

Syllabus

MGT-679 Management Information Systems

Semester: Spring 2007	Day of Week/Time: Monday/ 6:15 to 8:45 PM, Babbio Center Room #
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Overview

The course is designed, to facilitate Non-IT Professionals/Students understanding of how to leverage IT in their organization. IT Strategy and Management examines how IT enables/drives organizations to conduct business in radically different and more effective/efficient ways. It covers the current and emerging issues of IT strategy and management.

This course addresses the tactical, operational, and strategic responsibilities and roles of business executives in leveraging their IT resource. The alignment of business and IT is the primary focus of this course. Emphasis is placed on current/emerging issues/opportunities in creating and coordinating the key activities necessary to ensure IT's contribution to the success of the organization by examining important areas such as IT governance, IT value, IT processes, IT organizational structure, Outsourcing, managing emerging technologies, and IT strategy for competitive advantage.

Prerequisites:

There is no prerequisite course. But, it is ideally taken after Organization Design, Project Management, and Finance.

Learning Goals

Students will be able to leverage their IT organization as they understand the business person's role in how to:

- Measure the strategic use of IT

- Analyze the impact of IT on the organization
- Assess the impact of IT emerging technologies
- Define how to demonstrate the value of IS
- Describe the essential human resources components and structure of the IS organization
- Identify the characteristics of successful IS organizations
- Determine the appropriate conditions under which to outsource
- Recognize the importance/value of aligning IS and business strategies
- Understand the different role that IS can have in the enterprise
- Assess IT processes
- Define a business strategy that leverages IT

Explanation and Expectation

Within the context of the total curriculum, the purpose of the course is to ensure that managers are cognizant of the role that IT can play in attaining the business objectives of the firm, as well as the role that business can play in attaining these objectives.

This course typically combines lectures, roundtables, and cases. The topics selected present the important tasks that a business manager must know to ensure IT-business alignment.

Pedagogy

Students are expected to derive an IT organization (structure, processes, skills, and strategy) that leverages information technology across the firm. Students are encouraged to understand the issues from the perspective of senior business managers.

Required Text(s)

1. Competing in the Information Age: Align in the Sand, Jerry Luftman, Oxford University Press, 2003.
2. Managing the IT Resource, Jerry Luftman, Prentice Hall, 2004.

Additional Readings

1. Manager's Guide to Making Decision about Information Technology, Paul Gray, Wiley Publication
2. Corporate Information Strategy and Management, 7th Edition, Lynda M. Applegate, McGrawHill Publishing, 2007. Information Technology: Strategic Decision Making for Managers, Hennerly C. Lucas, Wiley Publication,

3. Information Technology for Management: Transforming Organization in the Digital Economy, 5th Edition, Wiley Publication.
4. A major case study (students' organization) and several academic cases vignettes will also be used.
5. Class notes are available via the Stevens web.

Online Resources

Useful Online resources are:

- <http://www.cio.com/>
- <http://www.internetweek.com/>
- <http://www.informationweek.com>
- <http://www.computerworld.com/>
- <http://www.inforworld.com>
- <http://www.zdnet.com/>

Useful websites for strategic management principles, frameworks, models and resources

- <http://www.tutor2u.net/>
- <http://www.quickmba.com/>
- http://1000ventures.com/business_guide/
- <http://www.valuebasedmanagement.net/>

Assignments

Each student will be expected to read recent research, trade journals, and articles, to apply to their own organization or conduct original research.

Assignment	Grade Percent
Final Project	40%
SAM Presentation	15%
As-Is Presentation	5%
IT Organization & Governance Presentation	5%
Mid Term Exam/Quizzes	10%
Team Cases	15%
Participation and Reliability	10%
Total Grade	100%

Ethical Conduct

The following statement is printed in the Stevens Graduate Catalog and applies to all students taking Stevens courses, on and off campus.

“Cheating during in-class tests or take-home examinations or homework is, of course, illegal and immoral. A Graduate Academic Evaluation Board exists to investigate academic improprieties, conduct hearings, and determine any necessary actions. The term ‘academic impropriety’ is meant to include, but is not limited to, cheating on homework, during in-class or take home examinations and plagiarism.”

Consequences of academic impropriety are severe, ranging from receiving an “F” in a course, to a warning from the Dean of the Graduate School, which becomes a part of the permanent student record, to expulsion.

Reference: The Graduate Student Handbook, Academic Year 2003-2004 Stevens Institute of Technology, page 10.

Consistent with the above statements, all homework exercises, tests and exams that are designated as individual assignments MUST contain the following signed statement before they can be accepted for grading.

I pledge on my honor that I have not given or received any unauthorized assistance on this assignment/examination. I further pledge that I have not copied any material from a book, article, the Internet or any other source except where I have expressly cited the source.

Signature _____

Date: _____

Please note that assignments in this class may be submitted to www.turnitin.com, a web-based anti-plagiarism system, for an evaluation of their originality.

Course Schedule

S.No.	Week	Topic	Readings	Case Study
1	Week1	Introduction of IT Strategy	<ul style="list-style-type: none"> IT does not Matter Does IT Matter? 	
2	Week2	Role of the CIO		
3	Week3	Key IT Processes-I		
4	Week4	Key IT Processes-II		
5	Week5	As-Is Presentation		
6	Week6	IT Organization and HR Consideration		
7	Week7	IT Governance	<ul style="list-style-type: none"> A Matrixed Approach to Designing IT Governance 	
8	Week8	IT Organization and Gov. Presentation		
9	Week9	Managing Emerging Technology		
10	Week10	IT Outsourcing	<ul style="list-style-type: none"> Offshoring without Guilt Offshoring versus "Spackling" 	
11	Week11	Team Case Presentation		
12	Week12	SAM Presentation		
13	Week13	IT for Competitive Advantage	<ul style="list-style-type: none"> Internet and Strategy 	
14	Week14	Value of IT		
15	Week15	Final Summation Research and Presentation		