

Introduction to Computer Programming CSCI-UA.2

Spring, 2020, NYU Department of Computer Science

Topics

- Introduction to Programming Languages
- Python Basics
- Working with variables and operations
- Control Structures
- Repetition Structures
- Working with Text
- Functions and Modules
- Lists
- File Input & Output
- Dictionaries
- Introduction to Object Oriented Programming
- Additional topics, such as graphics, may be covered at the instructor's discretion and time-permitting.

Tutoring

Asynchronous Tutoring

March 31st, 2020: We are happy to be offering a new tutoring service which is designed to let students ask questions and get responses using an online forum. Questions asked in this way will not be answered immediately, but response time should be fairly quick.

To do this we will be using an online discussion tool named "Ed" which is designed to make it easy to have conversations around code. Using Ed you will be able to ask the course tutors or your fellow students questions about course content and homework assignments. For example, let's say you're having trouble understanding how to convert user input from a String to an Integer. You can create a new thread on our Ed discussion forum with your question - including a live code snippet - and members of the class can respond and provide helpful hints to get you started.

This is a completely optional service designed to supplement live 1:1 tutoring. However, we encourage you to use the system since we find that we answer the same questions over and over via e-mail -- this will allow us to centralize answers to questions that can benefit all students in the class.

To join this Ed discussion forum simply visit this link and register with your NYU E-mail address: <https://us.edstem.org/join/PfaFWH>

Once you've registered please check out the "Welcome and Frequently Asked Questions" thread - we've posted some "ground rules" here on what should and should not be posted to Ed (i.e. don't post full solutions to your homework assignments!)

When you're ready to ask a question simply click the "New Thread" button and select the category for your question (i.e. Assignment #2, Module #3, etc). Then type your question in the box provided, using the "code" button ("<>") to add in live Python3 code to your thread.

Drop-in Tutoring

Beginning Wednesday, March 11, 2020, drop-in tutoring will take place virtually as a result of NYU's response to COVID-19 (coronavirus).

All drop-in tutoring will take place using Zoom until at least March 27. As always, there is no appointment necessary to use drop-in tutoring, and you may visit any tutor you wish -- you are not restricted to the tutors assigned to your course.

Tutors available for drop-in tutoring today, and their Zoom meeting links, are listed below. Before clicking through to a tutor's Zoom room, make sure that they are available during your desired time. Scroll down for a full calendar view.

