

MISSOURI WESTERN STATE UNIVERSITY
COLLEGE OF LIBERAL ARTS AND SCIENCES

DEPARTMENT OF COMPUTER SCIENCE, MATHEMATICS AND PHYSICS

Course Number: CSC 200
Course title: Intro to Computer Information Systems
Instructional Methods: On-line

Catalog Course Description:

This course will cover applications of productivity software such as Microsoft Office® Word, Excel, Access, and PowerPoint for careers, school, and home. Impact of technology on society by computer information systems, networks, e-commerce, and the Internet is included.

Prerequisites:

Previous computer experience recommended. Course Overview:

TEXT

COURSE OBJECTIVES

Students who successfully complete this course should be able to:

1. Emphasizes problem-solving, critical thinking, and analysis to challenge students to find efficient and effective solutions to business situations.
2. Understand the broad picture of Information Technology and the scope of the different career paths.
3. Understand the basic hardware configurations and parts of a personal computer.
4. Understand the different types of software applications; operating systems, production application, software as service applications.
5. Understand the basic database concepts and how they relate to business as well as how businesses rely on computer networks in day to day operations.
6. Effectively work together in teams.

COURSE OUTLINE

Part I: INFORMATION SYSTEMS IN PERSPECTIVE.

1. An Introduction to Information Systems in Organizations.

Part II: TECHNOLOGY.

2. Hardware and Software.
3. Database Systems and Business Intelligence.
4. Telecommunications, the Internet, Intranets, and Extranets.

Part III: BUSINESS INFORMATION SYSTEMS.

5. Electronic and Mobile Commerce and Enterprise Systems.
6. Information and Decision Support Systems.
7. Knowledge Management and Specialized Information Systems.

Part IV: SYSTEMS DEVELOPMENT AND SOCIAL ISSUES.

8. Systems Development.

Part V: INFORMATION SYSTEMS IN BUSINESS AND SOCIETY.

9. The Personal and Social Impact of Computers.

Part VI: HARDWARE CONFIGURATION AND CONCEPTS

10. Personal computer organization, number theory, operating systems