CIS 3260 Introduction to Programming - Online
(Fall 2023)
Course Syllabus

Instructor:	**Dr. Yuan Long**
Office Hours:	Wednesday 1:30 am to 3:00 pm or by appointment **In case you are not able stop by my office, please attend my virtual meeting at** https://us06web.zoom.us/j/5066705770 Passcode: 123456
Email:	ylong4@gsu.edu
Office Phone:	404-413-7385
Office:	Room 1732, 55 Park Place
Teaching Assistants:	Rishabh Deepak Jain rjain9@student.gsu.edu Purvi Bharani pbharani1@student.gsu.edu Akshay Babu alokeshbabu1@student.gsu.edu Rakesh Karanam rkaranam1@student.gsu.edu Sandeep Date sdate1@student.gsu.edu Chitharanjan Chippalapalli cchipalapalli1@student.gsu.edu

Class Meeting Time and Location:
Tuesday 7:15 pm to 9:45 pm @ Zoom

Zoom link: https://us06web.zoom.us/j/5066705770
Passcode: 123456

How to be successful in class!
Virtual Q&A Center schedule (offered by department):
TBA

Virtual Q&A Center schedule (offered by our TA team, see detailed schedule at iCollege):
Monday 9:30 am to 11:00 am @ WebEx
Meeting Link: https://gsumeetings.webex.com/meet/rkaranam1

I highly recommend students to attend either one every week. The Q&A session will enhance your programing skills and help you understand course contents. However, your attendance will not affect your grades.

Course Text and Materials:

- Y. Daniel Liang, "Introduction to Python Programming and Data Structures 3e"
  ISBN-10: 0137621361 ISBN-13: 978-0137621361

- Lecture Notes, Handouts, and/or Supplemental Materials-posted by Instructor.

Other useful textbooks:

- Allen B. Downey, “Think Python”
  ISBN-13: 978-1449330729 ISBN-10: 144933072X
  Free version available at https://greenteapress.com/thinkpython2/html/index.html

- Mark Lutz, “Learning Python”
  ISBN-13: 978-1449355739 ISBN-10: 1449355730

Learning platform:

- Coding Rooms & You are encouraged to bring a laptop to class in each session

Important GSU Deadlines:

Oct. 10, 2023 is the full semester Midpoint (the last day to withdraw and possibly receive a "W" for full semester classes).

Prerequisite:

CIS 2010 with grade of C or higher. **IF YOU DO NOT HAVE THE PREREQUISITES (OR ITS EQUIVALENT FROM ANOTHER INSTITION) ON YOUR TRANSCRIPT, WITHDRAW FROM THIS COURSE NOW.**

Course Objectives

Upon completion of the course, each student will be able to:

1) Create, debug, execute, and test well-designed and readable Python applications using the elements of the Python language.
2) Apply OOP concepts (i.e., encapsulation, inheritance, and polymorphism) to implement Python classes.
3) Note: I have additional class by class objectives that will clarify exactly what I want you to accomplish. They also are critical in designing my mini lectures, exercises, assignments, quizzes and exams.

Course Grading

		Percentage
Two exams (one midterm and one final)	Individual	25+30%
Five Quizzes (drop the lowest)	Individual	(2.5% each)10%
Eight Individual Assignments (drop lowest)	Individual	(2% each)14%
Group Assignments	Group	3+3+4%
Group project	Group	8%
Career Advancement (CIS 3205E)	Individual	3%
Total Points		100%

Grade Distribution

Grade	A+	A	A-	B+	B	B-	C+	C	C-	D	F
Total Points	97.0 - 100	93.0 - 96.9	90.0- 92.9	87.0- 89.9	83.0- 86.9	80.0- 82.9	77.0- 79.9	73.0- 76.9	70.0- 72.9	60.0 - 69.9	Below 60.0

Class Format

This is a synchronous online class. Students are required to attend every class during the regularly scheduled class time. All students are expected to join with their webcams turned on. Zoom allows participants to show a JPG image as a background rather than showing the room behind them. Students will log in to the class using a Zoom account linked to their @student.gsu.edu email address.

Participation & Attendance

Students are required to attend all classes during scheduled class time. In extraordinary circumstances, a student may be allowed one (1) absence with prior notification AND prior professor approval. More than one unexcused absence may result in the student being dropped from the course.