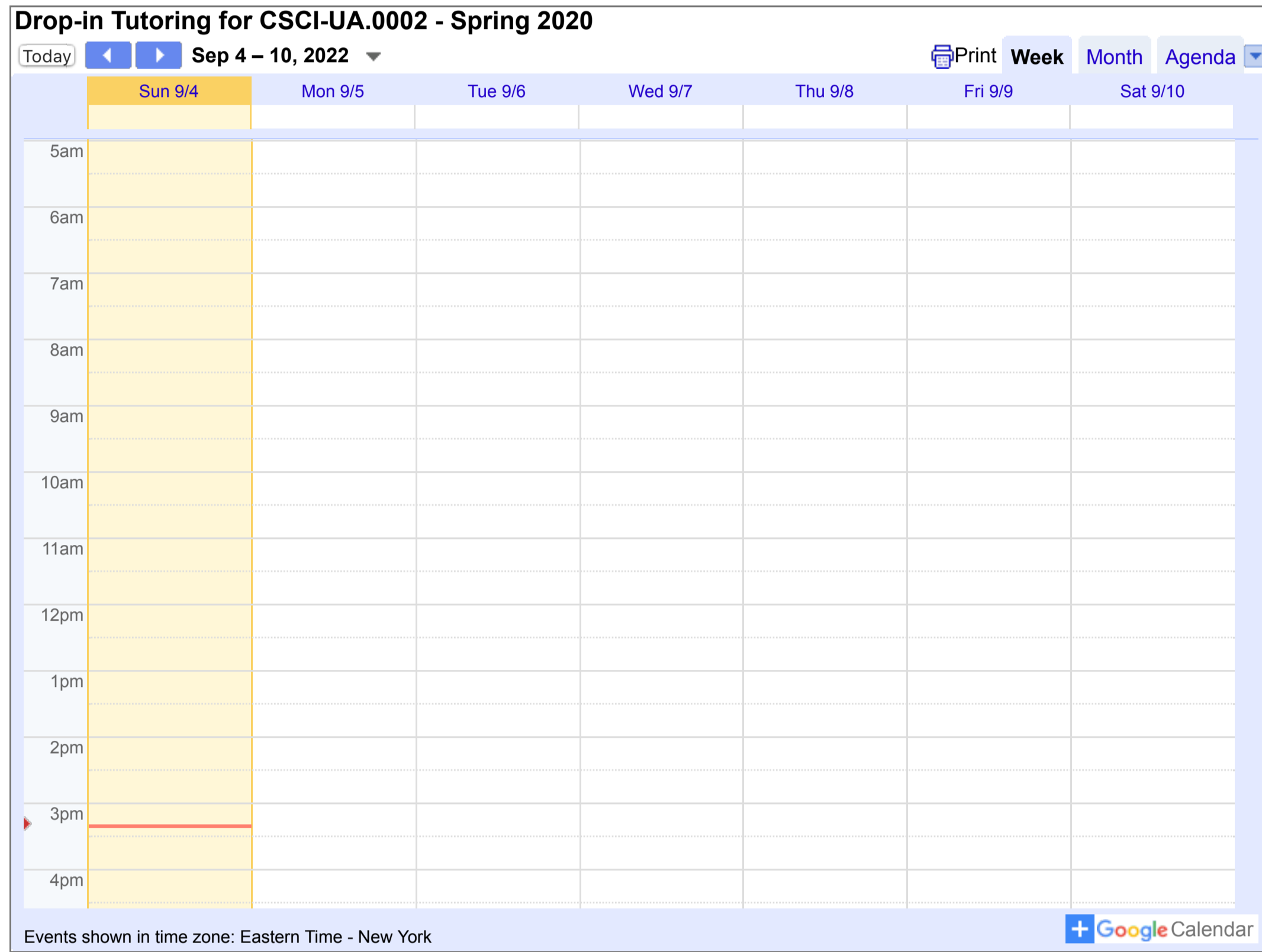
Please note: You may need to refresh your page to get the most current hours and wait times. Please use the link for the currently available tutor(s) with the shortest wait times.

For more instructions on how to install Zoom and virtual drop-in tutoring procedures, please [click here](#). Need help? [Email the tutoring lab coordinator](#).

Course Tutoring: CSCI-UA.0002 Spring 2020 : Virtual Tutoring Availability			
Today's Date:	9/4/2022	(All times in Eastern Daylight Time)	
Tutor Name	Time(s) Available	Meeting URL (Click to join)	Current Wait Time
#N/A			

Please note: If your Google calendar settings are set for a different time zone then the schedule below will appear to be off. Please check your time zone settings to ensure that they are set to Eastern Standard Time.

If you encounter any tutoring issues (i.e. a tutor does not show up for a scheduled shift) please let us know by filling out the "Report a Tutoring Issue" form.



