

New Jersey Institute of Technology

Information Systems Principles

IS677

Instructor: Dr. Art Hendela
Office: GITC 5108
Hours: Monday: 10:30 AM – 11:30 AM
Tuesday: 10:00 AM – 11:00 AM
Friday: 11:30 AM – 12:30 PM
Other times by Appointment
Contact: ahh2@NJIT.EDU
Moodle: <http://moodle.njit.edu>

Course Description

The course provides an overview of the strategic management of Information Technology (IT) resources. It presents issues and examples for the alignment between IT and corporate functions. Students will learn how to establish effective IT strategy processes, review tools and techniques for strategy definition, determine personnel and financial resources for IT implementations, evaluate alternative solutions for organizing, managing and controlling IT systems. The role of the CIO and the challenges of global IT organizations will be emphasized.

Text, Readings, and Collaborative Conferencing System

- Pearlson, K.E., Saunders, C.S. and Galletta, D.F. Managing and Using Information Systems: A Strategic Approach, Wiley, 6th Edition, 2016, ISBN: 978-1-119-24428-8. Directly from Wiley: www.wiley.com
- Notes & Required Articles: *Included in the Moodle and in the Forums along with Bloom's Taxonomy and other material-*

Course Objectives

To provide students with an understanding of the nature of IT Strategies' role in the present and future business environments, the methodology used in their development, and the management issues involved in their successful application to business problems. The following topics will be covered:

- Aligning IT goals and organizational strategy
- Translating strategic and IT objectives into operating principles
- IS planning: architecture, infrastructure and funding
- The IS organization: personnel, structure and leadership
- Legal and ethical issues related to using information
- Project life cycles, change control and risk management
- The role of IT in organizational change
- Organizational influences on project success (culture, rewards and measures)
- Dealing with the challenges of implementation
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Honor Code

Any evidence of cheating in any form including plagiarism and cutting & pasting from the Internet, will be dealt with according to the honor code of NJIT (course failure and suspension or expulsion). Please note: There will be no warnings or chances with regard to cheating. Any discovered case of cheating will be immediately passed to the Dean of Students for further investigation.

This is your warning now. Cheating is not worth it - you may not only fail this course, but also be suspended from NJIT. The full text of the NJIT Honor Code is available for your review at <http://www.njit.edu/academics/honorcode.php>. THE INSTRUCTOR RESERVES THE RIGHT TO REQUIRE REMOTE EXAM PROCTORING SOFTWARE SUCH AS RESPONDUS.

Regarding Participation

Class members come to MIS-645/IS-677 (these are the same course) with a myriad of backgrounds, experiences and opinions. Some of you will have no IT/IS experience at all! Everyone will benefit from everyone else's experiences and knowledge. We are structuring the class to encourage discussion, both during class and on-line in-between classes. During both types of discussions, your participation in discussions especially classroom is expected, if you do not attend class or do not notify me of your absence before class I reserve the right to lower your implication grade.

Learning Goals and Learning Outcomes

Learning Goal 4: Management of Technology

Learning Objective 4.1 Students have the ability to analyze the impact of technology in a business environment.

Measurement: Benefits, Implementation, Justification of the technology, Critical assessment (Compare and contrast the technology with other similar technologies) from a business perspective.

Assignments: All assignments are due as listed on the Moodle board. Late assignments receive zero (0) credit. All assignments are to be posted in the appropriate assignment/forum on Moodle.

See Moodle for assignment dates

1. **Mini-Cases** – individual – 25%, this includes a required written document submitted to Moodle. This is also made up of in-class discussion comments made during the weekly discussions.
2. **Planned on-line virtual discussions – 3 (individual) – 25%**
Make Meaningful commentary on the article and on each other's comments. Initial comment is would up to 6 points. Individual comments are worth 0 or 1 point. "That was a good point" is an example of a 0 point comment.
 - **D1: All Comments Due by assigned due date.**
 - **D2: All Comments Due by assigned due date.**

- **D3: All Comments Due by assigned due date..**

3. QUIZES (4) – Total of 50% of your total grade.

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4. Total points of course = 100

On-line Assignments and Virtual Class Discussions:

The purpose of this assignment is to learn from the experiences and knowledge of each other. There will be Two (2) on-line assignments on various management information systems Topics each lasting 1 week.

There are two parts to the on-line discussion. The initial part is to post a summary and address the questions posted in the discussion forum. The Final 4 comments are for you, the student to discuss other student’s initial comment or subsequent comments.

Comments such as “I agree” or “I disagree” do not count. You are expected to integrate the course material in each comment. Add value!! **Each comment should be at least 50 words. No more than 2 comments on a single day.** If any of the required 4 comments are posted on the last two days of the open assignment you will not receive credit. Additional comments are always welcome.

Grading Policy

<ul style="list-style-type: none"> • A 92 and up • B+ 87 to 92 • B 78 to 87 	<ul style="list-style-type: none"> • C+ 75 to 77 • C 60 to 74 • F less than 60
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There are no incompletes.

Assignments that are not completed on time receive zero (0) credit. Final grades are based on total scores including on-line and in class participation.

Critical Thinking

http://www.criticalthinking.org/aboutCT/define_critical_thinking.cfm

Course Schedule: The course schedule is subject to change depending on the speed we cover the class materials.

1	Introduction The Information Systems Strategy Triangle	Chapter 1	
2	Strategic Use of Information Resources	Chapter 2	
3	Organizational Strategy and Information Systems	Chapter 3	
4	Information Technology and the Design of Work	Chapter 4	
5	IT and Business Transformation Architecture and Infrastructure	Chapter 5 Chapter 6	
6	Privacy and Ethical Considerations in Managing Information	Chapter 13	
7	Security	Chapter 7	
8	The Business of IT	Chapter 8	
9	Governance of the Information Systems Organization	Chapter 9	
10	Information Systems Sourcing	Chapter 10	
11	Project Management	Chapter 11	
12	Knowledge Management, Business Intelligence, and Analytics	Chapter 12	
13	e-Commerce	Special Lecture	
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