

## STANDARDIZED COURSE OUTLINE

### SECTION I

**SUBJECT AREA AND COURSE NUMBER:** CST 201

**COURSE TITLE:** Intro to Management Information Systems

**COURSE CATALOG 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 organization and technical foundations of information systems, theory of design of information, database, and network systems, e-commerce and supply chain systems, and information network security management. Microsoft Excel, Access, PowerPoint and Project are used to demonstrate selected topics.

**LECTURE HOURS PER WEEK:** 3

**CREDIT HOURS:** 3

**LAB HOURS PER WEEK (if applicable):** n/a

**PREREQUISITE(S):** ENG 073 or Eligibility for ENG 101

### SECTION II

**A. SCOPE:**

Students in Introduction to MIS will learn about the various components that comprise an information system, and how information systems are developed and managed within organizations. Students will also learn how organizations use information systems to achieve strategic goals and obtain competitive advantages.

**This course fulfills the Embedded Competency Areas – Continuing Learning/Information Literacy (CL) and Ethical Dimensions (ED).**

**B. REQUIRED WORK:**

Will vary by instructor. Students will be expected to do all required readings, assignments, tests, and quizzes as outlined by their instructor.

**C. ATTENDANCE AND PARTICIPATION:**

Regular attendance, assignment submission timeliness, promptness and class/lab participation will be expected. Instructors will include specific attendance and participation policies requirements in their class syllabi.

**D. METHODS OF INSTRUCTION:**

Methods may include any of the following: lecture, lecture/discussion, small group, collaborative learning, experimental/exploration, distance learning, student presentations, computer demonstrations, or use of technologies such as audio-visual materials, and computer laboratory equipment.

**E. OBJECTIVES, OUTCOMES, and ASSESSMENT**

Students' grades will be based on achievement of learning the objectives and outcomes listed below as measured by the instructor's methods of assessment:

LEARNING OBJECTIVES	LEARNING OUTCOMES	ASSESSMENT METHODS
To demonstrate an understanding of:	Student will:	As measured by:
Purpose of Information Systems	Describe the components of an information system Describe the role of information systems in a business Describe the effect of information systems on business occupations	Homework/Lab assignments; Class Discussions; Student Projects; Quizzes/Exams
Types of Information Systems	Differentiate the different types of Information Systems used within businesses Describe the ways organizations use the following information systems: <ul style="list-style-type: none"> <li>• Transaction Processing Systems</li> <li>• Management Information Systems</li> <li>• Decision Support Systems</li> <li>• Executive Support Systems</li> <li>• Customer Relationship Management</li> <li>• Enterprise Resource Planning Systems</li> <li>• Enterprise Application Integration Systems</li> </ul>	Homework/Lab assignments; Class Discussions; Student Projects; Quizzes/Exams
Collaboration Information Systems	Explain the characteristics and criteria for successful collaboration Describe components and functions of collaboration information systems Utilize collaboration information systems to gather information and make decisions <b>(CL 1)</b>	Homework/Lab assignments; Class Discussions; Student Projects; Quizzes/Exams
Hardware and Software	Classify basic types of computer hardware Differentiate systems software and applications software Describe the various software licensing models Differentiate between Desktop applications and client-server applications	Homework/Lab assignments; Class Discussions; Student Projects; Quizzes/Exams
Database Processing	Describe the purpose and function of a database Describe the components of a database management system	Homework/Lab assignments; Class Discussions; Student Projects; Quizzes/Exams
Data Communications	Identify basic components of a computer network Describe how local area networks connect to the Internet Identify commonly used Internet protocols (TCP,IP,FTP,HTTP)	Homework/Lab assignments; Class Discussions; Student Projects; Quizzes/Exams

Business Process and Information Systems Development	Describe the stages of business process management Describe the relationship between business process management and information systems Describe how the Systems Development Life Cycle (SDLC) is used to develop information systems	Homework/Lab assignments; Class Discussions; Student Projects; Quizzes/Exams
Information Systems Management	Identify the functions and organization of the Information Systems department Identify roles and responsibilities of information system professionals	Homework/Lab assignments; Class Discussions; Student Projects; Quizzes/Exams
Information Security Management	Identify types of security threats Identify the components of a security program	Homework/Lab assignments; Class Discussions; Student Projects; Quizzes/Exams
Ethical Use of Information Systems	Identify and respond to ethical issues surrounding the misrepresentation of information and misuse of information technology for personal or corporate profit. <b>(ED 1, 2) (CL 2, 4)</b>  Apply concepts and terminologies to identify ethical problems and propose and defend solutions to them.	Homework/Lab assignments; Class Discussions; Student Projects

**Core Competency Assessment Artifact(s)**

Assignments from this course that address learning outcomes noted above may be collected to assess student learning across the school.

**F. TEXT(S) AND MATERIALS:**

An appropriate database application text, such as: *Essentials of Management Information Systems (current edition)*, Pearson

**G. INFORMATION TECHNOLOGY:**

This course is an information technology course and will require computer lab time both for teaching and performing assignments.