Course Description

This course introduces the field of Information Systems; the study of how people and organizations should use information technologies effectively. We examine the major areas in the field, analyzing the major issues, trends and problems. We survey the role of information systems in organizations and how these systems support organizational objectives and organizational structure, as well as providing competitive business advantages. We discuss basic concepts such as the systems point of view, the organization of a system, the nature of information and information flows, as well as how people process information and related cognitive concepts. We also examine various types of information system applications such as e-commerce, supply chain, decision support, and enterprise systems.

Text, Readings, and Collaborative Conferencing System

- Notes & Required Articles: Included in the Moodle and in the Forums along with Bloom’s Taxonomy and other material-

Course Objectives

The course intends to build a wide range of analytical, communication, interpersonal, leadership, and technology skills. Students will be able to:

- Explain the technology, people and organizational components of information technology / information systems (IT/IS) from the perspective of business users and managers.
- Understand how organizations can use IT/IS for competitive advantage.
- Explain how enterprise-wide information systems support business activities and enable a comprehensive understanding of company data.
- Understand information systems development and management issues.
- Discuss the ethical concerns associated with information privacy, accuracy, intellectual property rights, and accessibility.
- Recognize when information is needed, locate it efficiently, evaluate its relevance, authoritatively and validity, use it to build new knowledge, and communicate that knowledge.
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.

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

<table>
<thead>
<tr>
<th>Learning Goal 4: Management of Technology</th>
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<tr>
<td>Learning Objective 4.1 Students have the ability to analyze the impact of technology in a business environment.</td>
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<tr>
<td>Measurement: Benefits, Implementation, Justification of the technology, Critical assessment (Compare and contrast the technology with other similar technologies) from a business perspective.</td>
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Team Assignments

Teams are required for two assignments (Team Cases). Teams will consist of 5 to 6 members. Each team member needs to contribute to the effort. Each team will have a private Moodle forum. Teams are required to use the forums. If a team member does not contribute the other members may FIRE that person or persons. That FIRED member will then be required to do the assignment on his/her own and lose 20%.

Teams will be assigned the instructor. See your profile and the team list under Teams in Moodle.

Assignments: All assignments are due at 09:00 pm on the due date. Late assignments receive zero (0) credit. Late team assignments receive zero (0) credit for each team member. All assignments are to be posted in the appropriate assignment/forum on Moodle.

See Moodle for assignment dates: http://njit2.mrooms.net/
1. **Implications** – *individual/weekly – 10%,* this includes a required written document using the implication template, submitted to Moodle. This is also made up of in-class discussion comments made during the weekly discussions. Breakdown; written implication, 40 points, each comment 15 points, (= 60 points)

2. **MISQ Exec article and presentation** (individual) = 20%.

3. **Planned on-line virtual discussions** – 4 (individual) – 40%
   - D1: Initial- second week Final four- one week later
   - D2: Initial- fourth week Final four- two weeks later;
   - D3: Initial- eighth week Final four- two weeks later;
   - D4: Initial- tenth week Final four- two weeks later.

4. **Team Cases (2) – 1st @ 10%, 2nd @ 20%**
   - Team case 1 has two parts – individual and Group, 50% each
   - Team case 2 has three parts – Individual -50%, Group Report-30%, Group Presentation 20%

5. **Total points of course = 100**

**On-line Assignments and Class Discussions:**

The purpose of this assignment is to learn from the experiences and knowledge of each other. There will be Four (4) on-line assignments on various management information systems Topics each lasting 2 weeks.

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.*

**Discussions Start September 3, 2014. Start as soon as you can!**

The discussions are in place of essay question exams. I expect you to show me what you have read (required articles, other articles, business trade articles, video from the course and other material. Please make sure you cite the sources and integrate them with the assignment. The best scores will get material from the eNJIT and AIS Library. Show me that you are reading the material and extra material.

| Planned on-line virtual discussions (individual) – 4@ 10% Total 40% Due on-line |
|-----------------------------------------------|-----------------|-----------------|-----------------|-----------------|
| Discussion | Start | Weeks | Initial Due | Final Four Due* |
| D1 10% | 9/3/14 | 2 | 9/17/14 9AM | 9/24/14 9AM |
| D2 10% | 9/24/14 | 2 | 10/8/14 9AM | 10/15/14 9AM |
| D3 10% | 10/15/14 | 2 | 10/29/14 9AM | 11/5/14 9AM |
| D4 10% | 11/5/14 | 2 | 11/19/14 9AM | 11/26/14 9AM |
| D5 | 12/3/14 | | | 12/14/14 |

*If you do the required 4 comments on the last 2 days you receive ZERO credit. Space your comments out. Follow all of the guidelines on the assignments. Additional comments are always welcome. Do not post 4 comments on the same day, unless you post more on other days. This can result in credit for only 2 comments.

**Grading Policy**
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

Further information on Assignments:

MISQ Exec Review and Presentation – 20%

MISQ Exec Review:

Luftman, J., & Kempaiah, R. An update on business-IT alignment: "a line" has been drawn. MIS Quarterly Executive, 6(3), 2007, 165-177.

Or

Barbara H. Wixom, B.H., Yen, B., & Relich, M. Maximizing value from business analytics, MIS Quarterly Executive 12(2), 2013, 111-123.

Upload the document as Last-Name-MISQE-doc

Each student should individually prepare a 5-10 page report. This report must include the following subheadings:

- **Summary** of the paper
- **Research question(s)** addressed by the article. It is the motivation for the article. It is the reason why the paper was written and or why the experiment or case study was conducted. Why was it written or why the experiment or case study was performed to address a question that was unanswered up until now.
- **Contribution of the article.** What is important information is being presented in the article to you or an IT/IS director/CIO. The value added work of the article. What new knowledge has been added because of the article? It addresses the research question and then typically goes beyond that.
- **Course Integration (CI): This is a Separate section on CI.** Integrate course concepts into your report and presentation (Very Important; this is worth more). This includes, the text, (Pearson & Saunders, discussions, and all articles), and other relevant business and trade publications. **You can integrated from other IS and Management courses. Minimum of 5 course materials (This does not guarantee a perfect report).**
- **Critique and analysis (See Bloom’s Taxonomy of the article based on course material and other articles.)** Critically assess the article. Look at how the literature review section in the article is written. Which course articles (or other material, i.e. videos, text, etc) justifies a point of view. Support your arguments and conclusions with course material and
other business/academic material. Academic material gets more weight. **Minimum of 5 course materials (This does not guarantee a perfect report).**

- **Lessons learned**- Add value to the paper; what you have learned and what a CIO would learn.
- **References in MISQ Format**

Cite material from other MBA or MS graduate courses.

One inch margins, double spaced only, 12 point font, you will lose points if you do not follow this formatting.

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

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<td>Organizational Impacts of Information Systems Use</td>
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<td>TAM: Davis, 1989; Venkatesh &amp; Davis, 2000; others</td>
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<td>5</td>
<td>Information Technology and the Design of Work</td>
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<td>Information Technology and Changing Business Processes</td>
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