio X: Combined Lecture/Lab Y: Combined Lecture/ Clinical/Lab Z: Combined Lecture/Studio	<b>Elective Type:</b>	G		
	AH: Art History E: English FA: Fine Arts FL: Foreign Language G: General HI: History HU: Humanities LAS: Liberal Arts & Sciences M: Math S: Science SS: Social Science	<b>Credit Hours:</b>	3	<b>Corequisites:</b>	
	<b>Developmental:</b> (yes/no)	No	None.		
	Lecture:	1.5			
	Clinical:	0			
	Lab:	1.5			
	Studio:	0			
	Other:	0			
<b>Contact Hours:</b>	TOTAL:	3	<b>Other Requirements:</b>		
<b>Class Maximum:</b>	24	None			
<b>Semesters Offered:</b>	Fa/Sp				
<b>Catalog Course Description:</b>	Provides the background necessary for understanding the role of information systems in organizations and for using computer tools and technology in solving business problems. Topics include organizational and technical foundations of information systems, theory of information systems design, fundamental database principles, network systems, e-commerce and supply chain systems, information network security management, and meeting global challenges. Microsoft Excel, Access, PowerPoint and Project are used to demonstrate selected topical concepts.				
<b>Topical Outline:</b> List course content in outline format.	1. Purpose of Information Systems <ol style="list-style-type: none"> <li>Data vs. Information vs. Knowledge</li> <li>The Components of Information Systems</li> <li>Using Information Technology to gain a Strategic Advantage in the Marketplace</li> </ol> 2. Information Technologies <ol style="list-style-type: none"> <li>Hardware</li> <li>End User and Enterprise Computing</li> </ol>				

- c. Software
      - i. Application Software: End User Applications
      - ii. System Software: Computer System Management
- 3. Data Resource Management
  - a. Technical Foundations of Database Management
  - b. Components of a Database Application System
  - c. Managing Data Resources and Warehouses
  - d. Database Security
- 4. Data Communication and Internet Technology
  - a. The Wired and Wireless Networked Enterprise
  - b. Telecommunications Network Alternatives
  - c. Security Issues
  - d. Ethical Concerns
- 5. Planning Information Systems
  - a. Systems Development Life Cycle
  - b. Rapid Application Development
  - c. Object Oriented Systems Development
  - d. Security and Systems Development
- 6. Building Information Systems
  - a. Value of systems and managing change
  - b. Modeling and Designing Systems
  - c. Structured and object-oriented methodologies
- 7. Information Systems within Organizations
  - a. Categories of Information Systems
  - b. Survey of Functional Systems
  - c. Competitive Strategy and Value Chains
  - d. Business Process Design
- 8. E-Commerce and Supply Chain Systems
  - a. Doing Business on the WWW
  - b. Web Technologies
  - c. Supply Chain Management
  - d. Inter-Organizational Information Systems
  - e. Ethics of Supply Chain Information Sharing
- 9. Business Intelligence and Knowledge Management
  - a. Developing Business/IT Solutions
  - b. Data Warehouses and Data Marts
  - c. Data Mining
  - d. Knowledge Management
- 10. Information Systems Management
  - a. Planning the Use of IT
  - b. Managing the Computing Infrastructure
  - c. Enterprise Applications
  - d. Outsourcing
  - e. User Rights and Responsibilities
- 11. Information Security
  - a. Security Threats
  - b. The Security Program
    - i. Senior Managements Role
    - ii. Risk Management
  - c. Data Safeguards
  - d. Human Safeguards
  - e. Disaster Preparedness
- 12. Managing Global Information Technology

**Outcomes:**

Describe measurable skills or knowledge that students should be able to demonstrate as evidence

Upon successful completion of this course, the student will be able to do the following:

**COURSE:**

1. describe the principles of a management information system
2. explain how computers process data into useful information and knowledge

<p>that they have mastered the course content.</p>	<ol style="list-style-type: none"> <li>3. identify and describe the major types of computer hardware, software, data storage, and input/output technology used in business today</li> <li>4. demonstrate the use of common application software including Word, PowerPoint, Access, Excel, and Project to support business processes</li> <li>5. identify and describe the principles of a relational database management system</li> <li>6. identify and describe the principal technologies and standards for networking communication and Internet access and how they support communication and e-business</li> <li>7. demonstrate an understanding of the foundations of e-commerce and supply chain systems</li> <li>8. evaluate the role of information systems in helping people working individually and in groups make decisions more effectively</li> <li>9. demonstrate an understanding of current global information system issues</li> <li>10. analyze the relationship among ethical, social, and political issues that are raised by information systems and how they affect everyday life</li> <li>11. evaluate the tools and technologies for safeguarding information resource</li> </ol> <p><b>PROGRAM:</b> None</p> <p><b>GENERAL EDUCATION:</b> <i>(Numbering reflects General Education Outcomes as they appear in the college catalog)</i></p> <p>5. <b>Information Literacy/Continuing Learning</b> - Students will be able to use traditional and digital technology to access, evaluate, and apply information to the needs or questions confronting them throughout their academic, professional, and personal lives.</p> <p style="padding-left: 40px;"><b>Demonstrates:</b> Collects and synthesizes relevant and authoritative information resources appropriate to need and audience and utilizes current technologies to solve problems, complete projects, and make informed decisions.</p> <p style="padding-left: 40px;"><b>Does Not Demonstrate:</b> Does not collect and synthesize relevant and authoritative information resources appropriate to need and audience nor satisfactorily utilize current technologies to solve problems, complete projects, and make informed decisions.</p>
<p><b>Evaluation:</b> List how the above outcomes will be assessed.</p>	<p><b>Assessment will be based on the following criteria:</b></p> <ol style="list-style-type: none"> <li>1. quizzes</li> <li>2. exams</li> <li>3. hands-on activities, assignments, and projects</li> </ol>
<p><b>Instructional Resources:</b>  List library (e.g. books, journals, on-line resources), technological (e.g. Smartboard, software), and other resources (e.g. equipment, supplies, facilities) required and desired to teach this course.</p>	<p><b>Required:</b> Computer Lab</p> <p><b>Desired:</b></p>
<p><b>Textbook(s)</b></p>	<p>Refer to current academic year printout.</p>