



IT 2430 – Computer Programming I Fall 2025

Meenalosini Vimal Cruz

T/Th 12.30 PM – 1.45 PM

Science Center, Room 129,

Armstrong Campus, Savannah

Contact Information

Instructor: Dr. Meenalosini Vimal Cruz M.Sc.,M.Phil.,M.Tech.,Ph.D
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Office M/W: 10:00 AM to 1 PM
Hours: Virtual office hours – M- 10 AM TO 1 PM
(Zoom id: <https://georgiasouthern.zoom.us/j/6328458488>)
OR BY APPOINTMENT

Textbook

This course uses OER materials, hence it does not require any Textbook Purchases. All the materials will be provided by the instructor and Free to access.

- Python for Everybody: Exploring Data in Python 3 by Charles Severance. Available in HTML and PDF format for free at <http://www.py4e.com/book>.

Software

- Anaconda Python 3.8 Version. Available at <https://www.anaconda.com/products/individual>.
- Jupyter notebook for IDE (all software used in the course is free)

Course Description

The course provides students with an introduction to the main concepts in programming including variables, expressions, statements, conditional execution, functions, iteration, strings, and files.

Objectives/Learning Outcomes

On completion of the course, students will be able to,

1. Develop programs in Python.
2. Use Python data structures to manipulate data.
3. Develop algorithms for various programming problems
4. Understand and practice basic programming constructs like branching, looping
5. Write simple and intermediate-level programs to perform calculations, manipulate strings and include functions

Relationship to ABET Student Learning Outcomes:

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

Course Prerequisites

A minimum grade of "C" in all of the following: IT 1130, IT 1430, MATH 2130 and STAT 2231.

Learning Commitment Expectations

The learner must take responsibility in the learning process. Students will not be successful in this course if they do not manage and regulate the time they spend on the course. Students must be self-motivated and responsible for keeping up with due dates for readings, assignments, and other activities. Students should log into the course on a daily basis to check for messages and other important information. Do not wait until the last minute to do work.

Teaching Methodology

Each module will consist of lectures, quizzes, Participation Activity and Challenging Activity from Zybook, Homework and assignments. The lectures and assignments are based on the assumption that students have completed the reading books and slides. Students are expected to ask questions regarding assignment exercises, not to ask the instructor to debug their programs.

Communication

The instructor will use Folio in managing and delivery of the course. You are therefore required to check it daily. **You should also check your Georgia Southern email account daily.** When contacting the instructor use Gmail, **not Folio mail.** If you have any question about the course activities, please contact the instructor.

Course Schedule with Activity Due Dates

A detailed course schedule is located in the *Course Schedule*.

Grading Policies

- Your grade will depend on your performance in the following activities:

Class Activities	Possible Points
Lab Assignments	25%
Quizzes	25%
Homework	30%
Exam	20%
Total	100%

- Letter grades will be determined by the total points earned from the activities listed in the previous bullet point and will be awarded based on the standard scale:

Total Points Earned	Letter Grade
90% or greater	A
80% or greater	B
70% or greater	C
60% or greater	D
less than 60%	F

- **Lab Assignments:** We will practice some programs in class which needs to be submitted in Folio for each module.
- **Home work:** There will be several homework assignments given during the semester. These *assignments must be completed on your own. Any evidence that students have collaborated on assignments will be considered academic dishonesty (see bullet on Academic Dishonesty below)*. They must be turned in via Folio by the due date and time. *Assignments submitted after the due date will be penalized following the Late Submission Schedule below.*
- **Quizzes:** These are entirely based on material from the readings. Quizzes are used as admission tickets to class and must be passed at 70% or greater to earn admission into the class on the chapters the quizzes cover. Each quiz may be attempted up to three times.
- **Midterm and Final Exam:** There are a midterm and a cumulative final exam. There are no exam make-ups without prior consent from the professor.

Late Work Policy:

Assignments submitted after the due date will incur a penalty of 25% to 50% of the original grade. **No work will be accepted AFTER the Dropbox closes.**

Once the Dropbox/Quiz closes, there will be no acceptance of quizzes, homework, lab submissions, or tests without prior notice given to the instructor or documentation of a University-recognized excused absence. This means the instructor will not:

- Re-opening of any quiz, PJs, or exam
- Acceptance of submissions through email
- **University recognized excused absences include:** Medical (clinic visits do not count), military training, and athletic competition days. Make-up assignments, quizzes, and tests must be arranged with the instructor no later than the next week immediately after the absence. No make-up of any kind will be given beyond a week after an absence. It is the responsibility of a student to make the arrangement with the

instructor. Students are required to get confirmation from the Dean of students to verify excusable absences when appropriate.

