

Fall 2020

## CS 104-101: Computer Programming and Graphics Problems

Digant Joshi

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# CS 104-101: Computer Programming and Graphics Problems

## Syllabus

### WebEx Details for Attending Class:

CS 104-101: Computer Programming and Graphics Problems

Hosted by Digant Joshi

Tuesday, Sep 1, 2020 6:00 pm | 3 hours | (UTC-04:00) Eastern Time (US & Canada)

Occurs every Tuesday effective 9/1/2020 until 12/15/2020 from 6:00 PM to 9:00 PM, (UTC-04:00) Eastern Time (US & Canada)

Meeting number: 120 191 1888

<https://njit.webex.com/njit/j.php?MTID=m80d9acdc1eafada2e67b219fc96a2206>

Join by video system

Dial 1201911888@njit.webex.com

You can also dial 173.243.2.68 and enter your meeting number.

Join by phone

1-650-479-3207 Call-in toll number (US/Canada)

Access code: 120 191 1888

### Instructor Info

Instructor: Digant Joshi

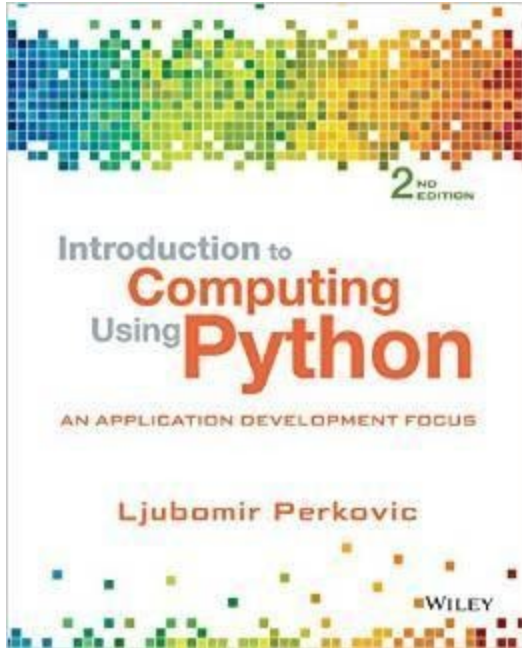
Office Phone: [djoshi@njit.edu](mailto:djoshi@njit.edu)

### Course Description

An introductory course in computer science, with applications to business and managerial decision making. Topics include basic concepts of computer systems, software engineering,

algorithm design, programming languages and abstraction, with applications. The Python programming language will be used to illustrate concepts and techniques.

## Textbooks



Introduction to Computing Using Python  
Ljubomir Perkovic  
ISBN: 0470618469

## Grading Scheme

Midterm	30%
Final	30%
Homework	15%
Lab	15%
Attendance	5%
Miscellaneous	5%

## Topics

- Introduction to python
- Variables, expressions, & statements
- Functions
- Conditionals & recursion
- Value returning functions
- Iteration
- String processing
- Lists, dictionaries, & tuples
- Files, input & output

## **Attendance Policy**

Attendance in every lecture is mandatory. If a student is absent from lecture five times (the first day counts), the student's name will be recommended for withdrawal to the Dean of Freshman Studies. Two lates is equivalent to one absence. Make sure that you fully understand this attendance policy.

## **Cheating Policy**

Cheating on a programming assignment results in zero credit for all students involved. Programming assignments may **NOT** be solved in collaboration, unless specifically stated in the assignment. Cheating on an exam will result in an "F" in the course.

You may discuss problems with each other. Where does discussion end and cheating start? You may **NOT** copy lines of code from anybody or anywhere. You may **NOT** use code in your assignments that you did not write. As a general rule: If you don't understand the code and can't explain the code, you can't use the code.

Please familiarize yourself with the NJIT Honor Code. Violations of the honor code will be dealt with seriously and reported immediately to the Dean of Students.

## **Late Policy**

To receive full credit all programming assignments must be handed in on time. Assignments that are not submitted on time will be penalized for each day that they are late. The type and severity of the penalty will be determined by the assignment. In general, a deduction of 10 points (out of 100) for the first day, 20 additional points for the second day, 30 additional points for the third day, and 40 additional points for the fourth day late will be subtracted from the final grade of the assignment.

## **Exams Using ProctorU:**

In this course you will be required to use the following proctoring method to ensure academic integrity for exams. Please see NJIT's response to questions about online proctoring here (Links to an external site.). See below for more information about how exams will be proctored in this course.

### **ProctorU Review+ (Auto)**

ProctorU Review+ uses an automated proctoring solution via AI during the exam, followed by a full review from a ProctorU proctor. Similar to Respondus Monitor, you will be recorded during the exam. After completing their review, a proctor sends an incident report to the instructor if any potential academic integrity violations occur. You will access your exam by installing the ProctorU browser extension in either Chrome or Firefox. After logging into the browser, you can access your exam and proceed to the ProctorU startup sequences. [Instructions are available for students](#)

Students will need to make a test-taker account at [proctoru.com](https://proctoru.com) (Links to an external site.).

In order to use this ProctorU service, you will need the following:

- High-speed internet connection
- Webcam (internal or external)
- Microphone and Audio (internal or external)
- Windows or Apple Operating System
- NJIT ID or Photo-Issued ID

After making your ProctorU account, download the browser extension for either Chrome (Links to an external site.) or Firefox (Links to an external site.) and log into your account via the browser extension. After logging into the browser, you can access your exam in your course and proceed to the ProctorU startup sequences. As long as you are logged into the browser with your ProctorU account, you will not need an exam password or access code; the browser extension will automatically enter that information to open the exam for you.

Important: ProctorU recommends that you visit <https://test-it-out.proctoru.com/> (Links to an external site.) to test your equipment prior to your proctoring session. We recommend you click on the button that says "Connect to a Live Person" to fully test out your equipment.

Important Notice for OSX Users: You will need to enable screen sharing in your browser (Links to an external site.) prior to taking the exam.

If you encounter technical difficulties with your exam, you should contact ProctorU's 24/7 technical support via Live Chat (Links to an external site.) or call 855-772-8678.

[More Information and Tips on Ensuring a Smooth Experience](#)