

SOUTHEAST MISSOURI STATE UNIVERSITY

M.B.A. Program

Date: Spring 1996
Course No.: BA630
Revised Fall 2012

Title of Course: Integrated Decision Information Systems

I. CATALOG DESCRIPTION AND CREDIT HOURS OF COURSE:

Use of information systems technologies to support decision making. Topics include management information systems, decision support systems, and system development. (3)

II. PREREQUISITE(S): MI375 or equivalent and admitted to MBA Program or consent of MBA Director.

III. PURPOSES OR OBJECTIVES

A. Donald L. Harrison College of Business Assurance of Learning Goals:
For the Master of Science in Business Administration degree program:

The Harrison business faculty has identified five critically important learning goals for those pursuing the Masters of Business Administration degree offered by the Donald L. Harrison College of Business. A student receiving the Harrison MBA degree should:

1. **Demonstrate proficiency in effective communication and team work** by writing a clearly focused, organized and mechanically correct business document, creating and delivering a professional presentation on a relevant business problem with substantive content, organization and delivery; recalling work related information and exhibiting effective team work. (BSBA1)
 2. **Demonstrate advanced knowledge** of accounting, finance, business law, management, marketing, management information systems, and economics by using business related terms, concepts, theories and principles appropriately.(BSBA2)
 3. **Demonstrate the ability to apply critical thinking skills and advanced research skills** to business problems and ethical dilemmas by identifying a problem or ethical issue, presenting and evaluating relevant information; evaluating alternatives; and resolving the problem or ethical dilemma with a justification based on general principles, discipline-specific understanding and professional judgment. (BSBA5)
 4. **Demonstrate upper-level management and leadership skills in a diverse environment** by providing evidence of understanding of individual management styles, evidence of adapting to a diverse environment and other cultures.
 5. **Demonstrate executive management level knowledge (mastery) of technology** by using the Internet, business computer applications, statistical software, and presentation software when creating and making presentations.
- B. University Studies objectives:
1. Demonstrate the ability to locate and gather information (US1)
 2. Demonstrate capabilities for critical thinking, reasoning, and analyzing (US2)
 3. Demonstrate effective communication skills (US3)

4. Demonstrate an understanding of human experiences and the ability to relate them to the present (US4)
5. Demonstrate an understanding of various cultures and their interrelationships (US5)
6. Demonstrate the ability to integrate the breadth and diversity of knowledge and experience (US6)
7. Demonstrate the ability to make informed, intelligent value decisions (US7)
8. Demonstrate the ability to make informed, sensitive aesthetic responses (US8)
9. Demonstrate the ability to function responsibly in one's nature, social, and political environments (US9)

C. Course:

Upon completion of this course, the student should:

1. understand the concepts, tools, and techniques for effective decision making.
2. understand the decision making needs of managers and how they can be enhanced by mathematical and other models and techniques.
3. understand the development process of DSS, MIS, and EIS.
4. be able to develop prototype information systems with appropriate tools..
5. understand the organizational, technological, social, ethical, and global impacts/issues of information technology.

IV. STUDENT LEARNING OBJECTIVES

Upon completion of this course, students should be able to:

1. Analyze a business scenario to determine the underlying information system related problem and recommend a solution for the scenario
2. Analyze a business scenario and create a technology solution
3. Analyze a business process and describe the steps in the process

V. EXPECTATION OF STUDENTS:

- A. Students are expected to be fully participating members of this course, including discussions, individual and team projects and other class assignments.
- B. Students are expected to behave in an academically honest manner to preserve the integrity of the classroom and the learning environment.
- C. Students are expected to be familiar with the contents of the class outline and other instructions provided by the instructor.

VI. COURSE CONTENT OR OUTLINE:

This course will cover the following topics:

- A. The Changing Landscape of IT
- B. Planning Information Systems Resources

- a. Direction Setting
 - b. Business and IT Alignment
 - c. Vision, Mission, Strategy and Operational Planning
- C. Information Technology Infrastructure
- a. Hardware
 - b. Software
 - c. Telecommunications and Networking
- D. The Data Resource
- a. Data Modeling
 - b. Databases
- E. Enterprise Systems
- a. Enterprise Resource Planning
 - b. Supply Chain Management
 - c. Knowledge Management Systems
 - d. Customer Relationship Management Systems
- F. Managerial Support Systems
- a. Decision Support Systems
 - b. Artificial Intelligence
- G. E-Business Systems
- a. Trends
 - b. Application of E-Business Technology
- H. Information Systems Development
- a. Systems Analysis and Design
 - b. Development Techniques
 - c. Modeling
- I. Methodologies for Custom Software Development

- a. Systems Development Life Cycle
 - b. Prototyping
 - c. Other Development Approaches
- J. Methodologies for Purchasing Software Packages
- a. Purchase Process
 - b. Technology Trends
- K. IT Project Management
- a. Project Management Roles
 - b. Project Planning
- L. Supporting Computer Users
- a. End User Application Development
 - b. Support System Resources
 - c. Trends in End User Support
- M. Leading the Information Systems Function
- a. IT Management Roles
 - b. IT Organizational Structure and Governance
 - c. Management Resources
- N. Information Security
- a. IT-based Crime
 - b. IT Risk Management
 - c. Protective Practices
- O. Legal, Ethical, and Social Issues
- a. Privacy
 - b. Intellectual Property Rights
 - c. Social Issues
- P. Case Studies of technology management issues and development

VII. TEXTBOOK

Brown, C.V., DeHayes, D. W., Hoffer, J. A., Martin, E. W. & Perkins, W. C.
Management information technology, (2012, 7th ed.) New Jersey: Pearson/Prentice-Hall,
or other acceptable text approved by the department.

VIII. BASIS OF STUDENT EVALUATION:

- A. Examinations
- B. Computer projects
- C. Group presentation
- D. Quizzes, homework, and other assignments

Specific assignments and the percentage of the course grade will be explained in class.

IX. GRADING POLICY:

The weight of the evaluation criteria may vary according to each instructor and will be communicated at the beginning of the course.

X. ACADEMIC POLICY STATEMENT:

Students will be expected to abide by the University Policy for Academic Honesty regarding plagiarism and academic honesty. Refer to:
<http://www6.semo.edu/judaffairs/code.html>

XI. STUDENT WITH DISABILITIES STATEMENT:

If a student has a special need addressed by the Americans with Disabilities Act (ADA) and requires materials in an alternative format, please notify the instructor at the beginning of the course. Reasonable efforts will be made to accommodate special needs.