

Fall 2023

## IS 265 - 103: Introduction to Information Systems

Arthur Hendela

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# Course Syllabus

## New Jersey Institute of Technology

Course Title: **Introduction to Information Systems**

Course Number:

**IS265 103**

**Class Session:**

**Tue 6:00 PM - 8:50 PM (KUPF 208)**

Instructor: **Dr. Art Hendela**

Prerequisites/Required Background:  
**None**

Course Website: [canvas.njit.edu](http://canvas.njit.edu)

Catalog Information:

<http://catalog.njit.edu/undergraduate/computing-sciences/information-systems/#coursestext>

[Links to an external site.](#)

### **Faculty Information**

Name: Dr. Art Hendela

Office: **3809 GITC**

Office Hours:

Monday: 4:00 PM-4:50 PM (By Appointment Only)

Telephone: **973-596-5841**

Wednesday: 4:00 PM-4:50 PM

Thursday: 11:30 AM-12:30 PM

Email: [ahh2@njit.edu](mailto:ahh2@njit.edu)

**Notes and Articles: in Canvas**

Include Course in Subject: IS265

TA/Grader

Name: Mohith Panchumarthi

Email: [mp985@njit.edu](mailto:mp985@njit.edu)

## Course Description

Information systems is the study of how organizations use information technology. This course is an overview of the information systems discipline, the role of information systems in organizations, and the changing nature of information technology. Computer tools for analysis and presentation are used.

## Text, Readings, and Collaborative Conferencing System

- Belanger, F., and Van Slyke, C., Crossler, R. Information Systems for Business- An Experiential Approach, Prospect Press, 2022, ISBN: 978-1-943153-88-6
- Notes & Articles: *Included in the Canvas Forums*
- **Canvas for assignments-** <http://canvas.njit.edu>
- [Links to an external site.](#)

## 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.

## Work Participation and Attendance

Attendance will be taken for each class meeting and is important for you to gain the most from this course. This course is offered face to face in order for you to gain the most understanding of the material and to be able to ask questions in real-time. For cases where you miss less than 5 classes, attendance will be used to determine the higher or lower of two grades when you are between grade cutoffs such as above 85 but not fully 86. The more classes you attend, the better chance you have of gaining the higher grade.

**Work Participation** is worth 10% of your final grade. Many people, including the course coordinator worked for a long time as a consultant that was home-based. Customers only knew me from the work I handed to them on time. My customers did not accept excuses for late work. In order to better prepare you for the many work places which work on a results basis with flexible hours and attendance policies, I put the weight of this grade into your results, not just

sitting in a seat. That said, if you have a life situation that needs to be taken into account for your performance, please see me. Medical excuses must go through the Dean of Students office.

Any missing homework assignments, HW01-HW08, and discussion forums, DF01-DF12, go against your work participation grade. Missed homework assignments and discussion forums not only get a zero for the assignment but also a lowering of your work participation grade. This is also true for assignments that score a zero for any other reason. This is how I calculate your participation grade:

*(Number of assignments attempted with grade above 0) / Number of total assignments \* 10)*

With this formula, the proportion of the work you attempt is considered your participation. Do not miss assignments. They must be on time or no credit is given.

### **Late Project Policy**

All projects and assignments must be turned in on time, or no credit is given.

### **Extra Credit Policy**

There is no extra credit assignments given. You do the assigned work at the time it is given and enter for a grade on time. If you are late, then no credit is given.

### **Make Up Policy**

There are no make ups for missed assignments or exams. The grade is entered as Zero.

### **Absence Policy**

You are expected to attend every class if you will not attend a class you should notify me that you will not be attending. **MISSING 4 OR MORE CLASSES WILL LOWER YOUR FINAL GRADE BY ONE LETTER GRADE. YOU MUST SIGN YOURSELF IN ON THE ATTENDANCE SHEET TO BE COUNTED. IT IS YOUR RESPONSIBILITY TO MAKE SURE YOU ARE SIGNED IN. SIGNING SOMEONE ELSE IN IS COUNTED AS CHEATING. SEE ACADEMIC INTEGRITY POLICY FOR PENALTY.**

Medical Excuses need to be reported to the Dean of Students and they will decide if it is to be excused or not.

### **Academic Integrity Policy**

*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>*

[Links to an external site.](#)

*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](mailto:dos@njit.edu)***

My expectation is that each person will complete original work for this course and will not copy from fellow students or tutorials online. It is OK to refer to tutorials online; however, you will be considered in violation of the NJIT honor code by submitting work found online. Any violations of the honor code will be referred to the Dean of Students for investigation and possible disciplinary action.

Every assignment/project is a 'home-mini-exam.' The NJIT Honor Code will be strictly upheld. Students found cheating/collaborating/plagiarizing will be immediately referred to the Dean of Students and the NJIT Committee on Professional Conduct and subject to possible Disciplinary Probation, a permanent marking on the record, possible dismissal and a grade of 'F' in the course. All submitted assignments are carefully checked for similarities, and plagiarism and guilty students will be identified and referred to the Dean of Students for disciplinary action.