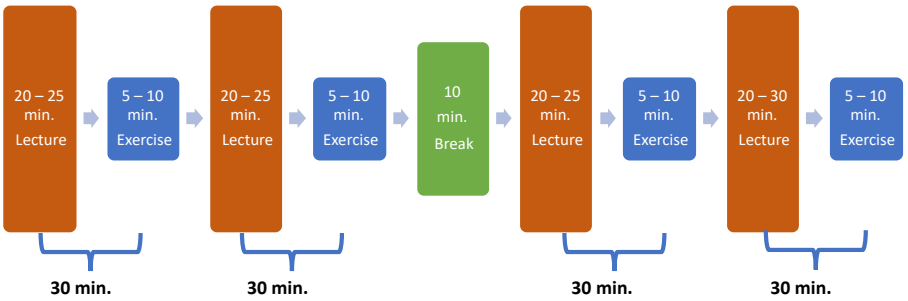
Students who want to do well in this course will attend class following the class attendance policy. You will need an excused absence due to illness or emergency. GSU has a new process for students seeking excused absences through the Dean of Students Office. Please submit documentation to https://deanofstudents.gsu.edu/student-assistance/professor-absence-notification/ . I will then be notified by the Dean of Students of any excused absences.

Should a student test COVID positive, any accommodations to the class attendance policy will be informed by evolving guidance from the CDC on quarantine. In most cases there will be no major change to mode of course delivery, so students will be responsible for collecting notes for missed in-person classes and making up any work they miss during quarantine. Anyone who has a positive COVID test is encouraged to alert the university so that appropriate contact tracing can be conducted.

You probably have an opinion on the effectiveness and use of masks to limit the spread of COVID-19 but wearing a face mask is not required in Georgia State classrooms. If you choose not to wear a face mask there is no penalty, and students should not engage an any type of disruptive behavior towards those who have made a different choice about wearing a mask.

Class Procedures

Each class is divided into a series of mini-lectures – 30 minutes at the most – with short (5-10 minutes) exercises in between. This will maximize student to student and student to teacher interaction and practice which are essential for mastery.



Student Groups

The groups are assigned for the entire term. Groups will complete the group projects and other group assignments together. Each group has 2 to 3 students. The group members should follow the pair programming technique for collaboration. One, the **driver**, writes code while the other one or two, the **navigators**, review each line of code as it is typed in. The two programmers switch roles frequently.

See more details about this collaboration technique at
https://www.youtube.com/watch?v=vgkahOzFH2Q .

Missing Exams/Presentations

The time for taking an exam is not negotiable. There are no make-up exams except extreme emergence cases.

Course Project

The concepts of this course are best learned by applying them to real-world business problem. Detailed requirements of the team project are provided in iCollege. The course project, which is intended to capture most aspects of the course, will also serve as a form of "comprehensive" test of all aspects of the course, as well as each student's ability to effectively work in teams (a top request of company recruiters these days).

Assignments

There are team assignments and individual assignments. The due dates are stated below in iCollege. Every student must submit an individual assignment via iCollege to receive credit. Only one submission is required for a team assignment. A teammate peer evaluation form must accompany every team assignment submission. The grades of team assignments may be adjusted for team members who do not contribute sufficiently to the assignment. Each student must submit a teammate peer evaluation by the designated due date and time.

An important aspect of this class is to learn by doing. The individual assignments are to be completed individually, not as a team. Do not discuss these assignments with your classmates. If you have questions, contact the instructor. Team assignments are to be completed only by team members. Do not collaborate with anyone outside your team. Plagiarism, duplicate individual assignments, or individual assignments that have been completed in collaboration with another person are violation of academic integrity.

Anyone found to have committed or facilitated academic dishonesty will receive a grade of "zero" on the assignment/project, a point deduction equivalent to two final grade levels (e.g. from a B to a D), and a charge of academic dishonesty filed with the Dean's office. ***Be sure to protect your intellectual property from theft - both the person copying an assignment and the person supplying the copy will be penalized equally!*** More information about academic dishonesty can be found in the GSU Policy on Academic Honesty.

Each student is expected to complete his or her assignments in the allocated time. ***Late assignments will only be accepted for 24 hours after the due date/time with a 10% penalty.***

Use of AI Tools

You may use a generative AI tool like ChatGPT only when it is specifically permitted as part of an assignment. Use of AI without instructor permission is not allowed.