- Assignments submitted late for **any reason** will be penalized according to the following schedule:

Classroom Etiquette:

Classroom conduct

In order to create a positive teaching and learning environment, students should be RESPECTFUL (attentive, not talking while instructor is speaking, cell phones off, limited laptop use unless required due to a disability or for class work) and SUPPORTIVE. No one should behave in a way that is distracting to other students or the instructor. Students failing to meet these minimum standards will be asked to leave for the rest of the class period. Repeat offenses will result in the student being removed from the class.

- ✓ Turn off or silent all cell phones.
- ✓ Remove earbuds and earphones.
- ✓ Refrain from text messaging during class.
- ✓ **Do not use laptops during the lecture, except for doing work for the class.**
- ✓ Refrain from arriving to class late, departing class early and exiting/entering class without prior notice to the instructor as these actions are considered poor classroom etiquette.

Attendance

Attendance is mandatory. If you miss any class, you are expected to email the instructor. If you have 95% attendance, you will receive bonus points for attendance. This means you need to attend 30 out of 32 classes to receive the bonus points for attendance.

Participation

Students must prepare for each day of class by reading the assigned material in the textbook before coming to class on the day the material is discussed. Each student is expected to actively participate in class by answering questions during lecture, reading the assigned material before class, listening to lectures and discussions, contributing to the material being discussed, completing labs.

Reading/Taking Notes

PowerPoint slides will be posted on Folio. Students can use them as a starting point for their notes. The PowerPoint slides are not sufficient for students to use as notes. Thus, students are expected to read the book and implement all the exercises and watch all the provided videos.

I strongly suggest all the students to take notes physically (not digitally) during lecture, reading or self-learning from other materials and resources. You are allowed to refer these notes during exams.

Academic Dishonesty:

Academic dishonesty is not acceptable. A list of violations of the academic dishonesty policy is provided in the Georgia Southern Student Conduct Code (located at http://students.georgiasouthern.edu/judicial/SCC_08-09.pdf) in Section VI Part 1. The process for adjudication of academic dishonesty cases is in Section XIX. The **minimum** penalty for academic dishonesty on an assignment/quiz/exam is a grade of *zero* on the work for which the infraction occurred. ***In all cases, the incident will be reported to the Office of Judicial Affairs.***

Feel free to help each other by providing guidance and answering each other's technical questions; *but you **may not share files** or copy any part of the work of others.* Evidence of sharing files or copying code will be considered Academic Dishonesty and will be reported to the Dean of Students. Completion of all the individual projects is required to demonstrate adequate knowledge of the material. For the most part, individual assignments are to be completed on your own time.

- *Plagiarism* is the use of someone else's words, ideas, or data without giving credit to the original author. Plagiarism is a form of cheating.
If you are confused as to the difference between helping each other (which is encouraged) and cheating (which will not be tolerated), ask your instructor.
- If you assist someone else in cheating, you can also be charged with cheating yourself. This can include giving another student access to your computer account, negligently permitting another student to access your account, or posting answer keys where others can access them. Protect your account as if your academic career depends on it!

Acceptable	Cheating
Including a brief quote from a web page with the source cited.	Copying entire pages or paragraphs and republishing it as your own.
Using graphics from a free clip art or graphic site.	Using someone else's graphics without permission.
Discussing an assignment with another student.	Copying another student's work or file.
Looking at online sources or asking for a classmate's help to figure out what to do.	Duplicating a classmate's assignment answers as you own, without performing the assignment activity yourself.

- Special Needs: In accordance with the 1990 Americans with Disabilities Act, if you need special accommodations, please contact me during the first week of class.
- Notes: PowerPoint slides will be posted on Folio. Students can use them as a starting point for their notes. The PowerPoint slides are not sufficient for students to use as notes. Thus students are expected to read the book and implement all the exercises, and watch all the provided videos.

University Guidelines

First day Attendance

University policy requires all students to attend the first class meeting of all classes for which they are registered. Students who do not attend the first class meeting of a course for which they are registered will be dropped from the course if the faculty member verifies you as not attending.

