

IS300BMG - Management Information Systems - Syllabus

General Course Information

Instructor: Dr. Peter Stephenson, CISSP, CISM, FICAF
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Classroom: D206
Class Times: MWF 08:00 – 08:50
Prerequisites: None

Textbook: Effy Oz, Management Information Systems, Sixth Edition. Course Technology Incorporated, 2009, ISBN 10: 1-4239-0178-9. ISBN-13: 978-1-4239-0178-5

Course Objectives

This course introduces students to the techniques and tools of management information systems. With a clear emphasis on the business and management elements of information technology, the course provides an ideal resource for upper-level business students and MBA students. Coverage is given to the latest information technologies, practices, and trends. The text uses real-world examples and case studies, providing skills and knowledge that are easily transferable to the business world. From overviews of the information age to online business and business intelligence, students will gain a sound balance of the technical and business elements of information technology.

Course Description

This course is designed to make the students knowledgeable of the fundamentals underlying the design, implementation, control, evaluation, and strategic use of modern, computer-based information systems for business data processing, office automation, information reporting, decision making, and electronic commerce. While some of the effort will be devoted to hands-on work with business software, the major emphasis will be on the managerial and strategic aspects of information technology.

Learning Objectives

1. *Terminology.* The student will be able to explain the meaning of terms used to describe common techniques and concepts in business information systems.

2. *Advanced Information Systems Concepts.* The student will be able to describe the ways in which computers are and will be used in business and management. These concepts include telecommunications, electronic commerce, data warehousing and mining, artificial intelligence, and future directions of computer-based information systems.
3. *Behavioral and Organizational Issues.* The student will be able to identify and suggest appropriate responses to managerial and organizational issues stemming from development, implementation, and use of computer-based information systems.
4. *International Issues.* The student will recognize the reality of implementing international information systems, including economic and cultural differences.
5. *Social and Ethical Issues.* The student will understand the major social and ethical issues involved in the development and use of information technology. The student will be able to argue against or in favor of controversial uses of information technologies.

Specific topic coverage includes:

- Business Information Systems: An Overview
- Strategic Uses of Information Systems
- Business Functions and Supply Chains
- Business Hardware
- Business Software
- Business Networks and Telecommunications
- Databases and Data Warehouses
- The Web-Enabled Enterprise
- Challenges in Global Information Systems
- Decision Support and Expert Systems
- Business Intelligence and Knowledge Management
- Systems Planning and Development
- Choices in Systems Acquisition
- Risks, Security, and Disaster Recovery

Grading and Evaluation Criteria

Your understanding and ability to explain terminology, advanced information systems concepts, behavioral and organizational issues, international issues, and social and ethical issues will be measured in the quantity and quality of your answers to our discussions in class and on NUoodle. Additionally we will have a midterm exam, a final exam, a database project and case studies.

Grading

Your grade will be determined as follows:

- Midterm Exam 30%
- Final Exam 30%
- Database Assignment 15%
- Participation in Class Discussions 15%
- Case studies 10%

Class Requirements

Class Meetings

You are required to attend all class meetings. If you miss a meeting, it is *your responsibility* to obtain notes from a fellow student.

Class Participation

The University requires regular attendance by students. Class attendance is useful to the student as a means of acquiring knowledge and clarification, and it is a prerequisite for class participation. Class participation is the active engagement in questions and answers, partaking in analysis of business situations, and contribution of comments in class sessions.

Keep all of your work until the end of the course. Errors may occur or I or NUoodle may lose your assignment. YOU are responsible for being able to resubmit any paper, quiz or assignment that shows as a zero in the NUoodle grade book.

Case Study Web Sites

Whenever you have to read a case, you must also log on to the site of the organization that is the subject of the case, and update your knowledge about the organization's activities as part of preparing for class discussion. It is your responsibility to look the site up on the Web.

NUoodle

Because I am occasionally off campus during our class meetings, some of your assignments will be carried out on NUoodle. NUoodle also is the only place where I will communicate with you on-line so it is your responsibility to stay connected to the information there. When I am off campus during a class period we will conduct our classroom discussions there in a forum I will set up for that purpose. Also, your assignments will be posted every week on our NUoodle site. On-line discussions will be graded and not participating will cost you points.

Academic Dishonesty.

Academic integrity is the pursuit of scholarly activity free from fraud and deception and is an educational requirement of this institution. Plagiarism, presenting others' work as your own, cheating, telling the professor that you "need" a certain grade, or otherwise seeking to gain an unfair advantage over others in the class is academic dishonesty and will not be tolerated. It will be immediately reported for appropriate action. Using the SAME material/topic in two classes without express permission of all professors involved is against academic regulations. There is usually no objection to this practice, but it is only allowed if you check with the instructors first. Professors compare notes quite frequently, so please be sure you are not in violation of this regulation.

Course Outline

(see NUoodle for weekly assignments in addition to your reading assignments)

Week	Topics	Chapter Readings	Assignments
1 (18 Jan)	Business Information Systems: An Overview	Chapter 1	
2 (25 Jan)	Strategic Uses of Information Systems	Chapter 2	
3 (1 Feb)	Business Functions and Supply Chains	Chapter 3	
4 (8 Feb)	Business Hardware	Chapter 4	
5 (15 Feb)	Business Software	Chapter 5	On-Line Discussions This Week – I Am Off Campus
6 (22 Feb)	Business Networks and Telecommunications	Chapter 6	
7 (1 Mar)	Databases and Data Warehouses	Chapter 7	Midterm Exam
8 (8 Mar)	The Web-Enabled Enterprise	Chapter 8	
9 (22 Mar)	Challenges in Global Information Systems	Chapter 9	
10 (29 Mar)	Decision Support and Expert Systems	Chapter 10	

11 (5 Apr)	Business Intelligence and Knowledge Management	Chapter 11	
12 (12 Apr)	Systems Planning and Development	Chapter 12	
13 (19 Apr)	Choices in Systems Acquisition	Chapter 13	
14 (26 Apr)	Risks, Security, and Disaster Recovery	Chapter 14	Final Project Due Next Week