Use of file sharing sites such as CourseHero.com is strictly forbidden. Students either posting or using these sites will be referred to the Dean of Students for disciplinary action and/or copyright infringement prosecution. All Homework and Semester project submissions will be checked electronically for plagiarism using TURNITIN. The TURNITIN results will be evaluated and manual checks will also be used.

DO NOT share your laptops or any of your files from this semester or from anyone that has taken this course before. If your machine breaks, use the ones on campus in the PC Mall.

***This is your only warning.*** Cheating is not worth it - you may not only fail this course, but also be suspended or expelled from NJIT. THE INSTRUCTOR RESERVES THE RIGHT TO REQUIRE REMOTE EXAM PROCTORING SOFTWARE SUCH AS RESPONDUS.

For more information about the NJIT honor code, you should refer to this document:

<http://www.njit.edu/doss/code-student-conduct-article-11-university-policy-academic-integrity/>

[Links to an external site.](#)

## **General Policy**

Assignments and exams are to be completed **with assignments uploaded to Canvas** by the due dates. You must have a very good reason for requesting an extension—email your request to the instructor well before the due date.

## **Course Outcomes and Student Outcomes**

- *Course outcome 1:* The student 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. (Assignment HW6) –System/Abstract Thinking

- *Course outcome 2:* The student will be able to explain how enterprise-wide information systems support business activities and enable a comprehensive understanding of company data. (ties to program outcome G) (Assignment HW7) - ERP
- *Course outcome 3:* The student will be able to discuss the ethical concerns associated with information privacy, accuracy, intellectual property rights, and accessibility. (Assignment HW8) - Ethics

### **Student outcomes versus course outcomes.**

#### **Student Outcomes**

#### **Addressed by**

SO 1 Analyze a complex computing problem and to apply principles of computing and other relevant disciplines to identify solutions

(CO2-HW7)

SO 2 Design, implement, and evaluate a computing-based solution to meet a given set of computing requirements in the context of the program's discipline

SO 3 Communicate effectively in a variety of professional contexts

SO 4 Recognize professional responsibilities and make informed judgments in computing practice based on legal and ethical principles

(CO3-HW8)

SO 5 Function effectively as a member or leader of a team engaged in activities appropriate to the program's discipline

SO 6 Support the delivery, use, and management of information systems within an information systems environment

(CO1-HW6)

#### **Grading components**

Homework 10%

Discussion Forums 15%

Team Project 25%

Work Participation 10%

Midterm Quiz	20%
Last Quiz	20%

### **Team Project**

Groups will be determined during week 2 of the term.

See Outline for Team Project in Canvas

### **Grade Cutoffs**

A: 90 - 100

B+: 86 - 89

B: 80 - 85

C+: 76-79

C: 70 - 75

D: 65 - 69

F: Below 65

### **Class Communication Space/Learning Management System**

We will be using Canvas, an open source Learning Management System at NJIT, for the posting of projects and class resources and other class announcements are postings. Students having questions on projects, etc., may contact Dr. Hendela directly at [ahh2@njit.edu](mailto:ahh2@njit.edu) or, if the answer would benefit the class, post the question in the appropriate forum within Canvas. Students are obligated to log into Canvas on a near-daily basis, and to keep current. **DO NOT USE THE CANVAS MESSAGE FEATURE.** It does not give your name or class section. I cannot respond to these messages. Email me instead.

<b>WEEK</b>	<b>TOPICS</b>	<b>BOOK READINGS</b>	<b>HOMEWORK</b>
1	<b>Welcome &amp; Intro</b> <b>The Value of Information</b>	<b>Chapter 1</b>	<b>Discussion Forum 01</b> <b>Homework HW01</b>
2	<b>Introduction to Information Systems</b>	<b>Chapter 2</b>	<b>Discussion Forum 02</b>
3	<b>Evaluating Information</b>	<b>Chapter 3</b>	<b>Discussion Forum 03</b> <b>Homework HW02</b>

4	<b>Gaining Strategic Value from Information</b>	<b>Chapter 4</b>	<b>Discussion Forum 04</b>
5	<b>Storing and Organizing Information</b>	<b>Chapter 5</b>	<b>Discussion Forum 05 Homework HW03</b>
6	<b>Analyzing Information for Business Decision Making</b>	<b>Chapter 6</b>	<b>Discussion Forum 06 Homework HW04</b>
7	<b>Transmitting Information</b>	<b>Chapter 7</b>	<b>Discussion Forum 07 MIDTERM EXAM *</b>
8	<b>Securing Information</b>	<b>Chapter 8</b>	<b>Discussion Forum 08 Homework HW05</b>
9	<b>Protecting the Confidentiality and Privacy of Information</b>	<b>Chapter 9</b>	<b>Discussion Forum 09 Homework HW06</b>
10	<b>Developing Information Systems</b>	<b>Chapter 10</b>	<b>Discussion Forum 10</b>
11	<b>Information Based Business Processes</b>	<b>Chapter 11</b>	<b>Discussion Forum 11 Homework HW07</b>
12	<b>Enterprise Information Systems</b>	<b>Chapter 12</b>	<b>Discussion Forum 12</b>
13	<b>Information for Electronic Business</b>	<b>Chapter 13</b>	<b>Homework HW08</b>
14	<b>Information and Knowledge for Business Decision Making</b>	<b>Chapter 14</b>	
15			<b>FINAL EXAM *</b>
16	<b>Grades due at Registrar</b>		