Valid Excuses

Valid excuses include illness, family emergency, death of a relative or friend, immigration interviews, religious holidays, University-sponsored trips, and out-of-town job interviews. Independent documentation may be required. Students are encouraged to communicate with the instructor regarding any absences or other difficulties that may arise. On a case-by-case basis, the instructor will make exceptions for some other unusual circumstances.

Academic Honesty

Students may have general discussions about assignments with fellow classmates, but each student must develop his or her solution to the assignments. It is each student's responsibility to keep his/her own work secure. Failing to adequately protect one's work does not relieve the student from academic dishonesty charges.

Schedule Changes

Changes in the content and/or schedule as well as the assignments may be made as the course progresses. These changes will be announced in class and on the course website well ahead of scheduled time. You are responsible for making yourself aware of such announcements.

Grading Disputes

While the graders and the instructor make every effort to grade your work accurately, grading errors occur. Students with questions about grades should contact the instructor within ONE WEEK after the publish of grades. If re-grading is requested, the paper or exam will be re-graded in its entirety such that all grading errors will be corrected. Grading errors can occur both ways. As a result, your grade may go up or down after the re-grading.

Communication: E-mail is the preferred way to communicate with the instructors. Send all messages to the instructor's **gsu.edu** account . As the e-mail is filtered automatically, each message **must** have following format in the *subject* header to receive a quick response: CISCourseNo-SemesterYear-*topic,* where *topic* is one of the following: Midterm, Assignment-1, Group Assignment-2, Administrative-issues, or the various topics covered in class (for example, CIS3260-Fall2023-Midterm).

Note that using an inappropriate subject might result in a delayed response from the instructor.

Misc. Items:

- Please advise the instructor if you have a documented disability that needs to be accommodated.
- No extra work in the next semester given to improve your grade. Any queries about the grades should be brought to the attention of the instructor within a week after the graded students' works have been returned to the class
- Assignments and exams (except final exam) will be graded and returned in approximately one week after it was collected or given respectively. Should there be a delay, the students will be notified. Feedback that is delayed is not feedback.

Tentative Course Schedule

Date	Time	Topics	Readings	Quizzes	Assignments Due
08/22	Week 1	Course Overview Introduction to Computers, Programs, and Python	Liang - Chapter 1		
08/29	Week 2	Introduction to Computers, Programs, and Python Elementary Programming	Liang - Chapter 1 Liang - Chapter 2		IA 1 due 09/07 GA 1 due 09/20
09/05	Week 3	Elementary Programming and Selections	Liang - Chapter 2 Liang - Chapter 3	Quiz 1	IA 2 due 09/14
09/12	Week 4	Selections	Liang - Chapter 3		IA 3 due 09/21
09/19	Week 5	Selections Mathematical Functions, Strings, and Objects	Liang - Chapter 3 Liang - Chapter 4	Quiz 2	
09/26	Week 6	**Midterm Exam (CON Ch 1 - 3)**			
10/03	Week 7	Mathematical Functions, Strings, and Objects **Group Project Handout/Proposal**	Liang - Chapter 4		GA 2 due 11/08 IA 4 due 10/12
10/10	Week 8	Mathematical Functions, Strings, and Objects Loops Oct 10: Last day to withdraw without academic penalty	Liang - Chapter 4 Liang - Chapter 5	Quiz 3	IA 5 due 10/19
10/17	Week 9	Loops	Liang - Chapter 5		
10/24	Week 10	Functions	Liang - Chapter 6	Quiz 4	IA 6 due 11/02 GA 3 due 11/16
10/31	Week 11	Functions	Liang - Chapter 6		IA 7 due 11/09
11/07	Week 12	Lists	Liang - Chapter 7	Quiz 5	
11/14	Week 13	Lists Multi-Dimensional Lists	Liang - Chapter 7 Liang - Chapter 8		IA 8 due 11/27

		Objects and Classes	Liang - Chapter 9		
11/21	Week 14	Thanksgiving holiday (no classes)			
11/28	Week 15	Review			Group Project due 12/11
12/05	Week 16	**Final Exam (CON Ch4 – 9) 7:30 pm ~ 9:30 pm**			

Note: This syllabus is subject to change based on the needs of the class.