



**MARTIN TUCHMAN
SCHOOL OF MANAGEMENT**
NEW JERSEY INSTITUTE OF TECHNOLOGY

Instructor: Bhaskar Goswami

Office: CAB 2018 **Phone:** NA

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Class Location: Kupfrian Hall | Room 205

Class Time: Wednesday 6:00 PM to 8:50 PM

Prerequisites: None

Office Hours: Tuesday & Wednesday, 5:00 PM to 5.50 PM by appointment via Webex or in the Office.

Course Title: Introduction to
Management Information Systems
Course Number: MIS 245-101
Semester: Fall 2024

Course Overview

Management Information Systems (MIS) focuses on studying people, information technology, organizations, and their relationships. MIS professionals assist organizations in maximizing the benefits of their investments in personnel, equipment, and business processes. It is a people-centric discipline that emphasizes using technology to deliver services effectively.

This course explores the fundamental concepts of information systems, business processes, hardware, software, and systems analysis. Topics include e-commerce, enterprise systems, and the role of computer applications within organizations. Students will also examine techniques for systems analysis, design, implementation, and information management, both technical and behavioral, within the context of organizational management needs. The course further covers topics such as acquisitions, the development of intermediate and long-term MIS plans, the integration of personal computers, minicomputers, and mainframes, as well as security and control measures.

Students will be responsible for assigned readings from the required text and additional readings when noted. Class lectures will include slides of corresponding content and illustrations of topics addressed. Slides and additional resources from the corresponding lectures will be distributed in digital form before class.

Required Course Materials

Laudon, K. C., & Laudon, J. P. (2021). Management Information Systems: Managing the Digital

Firm (17th ed.). Prentice Hall.

Print: ISBN-13: 9780136971276

Digital Rental: ISBN-13: 9780136971542

Learning Outcomes

Upon successful completion of this course, the student should be able to:

- **Describe MIS in Global Business:** Discuss the role and function of management information systems (MIS) in today's global business environment.
- **Identify Information System Components:** Identify and describe the major components of a computer-based information system, including hardware, software, operating systems, and operating environments.
- **Distinguish Telecommunications Networks:** Differentiate the components of wired and wireless telecommunications networks that support Internet, Intranet, and Extranet systems crucial for modern business operations.
- **Evaluate Information Systems:** Compare, evaluate, and select the most efficient and effective computer-based information systems from a management perspective.
- **Explain Hardware and Software Interdependence:** Explain the interdependence and functionality of hardware and software components in information systems and advise MIS staff on technical decisions.
- **Analyze IT for Business Decisions:** Analyze how information technology can synthesize complex data to enhance sound business decisions.
- **Examine Ethical and Social Issues:** Examine the ethical and social issues related to information systems that today's technology managers and organizations face.
- **Formulate MIS for Competitive Advantage:** Develop processes and systems with technology personnel to leverage MIS for competitive advantage, including knowledge management, business intelligence, and customer intimacy.
- **Evaluate and Mitigate Security Risks:** Apply course knowledge to evaluate and mitigate security risks within information systems.

Expected Learning Outcomes

In addition to content-specific course objectives, the course intends to help students develop a wide range of analytical, communication, interpersonal, and technology skills, namely:

Competencies	Outcome
LC 1 Develop an Understanding of Business Concepts and the Technical Knowledge to Solve Business Problems	LO 1.1 Our students will demonstrate the knowledge and application of business fundamentals
	LO 1.2 Our students will demonstrate the ability to solve business problems using current technology
	LO 1.3 Our students will demonstrate the ability to use technology for effective project management
LC 2 Develop Effective Communication Skills	LO 2.1 Our students will demonstrate the ability to deliver effective presentations enhanced by technology

	LO 2.2 Our students will demonstrate the ability to write clear and concise reports based on relevant information
LC 3 Interact Effectively in Teams	LO 3.1 Our students will demonstrate the ability to understand and use team-building behaviors to accomplish group tasks
LG 4 - Develop Ethical Reasoning Skills	LO 4.1 - Our students will demonstrate the ability to identify ethical dilemmas and make decisions grounded in ethical principles

Course Website

Please go to CANVAS. The Canvas site is where most course materials are posted. Make sure you have an NJIT UCID and password so that you are able to access Canvas. I will use Canvas to post announcements and supplemental materials throughout the semester. **So, please be sure to check the site (canvas.njit.edu) frequently. Please contact the helpdesk (973-596-2900) for problems associated with Canvas.**

Course Deliverables/ Final Grade Components

Your grade for this course will be based on the following components:

Component	Weight
Mid-Term Exam	20%
Class Quizzes	30%
Final Exam	25%
Course Paper/Project	20%
Attendance	5%

An explanation of each assignment/assessment will be detailed on Canvas.

Final Grades

Grades are a reflection of the level of understanding of course content. Therefore, to achieve a grade of A or B in this class, expect to:

- Be prepared. This means actively participating in discussions, exercises, and activities to further understanding.
- Turn in all course deliverables in a timely and professional manner.

With less preparation and participation, expect a grade of C or lower.