**\* NOTE: QUIZ TIMING AND LOCATION SUBJECT TO CHANGE AT PROFESSOR'S SOLE DISCRETION. THIS INCLUDES CHANGING THE EXAM FROM ONLINE TO IN-PERSON. ONLINE EXAMS WILL REQUIRE THE RESPONDUS LOCK DOWN BROWSER AND WEB CAM.**

## **Course Summary:**



<b>Date</b>	<b>Details</b>	<b>Due</b>
Sun Sep 10, 2023	Discussion Topic <a href="#">DF01. Lisa Genova - What can you do to prevent Alzheimer's</a>	due by 6pm
	Discussion Topic <a href="#">DF02. Arman Eshraghi - Fintech and the future of finance</a>	due by 6pm
Tue Sep 12, 2023	Assignment <a href="#">HW01. Homework 1 - 2 page word doc - Answer #2.A3 on Page 13</a>	due by 11:59pm
Sun Sep 17, 2023	Discussion Topic <a href="#">DF03. Warren Valdmanis - What Makes a Job "Good" -- and the Case for Investing in People</a>	due by 6pm
Sun Sep 24, 2023	Discussion Topic <a href="#">DF04. Martin Reeves - Your strategy needs a strategy</a>	due by 6pm
Tue Sep 26, 2023	Assignment <a href="#">HW02. Homework 2 - page 34 number 2.A6</a>	due by 11:59pm
Sun Oct 1, 2023	Discussion Topic <a href="#">DF05. Dina Zielinski - How we can store digital data in DNA</a>	due by 6pm
Sun Oct 8, 2023	Discussion Topic <a href="#">DF06. Matthew Confer - Before You Decide: 3 Steps To Better Decision Making</a>	due by 6pm
Tue Oct 10, 2023	Assignment <a href="#">HW03. Homework - Chapter 4 - use your team companies and do a SWOT analysis</a>	due by 11:59pm
Sun Oct 15, 2023	Discussion Topic <a href="#">DF07. Enter your group's status here. One posting per group</a>	due by 6pm
Tue Oct 17, 2023	Assignment <a href="#">HW04. Homework page 103 number 5.A5</a>	due by 11:59pm
Sun Oct 22, 2023	Discussion Topic <a href="#">DF08. Mikko Hypponen (F-Secure) on Internet of Insecure Things</a>	due by 6pm
Tue Oct 24, 2023	Quiz <a href="#">IS265 2023 Fall Midterm Quiz -Chapters 1 - 7- Requires Respondus LockDown Browser + Webcam</a>	due by 8:50pm
Thu Oct 26, 2023	Assignment <a href="#">HW05. Homework page 126 number 6.A2</a>	due by 11:59pm
Sun Oct 29, 2023	Discussion Topic <a href="#">DF09. Aishwarya Rambhatla - Who's Watching Us? Why Privacy Matters</a>	due by 6pm
Wed Nov 1, 2023	Assignment <a href="#">Final Project Assignment</a>	due by 11:59pm

Date	Details	Due
Sun Nov 5, 2023	Discussion Topic <a href="#">DF10. Liam Martin - Pros and Cons of Outsourcing - Should You Outsource or Not? Here are my 5 Pros and Cons...</a>	due by 6pm
Tue Nov 7, 2023	Assignment <a href="#">HW06. Assignment J - Management and Delivery</a>	due by 11:59pm
Sun Nov 12, 2023	Discussion Topic <a href="#">DF11. Tom Wujec - Got a wicked problem? First tell me how you make toast</a>	due by 6pm
Sun Nov 26, 2023	Discussion Topic <a href="#">DF12. Technology Advancement Predictions</a>	due by 6pm
Tue Nov 28, 2023	Assignment <a href="#">HW07. Assignment G - Issues</a>	due by 11:59pm
Tue Dec 5, 2023	Assignment <a href="#">HW08. Assignment E - Ethics</a>	due by 11:59pm
Fri Dec 8, 2023	Assignment <a href="#">Work Participation</a>	due by 11:59pm
Tue Dec 12, 2023	Quiz <a href="#">IS265 2023 Fall Last Quiz - Chapters 8 - 14 - Requires Respondus LockDown Browser + Webcam</a>	due by 8:50pm