

Spring 2020

IT 101-106: Introduction to Information Technology

Mark Nazzaro

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IT 101 Introduction to Information Technology Spring 2020

Course Description: (From the course catalog)

The foundations of information technology (IT), including basic computer architecture, various kinds of computer hardware, and networking technology, are introduced. Various data representation schemes, such as the binary number systems, are covered. Different levels of software are examined, including aspects of the operating systems from the perspective of the IT professional. The software development process is discussed. Database management software and SQL are dealt with, as are applications and languages developed around the internet and Web infrastructure. Overall, fundamental knowledge required of today's IT professional is obtained along with an appreciation of IT's impact on business and society. Hands-on experience with some important elements of the IT field is gained through various laboratory assignments.

Pre-requisites: None

Instructor	Mark Nazzaro
Office	GITC 2400
Phone	(201) 926-8012
Email	nazzaro@njit.edu
Office Hours	Before or after class/by appointment/by email
Text	USING INFORMATION TECHNOLOGY, 11th edition, Brian Williams & Stacey Sawyer, McGraw Hill, 2015, ISBN-978-0-07-351688-2. Note this is the "Complete" version and contains 10 chapters
Moodle	Additional material and resources will be found on the class website on Moodle, (http://moodle.njit.edu). It will be modified and updated as the course progresses and will contain the most recent information.

Tentative Schedule

The schedule below is subject to change. I will update Moodle with the reading and assignments.

Week	Topics	Reading Due (before class)
1	Introduction to IT	
2	Internet and WWW	Chapters 1,2
3	Software	3
4	Hardware	4
5	Hardware (continued)	5
6	Networks Personal Technology	6, 7
7	Mid-Term	Study
8	Scripting AFS Programming Languages	Chapter 10.3-10.6
9	Databases	Chapter 8.1-8.4
10	Artificial Intelligence	Chapter 8.5-8.7
11	Presentations	Project due
12	Security and Privacy	Chapter 9
13	TBD	
14	TBD	
	Final Exam	Study

Grades

Midterm	30%	300 points
Final	30%	300 points
Homework (5 assignments)	25%	250 points
Project & Presentation	15%	150 points

There is a total of 1000 possible points for the term. Grades are based solely on the points you earn.

A	900 -1000 points
B+	850 – 899 points
B	800 – 849 points
C+	750 – 799 points
C	700 – 749 points
D	600 – 699 points
F	0 - 599 points

Assignments and Projects

Homework is due before midnight (11:55pm) on the due date specified on the schedule. It will be submitted via Moodle electronically. Late homework will not be accepted unless there is a reason beyond your control. In most cases I will grade homework online and return the results back to you electronically via Moodle. Quizzes and Exams not taken on the assigned day must be arranged in advance and you must have a valid excuse.

The project has yet to be determined. It will most likely consist of a paper and presentation to the class. I will give ample notice to prepare for the project once it has been determined.

Attendance and Participation

This class will only meet one night a week so attendance is strongly encouraged. Participation is also encouraged since this allows me to understand whether the material is making sense. Please silence all electronic devices during class. Use of laptops is permitted only for taking notes.

Attendance and participation will be taken into consideration during the grading process. If a student is on the cusp between grades, strong attendance and participation will help raise a student's grade.

Academic Integrity Policy

The NJIT academic honor code is located at: <http://integrity.njit.edu/index.html>. This honor code applies in its entirety to this class. Violations will not be tolerated. In addition, students should familiarize themselves with NJIT's "[Best Practices related to Academic Integrity](#)" which is developed and published on the Provost's website (on the policies page).

All of your assignments must constitute original work. These assignments may **NOT** be done in collaboration with anyone else (unless otherwise approved). No credit will be given for any assignment that is copied—in part or in its entirety—from another person. **Both people involved will receive no credit.**

Note, however, that you may "talk" about assignments with each other, but such discussions must remain at a conceptual level. In summary, keep in mind:

- Do NOT ask to see another person's assignment, particularly a finished assignment.
- Do NOT pass your assignment around to other members of the class.
- Do NOT submit duplicate assignments. Even partially duplicate assignments will NOT be accepted.
- If the instructor is at all **uncomfortable about the originality of your work**, no credit will be given.
- Do NOT submit an assignment used for previous assignments in this or other courses.

TURNITIN Policy

NJIT uses Turnitin.com, a service that helps prevent plagiarism on student papers. I will be using the Turnitin.com service at my discretion to determine the originality of student papers. If I submit your paper to Turnitin.com, it will be stored by Turnitin.com in their database as long as their service remains in existence. If you object to this storage of your paper, **you must let me know no later than two weeks after the start of this class.** If you object to the storage of your paper on Turnitin.com, I will utilize other services and techniques to check your work for plagiarism.