In-class Tutoring: Section Assignments

Course #	Class #	Name	Instructor	Days	Time	Room	In-class Tutors
CSCI-UA.0002-001	7667	Intro To Computer Programming	Dakota Hernandez	MW	3:30PM - 4:45PM	CIWW 201	Ashley Karan*
CSCI-UA.0002-002	9501	Intro To Computer Programming	Craig Kapp	MW	9:30AM - 10:45AM	CIWW 109	Juraj Neel* Ashley Emma Ali
CSCI-UA.0002-003	7668	Intro To Computer Programming	Adam Meyers	TR	8:00AM - 9:15AM	60 Fifth Ave C10	Li Eelis* Mohith*
CSCI-UA.0002-004	7669	Intro To Computer Programming	Craig Kapp	T	5:00PM - 7:30PM	60 Fifth Ave C10	Pranav Heyan
CSCI-UA.0002-005	7670	Intro To Computer Programming	Shaheer Mohammed Haroon	TR	9:30AM - 10:45AM	CIWW 317	Katherine Pranav
CSCI-UA.0002-006	8811	Intro To Computer Programming	David Gochfeld	MW	9:30AM - 10:45AM	60 Fifth Ave C10	Karan* Heyan
CSCI-UA.0002-007	-	Intro To Computer Programming	CANCELLED	-	-	-	-
CSCI-UA.0002-008	9502	Intro To Computer Programming	Adam Meyers	MW	8:00AM - 9:15AM	60 Fifth Ave C10	Eelis* Karan*
CSCI-UA.0002-009	9100	Intro To Computer Programming	Michell Cardona	TR	8:00AM - 9:15AM	CIWW 101	Ali Pranav
CSCI-UA.0002-010	10063	Intro To Computer Programming	Saadia Lgarch	TR	3:30PM - 4:45PM	CIWW 512	Abha* Neel*
CSCI-UA.0002-011	20030	Intro To Computer Programming	Na'im Tyson	W	6:20PM - 8:50PM	60 Fifth Ave C12	Li Ashley
CSCI-UA.0002-012	24536	Intro To Computer Programming	Deena Engel	MW	2:00PM - 3:15PM	CIWW 101	Li Ashley Emma Karan*
CSCI-UA.0002-013	24580	Intro To Computer Programming	Deena Engel	TR	9:30AM - 10:45AM	60 Fifth Ave C10	Abha* Neel* Kainat*

Additional tutoring

The [University Learning Center](#) offers free peer tutoring, Study Slams, group reviews, workshops, and more!

Two locations:

- ULC@Academic Resource Center, 18 Washington Place, Lower Level
- ULC@UHall, 110 East 14th Street, top of stairs by UHall Commons Achieve Excellence!

Books

Reserved copies are available for use in Bobst Library at the Reserves Desk, two floors down from the main lobby

Optional

Starting Out with Python (4th Edition) *
by Tony Gaddis
Paperback: 656 pages
Publisher: Pearson; 4th edition (February 26, 2015)
ISBN-10: 0134444329

* Note: Older editions of this textbook, including the 2nd edition, may be used instead of the most recent edition. Also note that online resources such as MyProgrammingLab are NOT required. You may choose to purchase access to this service if you wish, but please check with your instructor first.

Free online:

[How to Think Like a Computer Scientist: Learning with Python 3](#)
Version date: October 2012
by Peter Wentworth, Jeffrey Elkner, Allen B. Downey, and Chris Meyers

[Python for Everybody: Exploring Data Using Python 3](#)
Version date: 2016
by Charles Severance

Companion Website to accompany Starting Out with Python, Third Edition by Tony Gaddis:

http://wps.pearsoned.com/ecs_gaddis_sowpython_3/

MyProgrammingLab Online Tutorial Site:

<http://www.myprogramminglab.com>
If you wish to use this resource you may purchase it along with the "Starting out with Python" textbook from the NYU bookstore. You can also purchase access to this site directly by visiting www.myprogramminglab.com and registering as a "student" - just follow the prompts and make sure to purchase access for the "Starting out with Python" programming lab.

Software

[repl.it](#): A web-based Python 3 IDE

[ITS On-campus Software Resources](#)

[NYU On-campus Computer Labs](#) and [Available software packages at each computer lab location](#)

[NYU Desktop & Laptop Support](#): If you encounter a systemwide hardware or software failure you can get support from NYU IT (fee-based service)

[NYU Bobst Library Equipment Loaner Program](#)

Grading

If you plan to continue with computer science courses, you must receive a grade of C or better in this course.

Grades are weighted as follows:

- Assignments: 20%
- Weekly Quizzes: 5%
- Midterm #1: 20%
- Midterm #2: 20%
- Final Exam: 35%

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CS Department Links

- [Computer Science Department](#)
- [ACM Chapter](#)
- [WinC \(Women in Computing\)](#)
- [CAS Academic Calendar](#)
- [Computer Science Department's Statement on Academic Integrity](#)
- [Final Exam Schedules](#)