

OMIS 351 Syllabus

Summer 2013

Information Systems in Organizations

Instructor: John Kearsing (kearsing@niu.edu)

Teaching Assistant: Lea, Yunhua Sun (ysun@niu.edu)

Class Meeting Times: Monday & Wednesday 12:30-3:15

Office Hours: BH328B, M & W 3:15 - 5:00

Location: BH 300

Website: <https://sites.google.com/a/students.niu.edu/omis351/>

Overview:

As technical advances in Information Technology (IT) proceed at a rapid pace, business managers are continually challenged to plot the most appropriate course for IT usage. Whereas past Information Technology was primarily used for automating mundane tasks, current applications are expected to serve the broader business goals of the organization as well.

Your success as a business manager will be strongly affected by your ability to make informed and intelligent decisions regarding your organization's IT direction and usage. You will undoubtedly be called upon to participate in acquisition and design decisions, monitoring and evaluation activities, and resource allocation for existing and proposed systems.

This course will visit the basic components and concepts of Information Technology *from a managerial end user perspective*, so that a dialogue can be conducted in which past (and proposed future) IT management techniques can be examined. Actual examples/cases of IT successes and failures in the business world will be analyzed, emphasizing those techniques that have:

- improved the organization's competitive position
- supported the organization's strategic initiative
- assisted management's decision-making, and/or
- played a key role in the process or structural reengineering of the organization.

Generalizations from these cases applicable to other organizations and circumstances will be discussed. Finally, there will be hands on experience with Cloud solutions, web design, and Microsoft Office products, with emphasis on Access and Excel, further illustrating the concepts above.

Course Objectives:

- Understand the role of data, information, and information systems within organizations.

- Use strategic frameworks to analyze the role of information systems inside and outside of organizations.
- Understand hardware, software, telecommunications, data management and security concepts.
- Understand the role of CRM, ERP, SCM, Electronic Commerce and other collaborative partnerships.
- Understand IT-enabled Process Improvement.
- Understand systems creation, obtainment, and modification options including development, project management, and outsourcing.
- Create Web pages, blog, mashups.
- Create and use relational databases for business intelligence. MS Access.
- Understand, create and use spreadsheet-based decision making tools. MS Excel, Google Spreadsheets.
- Understand the benefits and drawbacks of Cloud software & infrastructure enough to present a professional level financial vs. functional analysis of Cloud vs. Traditional IT

Textbook:

[Gallaughier. Information Systems: A Manager's Guide To Harnessing Technology, v 1.4.](#)

Grading:

The percentage breakdown of your final grade is as follows:

10% [Class Participation](#)
 30% Six Technical Exercises
 35% Six Quizzes
 25% Final Exam

OMIS 507 Students [Click Here](#)

Detailed Course Schedule

Week	Date	Topic	Assignment Due
1	6/17 - M	Lecture: Intro, Chapter 1,2	
1	6/19 - W	Tech Ex 1: Create your own Google Site Embedded Google spreadsheets to calculate grade	
2	6/24 - M	Lecture: Chapter 2, Chapter 4 - Fresh Direct Netflix	Quiz 1 - Chapter 1
2	6/26 - W	Tech Ex 2: Google Sites Deep Dive. Integrate	Tech Ex 1 - end of

		Analytics. Group. Calendar. Maps. Video. Survey	class
3	7/1 - M	Lecture: Chapter 5 - Moore's Law	Quiz 2 - Ch 4
3	7/3 - W	Tech Ex 3: Google Apps Deep Dive. Advanced Spreadsheets	Tech Ex 2 Week 3 - Discussion Board Responses
4	7/8 - M	Optional lab attendance.	Week 4 - Tech in the news post
4	7/10 - W	Lecture: Chapter 6 - Understanding Network Effects Tech Ex 4: Excel 2013: Business Intelligence with Excel 2013.	Quiz 3 - Ch 5 Tech Ex 3 Week 4 - Discussion Board Responses
5	7/15 - M	Optional Lab Day - for Tech Ex 4.	Week 5 - Tech in the news post
5	7/17 - W	Lecture: Chapter 11, Data Tech Ex 5: MS Access	Quiz 4 - Ch 6 Tech Ex 4 Week 5 - Discussion Board Responses
6	7/22 - M	Lecture: Chapter 12 - Internet.	Quiz 5 - Ch 11 Week 6 - Tech in the news post
6	7/24 -W	NIU DataCenter Tour and Infrastructure briefing (Meet in front of library @ 12:30). Tour approx 1 hr. Tech Ex 6: Google Analytics integration with Google Site using Google Apps Script	Tech Ex 5 Week 6 - Discussion Board Responses
7	7/29 - M	Lecture: Chapter 14 Google. Exam Prep	Quiz 6 - Ch 9/10 Week 7 - Tech in the news post
7	7/31 - W	Final Exam. 100 questions, over 6 quizzes 90 minutes.	
8	8/5 - M	No Class	
8	8/7 W	No Class	

Class Participation - 10%

5% Randomly call on students in class to answer questions regarding the reading material.

5% There will be 6 weeks of tech articles, posted by every student to their discussion board, which you will have to select two to read and respond to. We'll be looking through the discussion boards weekly, keeping track of the ZIDs that have responded with a meaningful response.

[Discussion board guidelines](#)

Technical Exercises - 30%

Technical Exercises are assignments that involve hands-on learning and require you to create something (e.g. a website, report, or small system) following step by step instructions. We have six exercises over the course of eight weeks. You will be given in-class lab time on Wednesdays to work on the labs and receive any help you might need. You have one week to complete the assignment. I highly encourage the use of a laptop in labs so you can work in the classroom with our Teaching Assistant.

Wednesday labs are optional attendance. If you think you can handle the assignment on your own you are more than welcome to do so.