I have had students be very casual in taking a class for the first part of a term. Then, as the class nears the end, the student realizes a bad grade may be in the future and asks for an extra credit opportunity or extensions to due dates. Please know now that such opportunities are not fair to the other students. So, the grading system established in this syllabus is final, and no other opportunities exist. This means that each student should take this class seriously from the first week.

Final course grades will be based on the following scale (there will be NO curve):

Grading Scale

A	B+	B	C+	C	D	F
90%	85%	80%	75%	70%	60%	<60%

Late Assignments

Late assignments will not be accepted for grading unless there is a severe illness or an emergency situation. In these cases, legitimate documentation of the emergency must be presented and approved by the office of the Dean of Students before extensions will be granted. The Canvas submission drop boxes for Project submission stay open for three additional days beyond the due date with a 10% per day late penalty.

Email Etiquette

This is a business course, and the expectation is that you will conform to appropriate business letter-writing practice in all of your emails to me. The following are the basics.

- Put the course name (e.g., course name or course number) in the subject line
- Identify the subject of the e-mail with a brief but descriptive summary of the topic: include a proper salutation and the assignment details, such as the title, homework, or test.
- Proofread your e-mail for proper sentence structure, capitalization, spelling, and punctuation.
- Conclude the e-mail message with a proper closing (e.g., Regards, Sincerely) and your full name.

(Note: Do not e-mail requests for additional grade points unless there is an error in the grading. Please note that any grade discrepancies must be addressed within two weeks of the assignment's due date. Grades are not 'given out' by the professor; they are 'earned' by the student. So, make sure that you 'earn' a grade that you can live with.)

Academic Integrity

Learning is both an individual and a cooperative experience. Asking for and giving help freely in appropriate settings helps you learn. However, you should present only YOUR work as your own. University rules and standards define and prohibit "academic misconduct" by all members of the academic community, including students. You are asked and expected to be familiar with these standards and abide by them.

Academic Integrity is the cornerstone of higher education and is central to the ideals of this course and the university. Cheating is strictly prohibited and devalues the degree that you are working on. As a member of the NJIT community, it is your responsibility to protect your educational investment by knowing and following the academic code of integrity policy that is found at: <http://www5.njit.edu/policies/sites/policies/files/academic-integrity-code.pdf>.

*Please note that it is my professional obligation and responsibility to report any academic misconduct to the Dean of Students Office. **Any student found in violation of the code by***

cheating, plagiarizing or using any online software inappropriately will result in disciplinary action. This may include a failing grade of F, and/or suspension or dismissal from the university. If you have any questions about the code of Academic Integrity, please contact the Dean of Students Office at dos@njit.edu.

Accommodations

Educational access is the provision of classroom accommodations, auxiliary aids and services to ensure equal educational opportunities for all students regardless of their disability. *If you are in need of accommodations due to a disability please contact Scott Janz (oars@njit.edu), Associate Director of the Office of Accessibility Resources & Services (OARS), Kupfrian Hall 201, to discuss your specific needs. A Letter of Accommodation Eligibility from the OARS authorizing your accommodations will be required.* Accommodations need to be requested in advance and will not be granted retroactively.

Final Comments

I reserve the right to change any aspect of this syllabus or the course schedule at any time as the need arises. Students registered for this course assume full responsibility for reading and understanding the course policies as stated above.

The topics are tentative. Updates will be provided.

Week	Date	Quiz	Chapter Covered	Course Topics	Project Milestones
1	September 4th		1	Information Systems in Global Business Today	
2	September 11th		2	Global E-business and Collaboration	
3	September 18th	Ch 1 & 2 Quiz	3	Information Systems, Organization, and Strategy	
4	September 25th		4	Ethical and Social Issues in Information Systems	
5	October 2nd	Ch 3 & 4 Quiz	5	IT Infrastructure and emerging technologies	
6	October 9th	Ch 5 Quiz	6	Foundations of Business Intelligence: Databases and Information Management	Team Selection (3-4 members max.)
7	October 16th	Exam Preparation	7	Telecommunications, the Internet, and Wireless Technology	
8	October 23rd	Mid Term Exam	1 to 6		
9	October 30th		8	Securing Information Systems	Decide on a Topic and Submit a proposal (1 page) about the topic.
10	November 6th	Ch 7 & 8 Quiz	9	Achieving Additional Excellence and Customer Intimacy: Enterprise Applications	
11	November 13th		10	E-commerce: Digital Markets, Digital Goods	
12	November 20th	Ch 9 & 10 Quiz	11	Managing Knowledge and Artificial Intelligence	
	November 27th	No Class (Friday Classes Meet)			
13	December 4th	Ch11 Quiz	12	Enhancing Decision Making	Project Submission/ Presentation
14	December 11th			Exam Preparation	Project Submission/ Presentation
15	December 18th	Final Exam Week	7 to 12		

Weekly distribution of grade points:

Week	Quiz	Mid Term	Final Term	Project	Presentation	Attendance
1						5
2						
3	20					
4						
5	20					
6	10			5		
7						
8		100				
9				20		
10	20					
11						
12	20					
13	10			40	35	
14						
15			100			
Totals	100	100	100	100		5