

Spring 2020

IS 265-002: Introduction to Information Systems

Art Hendela

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Hendela, Art, "IS 265-002: Introduction to Information Systems" (2020). *Informatics Syllabi*. 183.
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Course Title: Introduction to Information Systems

Course Number:

IS265 002

Class Session: ECEC 115

Tuesdays, 10:00 AM - 12:50 PM

Course Website: canvas.njit.edu

Catalog Information: <http://catalog.njit.edu/undergraduate/computing-sciences/information-systems/#coursestext> (Links to an external site.)

Faculty Information

Art Hendela

Office Hours:

Monday: 4PM-5PM (By Appoint Only)

Tuesday: 9:00 AM – 9:45 AM

Wednesday: 11:30 AM – 12:30 PM

Email: ahh2@njit.edu

Include Course in Subject: IS265

Instructor: Dr. Art Hendela

Prerequisites/Required Background: None

Office: GITC 5108

Telephone: Please Email

Notes and Articles: in Canvas

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, 2020, ISBN: 978-194-315-373-2 .
- 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 how I calculate your participation grade:

*(Number of assignments attempted / 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

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.

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

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

Addressed by

(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 exam	20%
Final exam	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 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.

WEEK	TOPICS	BOOK READINGS	HOMEWORK
1	Welcome & Intro	Chapter 1	Discussion Forum 01
	The Value of Information		Homework HW01
2	Introduction to Information Systems	Chapter 2	Discussion Forum 02
			Discussion Forum 03
3	Evaluating Information	Chapter 3	Homework HW02
4	Gaining Strategic Value from Information	Chapter 4	Discussion Forum 04
5	Storing and Organizing Information	Chapter 5	Discussion Forum 05

6	Analyzing Information for Business Decision Making	Chapter 6	Homework HW03 Discussion Forum 06
7	Transmitting Information	Chapter 7	Homework HW04 Discussion Forum 07
8	Securing Information	Chapter 8	MIDTERM EXAM * Discussion Forum 08
9	Protecting the Confidentiality and Privacy of Information	Chapter 9	Homework HW05 Discussion Forum 09
10	Developing Information Systems	Chapter 10	Homework HW06 Discussion Forum 10 Discussion Forum 11
11	Information Based Business Processes	Chapter 11	Homework HW07 Discussion Forum 12
12	Enterprise Information Systems	Chapter 12	Homework HW08
13	Information for Electronic Business	Chapter 13	
14	Information and Knowledge for Business Decision Making	Chapter 14	
15			FINAL EXAM *
16	Grades due at Registrar		

*** NOTE: EXAM 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:

Date	Details	
Sat Jan 25, 2020	DF01. Lisa Genova - What can you do to prevent Alzheimer's	due by 6:30pm
	Assignment (1 student)	

Date	Details	
Assignment	DF01. Lisa Genova - What can you do to prevent Alzheimer's	due by 6:30pm
Assignment	DF02. Phil Tetlow - 8 steps to understanding information (and maybe the Universe) (1 student)	due by 6:30pm
Tue Jan 28, 2020	Assignment DF02. Phil Tetlow - 8 steps to understanding information (and maybe the Universe)	due by 8:30am
Thu Jan 30, 2020	Assignment HW01. Homework 1 - 2 page word doc - Answer #2.A3 on Page 13	due by 6pm
Tue Feb 4, 2020	Assignment DF03. Fortune top 100 ceo's to work for - which and why?	due by 8:30am
Tue Feb 11, 2020	Assignment DF04. Martin Reeves - Your strategy needs a strategy	due by 8:30am
Assignment	HW02. Homework 2 - page 34 number 2.A6	due by 1:55pm
Wed Feb 12, 2020	Assignment HW01. Homework 1 - 2 page word doc - Answer #2.A3 on Page 13 (1 student)	due by 11:59pm
Assignment	HW02. Homework 2 - page 34 number 2.A6 (1 student)	due by 11:59pm
Tue Feb 18, 2020	Assignment DF05. Dina Zielinski - How we can store digital data in DNA	due by 8:30am
Sun Feb 23, 2020	Assignment DF03. Fortune top 100 ceo's to work for - which and why? (1 student)	due by 11:59pm
Assignment	DF01. Lisa Genova - What can you do to prevent Alzheimer's (1 student)	due by 11:59pm

Date	Details	due by
Tue Feb 25, 2020	Assignment DF02. Phil Tetlow - 8 steps to understanding information (and maybe the Universe) (1 student)	11:59pm
Tue Feb 25, 2020	Assignment DF06. Tom Griffins - 3 Ways to Make Better Decisions - by Thinking Like a Computer	8:30am
Tue Feb 25, 2020	Assignment HW03. Homework - Chapter 4 - use your team companies and do a SWOT analysis	4:30pm
Tue Mar 3, 2020	Assignment DF07. Enter your group's status here. One posting per group	8:30am
Tue Mar 10, 2020	Assignment Midterm Exam - Mar 10 - Requires Respondus LockDown Browser + Webcam	12:50pm
Thu Mar 12, 2020	Assignment DF08. Mikko Hypponen (F-Secure) on Internet of Insecure Things	8:30am
Thu Mar 12, 2020	Assignment HW04. Homework page 103 number 5.A5 (1 student)	1:55pm
Thu Mar 12, 2020	Assignment HW04. Homework page 103 number 5.A5	1:55pm
Tue Mar 24, 2020	Assignment DF09. Madhumita Murgia - How data brokers sell your identity	8:30am
Tue Mar 24, 2020	Assignment HW05. Homework page 126 number 6.A2	1:55pm
Tue Mar 31, 2020	Assignment DF10. Liam Martin - Pros and Cons of Outsourcing - Should You Outsource or Not? Here are my 5 Pros and Cons...	8:30am
Tue Apr 7, 2020	Assignment DF11. Tom Wujec - Got a wicked problem? First tell me how you make toast	8:30am
Tue Apr 7, 2020	Assignment HW06. Assignment J - Management and Delivery	1:55pm
Tue Apr 14, 2020	Assignment DF12. Technology Advancement Predictions	8:30am

Date	Details
	Assignment Final Project Assignment - Due April 14 @ 4:30 PM due by 4:30pm
Sat Apr 18, 2020	Assignment HW06. Assignment J - Management and Delivery due by 1:55pm (1 student)
Tue Apr 21, 2020	Assignment HW07. Assignment G - Issues due by 1:55pm
Tue Apr 28, 2020	Assignment HW08. Assignment E - Ethics due by 1:55pm
Mon May 4, 2020	Assignment Work Participation due by 11:59pm
Wed May 13, 2020	Assignment Final Exam May 13, 8:30 AM - 11:00 AM, ONLINE - Requires Respondus LockDown Browser + Webcam due by 11am
	Assignment DF03. Fortune top 100 ceo's to work for - which and why? (1 student)