Middlesex Community College

CST 201
Introduction to Management Information Systems
CRN 2026

Instructor	Louis Sapia, Associate Professor
Semester	Spring 2017
Room	Online
Time	Online
Office	Snow Hall, Room 512
Office Hours	<table><tr><th>Day</th><th>Time</th></tr><tr><td>Monday</td><td>9:00 am to 11:00 am</td></tr><tr><td>Wednesday</td><td>9:00 am to 11:00 am</td></tr></table>
Course Description	This course 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 Word are used to demonstrate selected topical concepts.
Scope of Course	Introduction to Management Information Systems provides students with an insightful understanding of how information systems are used to solve business problems and assist professionals in making better decisions in business. The course will describe the principles of management information systems and explain how computer technology is used to process raw data into meaningful information. Students will learn how information systems offer companies a strategic competitive advantage and they will explore the roles of hardware, software, databases, and systems architecture in the business environment. There will also be hands on training on the popular business software applications: Microsoft Excel, Access, PowerPoint, and Project, with emphasis being placed on how these applications are applied to business scenarios.

Program/Discipline Learning Outcomes Contained in Course:	The goal of the Science Allied Health Engineering and Technology (SAHE&T) Division is to incorporate the following learning outcomes into each course: • Written and oral communication skills • Flexibility and adaptive to change • Interpersonal skills and awareness • Understand process management • Teamwork, team-building, and project focus • Awareness and respect for other perspectives • Knowledge of ethical and legal business behavior • Flexibility and adaptive to change • Personal productivity and organizational skills • Ability to understand your customer • Critical thinking, problem solving, and analytical skills • Global awareness and diversity
Importance of Course in Program/Discipline:	CST201 – Introduction to Management Information Systems prepares students by giving them a full understanding of the role of computer technology and information systems in today's business environment. Students in CST201 will learn more than just applications they will see how to apply their knowledge of specific software to solving business problems.
Course Objectives:	The goal of CST201 is to provide each student with a strong foundation on which to build their proficiency in the world of business technology. The following list describes the learning outcomes that support this overall goal: - Understand the fundamentals of the systems environment and strategic uses of Information Systems - Explore hardware components of Information Systems - Understand the role of software in Information Systems solutions

	- Study the importance of data and knowledge management - Examine the telecommunications and network architect that supports the business environment - Understand the Internet and E-Commerce - Develop fundamental skills in basic Web design and create functioning Web site - Understand collaborative work systems and how they support dynamic group processes - Demonstrate knowledge of the integration of business productivity software: • WORD • EXCEL • ACCESS • POWERPOINT
Evaluation and Grading	<table><tr><td align="center">**Grading Items**</td><td align="center">**Total Percentage**</td></tr><tr><td>Case Studies</td><td align="center">45%</td></tr><tr><td>Collaboration Assignments</td><td align="center">45%</td></tr><tr><td>Participation</td><td align="center">10%</td></tr><tr><td>**Total**</td><td align="center">**100%**</td></tr></table> **Assignments handed in late will receive a zero unless arrangements are made with instructor.**
Academic Integrity	Students are expected to maintain academic integrity. All homework and projects are to be individual efforts unless specifically noted in the assignment. It is your responsibility to safeguard your work from others! Any students handing in homework or projects that are <u>substantially alike</u> will all receive a grade of zero for that assignment.
Attendance	Each missed class will result in 2 percentage points off of class participation. 5 or more missed classes will result in one full letter grade reduction. For example, if you earned an A you will receive a B. If you earned a B you will receive a C.

Cell Phones	Cell phone use is **NOT ALLOWED** in this class. If you need to use your cell phone for valid reasons you must discuss this with me beforehand. **EACH TIME YOU ARE CAUGHT USING A CELL PHONE IT WILL RESULT IN 2 POINTS OFF YOUR FINAL GRADE.**
Incompletes	A grade of INCOMPLETE will only be given in accordance with the policy stated in the college catalogue. The student must have completed 80% of the class work in order to request an Incomplete. A signed contract identifying work to be completed and due dates is also required.
Prerequisites	Eligible for either ENG*101E or ENG*101.
Book and Software:	Experiencing MIS 2016 - Text Only - 7th edition ISBN13: 978-0134319063

Grading Equivalency Template:
This system is based on a table published by the College Board, and is commonly employed at colleges and universities throughout the United States.

Letter Grade	Percent Grade	4.0 Scale
A	93.0 - 100.0	4.0
A-	90.0 - 92.9	3.7
B+	87.0 – 89.9	3.3
B	83.0 – 86.9	3.0
B-	80.0 – 82.9	2.7
C+	77.0 – 79.9	2.3
C	73.0 – 76.9	2.0
C-	70.0 – 72.9	1.7
D+	67.0 – 69.9	1.3
D	63.0 – 66.9	1.0
D-	60.0 – 62.9	0.7
F	Less than 60.0	0.0

NOTE: All classroom instructions take precedence over written assignments and dates!

Course Outline

Date	Chapter	Assignment	Assignment Due
5/30	1 - The Importance of MIS	**Individual Work** - Case Study 1, pages 26 thru 28 **Collaboration Work** – 1-8, page 26	
6/1	2 - Business processes, Information Systems, and Information	**Individual Work** - Case Study 2, pages 53 thru 54 **Collaboration Work** – 2-8, page 53	Chapter 1
6/3	3 – Organizational Strategy, Information Systems, and Competitive Advantage	**Individual Work** - Case Study 3, pages 81 thru 83 **Collaboration Work** – 3-6, page 81	Chapter 2
6/5	4 – Hardware and Software	**Individual Work** - Case Study 4, pages 116 thru 118 **Chapter 4 Extension** – CE 4-1	Chapter 3
6/7	5 – Database Processing	**Individual Work** - Case Study 5, pages 147 thru 151 **Chapter 5 Extension** – CE 5-2	Chapter 4
6/9	6 – The Cloud	**Individual Work** - Case Study 6, pages 176 thru 177 **Chapter 6 Extension** – CE 6-1	Chapter 5
6/11	Catch up time		
6/13	7 – Organizations and Information Systems	**Individual Work** - Case Study 7, pages 205 thru 207 **Chapter 7 Extension** – CE 7-1	Chapter 6
6/15		**Project Introduction**	Chapter 7
6/17	8 – Social Media and Information Systems	**Individual Work** - Case Study 8, pages 240 thru 242 **Chapter 8 Extension** – CE 8-1	

6/19	9 – Business Intelligence Systems	**Individual Work** - Case Study 9, pages 272 thru 273 **Chapter 15 Extension** – CE 15-3	Chapter 8
6/21	10 – Information Systems Security	**Individual Work** - Case Study 10, pages 310 thru 311 **Collaboration Work** – 10-4, page 310	Chapter 9
6/23	11 – Information Systems Management	**Individual Work** - Case Study 11, page 336 **Collaboration Work** – 11-4, page 335	Chapter 10
6/25	12 – Information Systems Development	**Individual Work** – Case Study 12, page 365 thru 366 **Collaboration Work** – 12-4, page 364	Chapter 11
6/27	Catch up time		
6/30		**Last day of class**	Chapter 12