

# IS 677 Information Systems Principles

Section/CRN 101-93779

## Location/Days

- CBK 330 / Friday Night 6:00 - 8:50 PM

## Professor

- Thomas Licciardello
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- Phone: 973-642-7115
- Office hours by appointment, please email for coordination (virtually gives more options)
- Email is the preferred contact method, please allow 24-48 hours for response, or emergencies, please mark email as such with importance.

## Resources

- Book: Gabriele Piccoli, & Federico Pigni. Information Systems for Managers in the Digital Age Without Cases, Edition 5.0 - <https://www.prospectpressvt.com/textbooks/piccoli-information-systems-for-managers-5-0>
- eTextbooks: ISBN: 978-1-943153-85-5
- Paperbacks: ISBN: 978-1-943153-86-2
- Additional Articles/Links: Provided in Canvas

## Course Summary (Pre-Requisite- no)

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 big data, cloud computing, e-commerce, supply chain, decision support, and enterprise systems.

## 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, authoritativeness and validity, use it to build new knowledge, and communicate that knowledge.

## Course Expectations

- Chapter mini-cases (team break outs each week)
- Midterm exam
- Final exam
- Team Term Project

**Note:** *Students should bring their laptop each week to collaborate digitally on canvas and with their team*

## Grading

- Participation / Attendance = 10%
- Midterm = 25%
- Final = 25%
- Case Studies = 20%
- Group Team(term) Projects = 20%

## Policies

### Academic Integrity

Students are expected to follow the [University Policy on Academic Integrity](#). Any code used from an online resource should be cited in a comment. Any attempts to present other people's code as your own will be viewed as plagiarism. All violations of the Academic Integrity policy will be referred to the Dean of Students for review and possible disciplinary action.

### Canvas

Students should monitor and use canvas for pertinent class information, announcements, weekly module contents, assignments etc...

### Late Assignment Policy

Assignments that are turned in late (after the due date/time) will be subject to penalty as follows 5% after due date, and subject to further % penalty for days/weeks late.... If you are having issues or need additional time due to extreme circumstance, please let me know so we can coordinate.

## Requesting Accommodations

If you are in need of accommodations due to a disability please contact the [Office of Accessibility Resources & Services \(OARS\)](#), Fenster Hall Room 260 to discuss your specific needs. A Letter of Accommodation Eligibility from the OARS authorizing your accommodation will be required.

## Resources for NJIT Students

[NJIT Service for Students](#), including Technical Support.

## Class Etiquette

Students who are the most successful attend and participate in class. If you have questions, please ask them. This makes the class more dynamic and interesting for everyone.

## Proctoring/Exams

NJIT policy requires that all midterm and final exams must be proctored, regardless of delivery mode, in order to increase academic integrity. Note that this does not apply to essays or authentic based assessments. Effective beginning Fall semester 2019, students registered for a fully online course section (e.g., online or Hyflex mode) must be given the option to take their exam in a completely online format, with appropriate proctoring.

Exams will be given in-person using Respondus. Be sure to bring your charged laptop and charger on the day of exams.

Tentative Course Outline – **this is subject to change, and meant just as a guide, please use Canvas weekly modules section for actual week by week activities.**

Also, tests, case studies, and team presentations will be worked into the schedule, along with college closures for holiday/breaks.....

Week	Topics
1	Chapter 1. Information Systems and the Role of General and Functional Managers
2	Chapter 2. Information Systems Defined

3	Chapter 3. Organizational Information Systems and Their Impact
4	Chapter 4. Digital Disruption and the Competitive Environment
5	Chapter 5. Digital Transformation, Innovation, and Entrepreneurship
6	Chapter 6. Strategic Information Systems Planning
7	Chapter 7. Value Creation and Strategic Information Systems
8	Chapter 8. Digital Value Creation
9	Chapter 9. Digital Value Capture
10	Chapter 10. Managing Information Systems
11	Chapter 11. Creating Information Systems in the Digital Age
12	Chapter 12. Information System Trends
13	Chapter 13. Cybersecurity, Privacy, and Ethics
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