

SAMPLE SYLLABUS

ISMG 5100 – Introduction to Management Information Systems

Class requirements / expectations

Prerequisite: General knowledge of computers and ability to use Windows and common applications, such as a word processor and spreadsheet. Training and competency testing is available for free. See www.stedwards.edu/it_dept/competency.

This course also requires good analytical or logical ability, as evidenced by good quantitative scores on standardized tests or good grades in mathematics or logic courses.

Description

This course guides the student through an overview of the Management Information Systems fundamentals. Students analyze common MIS problems and the solutions implemented to address them. The common issues associated with managing the different components of an information system in an organization are also covered.

Objectives

- Describe the types of information systems and data used in business operations
- Formulate the business rationale for a business system
- Explain why data databases have become critical to businesses
- Show the key components of an organization's network
- Define intranets, extranets, internets and their respective roles
- List the types of enterprise systems and the functions they perform
- Explain the alternatives for systems develop and the criteria for choosing one
- Define computer security and describe methods for providing it
- Identify the ethical concerns associated with information privacy and accuracy

Textbooks

Current syllabus for this course may be obtained from professor. This is a sample syllabus and should not be used by students enrolled in this course.

Jessup & Valacich, *Information systems today*, Prentice Hall

Course Outline

The primary course communication method will be via Blackboard and e-mail. I will post assignments and provide feedback each week. The course study in preparation for the final exam follows:

- Chapter One – Information Systems Defined
 - Define Information Systems
 - Describe the various types of information systems.
 - Know the role of the Information Systems department in the organization.
- Chapter Two – Information Systems for Competitive Advantage
 - Define competitive advantage and describe how information systems are used to help organizations achieve it.
 - Discuss how information systems can support an organization's strategy.
 - Explain the process for formulating a business case for a system and the potential obstacles for its approval
- Chapter Three – Database Management for Strategic Advantage
 - Describe what databases are and how they work.
- Chapter Four – Telecommunications and Internet
 - Explain the role of telecommunications and networks in organizations
 - Describe the Internet and how it works.
- Chapter Five – Electronic Commerce
 - Define electronic commerce and describe its evolution.
 - Describe the key factors to successful web-based electronic commerce
- Chapter Seven – Enterprise-Wide Information Systems

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- Define enterprise systems
- Explain the difference between internally and externally focused enterprise systems.
- Identify the keys to successfully implementing an enterprise system.
- Chapter Eight – Information Systems Development and Acquisition
 - Describe the phases of the systems development life cycle
 - Describe prototyping and rapid application development and object-oriented analysis as methods for system development.
 - Explain the alternatives for systems development: external acquisition, outsourcing, and end-user development.
- Chapter Nine – Ethics, Crime and Security
 - Describe the ethics concerns associated with information privacy, property and accessibility
 - Define computer crime and examples.
 - Explain what computer security is and some methods for providing it.

Grading and Grades

- Homework is due by the assigned time. Late assignments will not be accepted.
- Submit your homework using the Blackboard Digital Drop Box.

Details of Grade Elements

Homework	20%
Mid-term	30%
Final (comprehensive)	50%

Special Circumstances

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If you have a medical, psychiatric or learning disability and require accommodations in this class, please let me know early in the semester or as soon as you are eligible. You will first need to provide documentation of your disability to the Student Disability Services Office located in Moody Hall 155 in Academic Planning and Support. (Retrieved November 18, 2002, from www.stedwards.edu/aps/handbook.htm.) For more information: www.stedwards.edu/aps/sds.htm, 448-8557, 448-8660.

Weekly class activity

Homework and due dates will be posted on Blackboard.

Week	Study – Textbook J & V
1	Chap1, Information Systems: The Big Picture
2	Chap 2, Information Systems for Competitive Advantage
3	Chap 3, Database Management
4	Chap 4, Telecom and the Internet
5	Appendix C, Computer Networking
6	Mid-term
7	Chap 5, E-Commerce, Intranets, and Extranets
8	Appendix A, Information Systems Hardware
9	Chap 7, Enterprise-Wide Information Systems
10	Appendix B, Information Systems Software
11	Chap 8, Information Systems Development and Acquisition
12	Chap 9, Information Systems Ethics, Computer Crime, and Security
13	Final Exam

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