

Wagner College
MG 620 – MANAGEMENT OF TECHNOLOGY

TEXTBOOK: ***Required Textbook: Management Information Systems:***

Managing the Digital Firm

By Kenneth C. Loudon & Jane P. Loudon, 8th Edition, Prentice Hall, 2004

Optional Textbook: Information Technology for Management:

Transforming Business in the Digital Economy

By Turban, McLean, Wetherbe, 4th Edition, Wiley, 2004

INSTRUCTOR: Dr. Adrian Ionescu <http://www.wagner.edu/faculty/users/ionescu/>

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OFFICE: Room 117, Megerle Science Hall, x3245

OFFICE HOURS: MW 09:20 – 10:20 AM (by appointment only)
TTH 09:20 – 11:20 AM

COURSE WEB PAGE: <http://ionescu.pageout.net/>

COURSE OBJECTIVES: This course examines the emerging role of the Chief Technology Officer in organizations and how technology is used to gain a competitive advantage. Issues related to management information systems are also studied, with an emphasis on how technology is used to integrate organizational activities. Topics include computer technology, data communications, system design, computer ethics, human-to-computer interfaces, and computer based decision support systems. Main objectives:

1. To provide an understanding of information technologies and their role in the management of organizations.
2. To introduce the student to information systems concepts, terminology, and technologies related to the changing needs of organizations.
3. To learn how to plan, organize, and manage information systems resources in small to global level organizations to achieve competitive advantage.
4. To learn to develop a computer application to solve on organizational problem in a functional area like finance, marketing, operations, etc.

OUTLINE:

I. ORGANIZATIONS, MANAGEMENT AND THE NETWORKED ENTERPRISE.

1. Managing the Digital Firm.
2. Information Systems in the Enterprise.
3. Information Systems, Organizations, Management, and Strategy.
4. The Digital Firm: Electronic Commerce and Electronic Business.

II. INFORMATION TECHNOLOGY INFRASTRUCTURE.

6. Managing Hardware and Software Assets.
7. Managing Data Resources.
8. Telecommunications and Networks.

9. The Internet and the New Information Technology Infrastructure.

III. MANAGEMENT AND ORGANIZATIONAL SUPPORT SYSTEMS FOR THE DIGITAL FIRM.

10. Managing Knowledge for the Digital Firm.

11. Enhancing Management Decision making for the Digital Firm.

IV. BUILDING INFORMATION SYSTEMS IN THE DIGITAL FIRM.

12. Redesigning the Organization with Information Systems.

13. Understanding the Business Value of Systems and Managing Change.

The course will be guided by a series of lectures. These lectures will serve as launching pads from which discussions, individual and group activities, and in-class work-sessions will eventuate. Sufficient time will be allotted for discussions and informal and task-oriented group sessions. Independent research assignments and individualized meetings with the professor are offered. Most important, the course will be organized to provide an informative and valuable educational experience for its participants.

NOTE: This course requires an experiential learning component of at least 8.5 additional hours (510 minutes) beyond the two hours (120 minutes) of weekly in-class instruction. To fulfill this requirement the following experiential activity, matched to course learning outcomes, must be completed. The activity will be assessed and graded as noted in this syllabus. Please note further that this experiential learning component is not meant as a homework assignment. Rather, it is an integral part of the instructional time for this course: Research in the field related to the course.

GRADING POLICY: You are responsible for all material covered in class, as well as that in the text. Homework will be collected and graded weekly.

- EXAM 1 (25%)
- EXAM 2 (25%)
- FINAL EXAMINATION (25%)
- HOMEWORK/PROJECTS /EXPERIENTIAL LEARNING (25%)

GRADING SCALE: Letter grades will be determined by the following scale, where 100 corresponds to the highest point total earned by any student in the class:

Average	Grade
93 - 100	A
90 - 92	A-
87 - 89	B+
83 - 86	B
80 - 82	B-
77 - 79	C+
73 - 76	C
70 - 72	C-
67 - 69	D+
60 - 66	D
< 60	F

COURSE POLICIES:

- There will be no make-up examinations. *A student who is unable to attend a major examination due to illness or other emergency is required to contact his instructor within 24 hours of the exam time.* If an exam is missed due to an emergency, the final will be counted twice; once as a final, and once in place of the missed exam. Late homework will not be graded.
- Any preceding policies may be waived at my discretion

For inclement weather updates or other announcements please check your e-mail and the following page regularly: <http://www.wagner.edu/faculty/users/ionescu/notes.htm>.

If you have a disability for which you may be requesting an accommodation, you are encouraged to contact both your instructor and Dina Assante in the Academic Advisement Center, 390-3278 as early as possible in the term.