Illnesses

"We want you to take appropriate precautions for your health as well as the well-being of your classmates. If you become ill during the term, please contact me immediately. We will work through what you will need to do, to either continue working in class or make up work that might have been missed during your absence. If you have an illness that would result in an extended absence, you will need to contact the Dean of Students office. In the event of serious illness, injury, or extenuating circumstances, the DOS office will notify professors at your request. If you need to self-report either a confirmed or suspected positive COVID-19 diagnosis, have received self-quarantine requirements, or have symptoms with pending test results, please complete the CARES Center COVID-19 self-reporting form (through the MyGeorgiaSouthern portal under "COVID-19 Information & Resources"). You may also reach the CARES Center by using the MyGS mobile app, calling 912-478-CARE (M-F 8am-5pm), or emailing covidsupport@georgiasouthern.edu. The CARES Center should not be used for medical advice. If you need medical advice, you need to call your health provider or 911.

Disability-Related Accommodations

Georgia Southern University is committed to providing reasonable accommodations to students with documented disabilities as required under federal law. Disabilities may include ADD or AD/HD, autism spectrum disorder, brain injury, chronic medical conditions, communication disorders, hearing loss, learning disabilities, mobility impairment, psychological disorders, visual impairment or temporary injuries. The purpose of disability accommodation is to provide equal access to the academic material and equal access to demonstrate mastery of the material. If you have a disability and need accommodations, please contact the Student Accessibility Resource Center (SARC). You will need to meet with a SARC staff member who can help you gather documentation of your disability or refer you to an appropriate resource for assessment. Once documentation of the disability is approved, SARC staff will provide you with an accommodation letter detailing the approved accommodations which you should present to me so we can discuss and implement your accommodations. Disability accommodations work best starting at the beginning of the semester, but can be approved and started at any point in the semester. Accommodations start at the time the accommodation letter is presented to faculty within reasonable timelines; accommodations are not given retroactively. SARC on the Statesboro campus is located on the second floor of Cone Hall and the phone number is (912) 478-1566. SARC for Savannah and Liberty campuses is located on the second floor of Memorial College Center and the phone number is (912) 344-2572.

Special Needs: In accordance with the 1990 Americans with Disabilities Act, if you need special accommodations, please contact me during the first week of class.

Georgia Southern University Campus Honor Pledge

"On my honor, I pledge to be academically honest in all my coursework and will not tolerate the academic dishonesty of others. I also pledge to engage in ethical behavior on-campus and off-campus, to live an honorable lifestyle, and to create a campus environment that is characterized by individual responsibility, civility, and integrity."

Tentative Course Schedule:

Disclaimer: We will follow this schedule, but some adjustments are likely to be made. This outline is provided to help you schedule your semester. Assigned readings are expected to be completed prior to class meetings.

* All due dates can be found on Folio.

Date	Topic and Readings	Items Due *
Week 1 Aug 14	Course Introduction	
Week 2 Aug 19,21	Chapter 1 Introduction to Python	Lab Assignment 1 HW 1 Quiz 1
Week 3 Aug 26,28	Chapter 2 - Variables and Expressions	Lab Assignment 2 HW 2 Quiz 2
Week 4 Sep 2,4	Chapter 2 Continue	
Week 5 Sep 9,11	Chapter 3 - Branching	Lab Assignment 3 HW 3 Quiz 3
Week 6 Sep 16,18	Chapter 3 Continue	
Week 7 Sep 23,25	Chapter 4 - Function	Lab Assignment 4 HW 3 Quiz 4
Week 8 Sep 30, Oct 2	Chapter 4 Continue	
Week 9 Oct 7,9	Exam 1 Chapter 5 – Loops Intro	
Week 10 Oct 14, 16	Chapter 5 Continue	Lab Assignment 5 HW 5 Quiz 5
Week 11 Oct 21,23	Chapter 6 String intro	
Week 12 Oct 28,30	Chapter 6 Continue	Lab Assignment 6 HW 6 Quiz 6
Week 13 Nov 4,6	Chapter 6 Continue	
Week 14 Nov 11,13	Chapter 7 -Files	
Week 15 Nov 18,20	Chapter 7 Continue	Lab Assignment 7 HW 7 Quiz 7
Week 16 Nov 24-29	Thanksgiving Break	
Week 17 Dec 2	Exam 2	
Dec 5-11	FINAL EXAM	