Course Instructor

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Office Hours: By Appointment (I'm quite flexible)
Office Location: CoC 216

Course Time/Location

This course's content was specifically designed to be **delivered asynchronously**. You will have the flexibility to review it: (a) at any time regardless of your time zone and/or geography; and (b) as many times as you wish until it sticks. There are some students who learn best in a classroom with an instructor who is live teaching in front of them. I want the absolute best experience for you, particularly one that matches your learning preferences. **If you think you might prefer a synchronous section, I strongly suggest exploring one of such sections before the end of week 1.**

The schedule lists a weekly Wednesday meeting, but **the only time we'll be required to meet in person are on test and final exam dates**. For tests, the time and location for the O1 section are referenced below:

Intro-Object Orient Prog - 86493 - CS 1331 - O1

Section Info: Online lecture: Exams in Person Course Info: Introduction to techniques and methods of object-oriented programming suc
Associated Term: Fall 2024
Registration Dates: Apr 12, 2024 to Aug 23, 2024
Levels: Graduate Semester, Undergraduate Semester
Attributes: STEM USG

Georgia Tech-Atlanta * Campus
Lecture* Schedule Type
Partially at a Distance (BOR) Instructional Method
3.000 Credits
Grade Basis: L
View Catalog Entry

Scheduled Meeting Times

Type	Time	Days	Where	Date Range	Schedule Type	Instructors
Class	5:00 pm - 5:50 pm	W	Instructional Center 103	Aug 19, 2024 - Dec 12, 2024	Lecture*	Olufisayo A Omojokun (P)

We will use non-test Wednesdays for the recitation, which will be discussed later.
Students in the GT-Europe section will hear details regarding test locations in the near future.

While you are planning your semester schedule, please make sure to avoid scheduling any conflicts during the above period on the four Wednesday testing dates we will meet. You will be required to be in class during those dates. The actual dates for the tests and final are listed later in this document.

TA Info

(See Canvas Homepage)

Course Description (from Catalog)

Introduction to the techniques and methods of OO programming such as encapsulation, inheritance, and polymorphism. Emphasis on software development and individual programming skills.

Course Objectives

· Introduction to object-oriented programming through the use of the Java language.
· Experience with algorithms and GUI programming.
· Introduction to data structures—both built-in and programmer-written in Java.

Prerequisites

A minimum grade of C in least one of the following: CS 1301, 1315, 1321, or 1371.

Course Materials

I do not require a textbook for the course. You are expected to review the Canvas modules, which also include regular knowledge checks (KCs) for you to complete and evaluate your understanding. KCs will not be counted in your grade and are solely there to help you determine whether to move *on to the next* topic or go back and repeat parts (or all) of a lesson.

On top of the online content that has been specifically created for this course, there is a wealth of information on the web that can be found by searching. Also, to further help with your understanding of the material, look out for a repository of curated questions (with answers) from past students.

If you wish to buy a book, however, here are a couple of books that I have suggested in the past:
Savitch & Mock, "Absolute Java" 6th edition.
     ISBN-10: 0134041674 / ISBN-13: 978-0134041674
Lewis & Loftus, "Java Software Solutions" 9th edition
     ISBN-10: 9780134462028 / ISBN-13: 978-0134462028
An eBook version of each of the above is likely available for purchase at a reduced price.

Grades and Grading Policy

A	>= 90.00
B	>= 80.00 and < 90.00
C	>= 70.00 and < 80.00
D	>= 60.00 and < 70.00
F	< 60.00

20%	Programming Homework (about one per week)
54%	Test (3 worth 18% each)
26%	Final Exam (cumulative)

In addition to meeting the above cutoffs, you must also have a passing average on the tests and final exam to pass the course. Because random things can happen during a semester, I will drop your lowest homework grade but advise you to attempt all as part of honing your skill and prepping for tests.

Due Dates, Late Work, and Missed Work

Homework turn-in is via Gradescope. Each assignment is due before 11:55 pm on the due date. We'll accept late homework for up to 48 hours after its due date; however, for each 12 hours, there will be 7.5% off. So, a two-day late homework will have 30% off. We will not accept assignments after the 2nd late day. You can use your drop. Finally, expect **the last homework** to be due on the last instructional date of the semester to give you the most amount of time to work on it. With that deadline, we are unable to accept late submissions for it.

Please read the following carefully:
Non-compiling submissions are 0s. If the TA downloads your HW, tries to compile it, and errors are generated that prevent complete class files from being generated, it will be a 0. It is your responsibility to make sure you completely and successfully submit the proper files for your assignments turned into Gradescope. Once you submit your HW files, we suggest that you download them into an empty folder and compile/run the HW to see if it works using your uploads alone. This will prevent issues like renaming valid '.java' files or adding comments after testing from crashing compilation. On this note, make sure you even submit any files that we give you for the HW (e.g. images) unless the description says otherwise. Expect a final homework that will be due on the final instruction date of the class. I must explicitly state this according to paragraph C.1.c. here: http://catalog.gatech.edu/rules/12/

Exam Policy

All tests and the final exam will be delivered in person and will be closed-book and closed-notes. Tests will be written to be completed within 50 minutes and will be taken in-person (see room/time in the above Oscar screenshot). Below are the tentative dates, which may change sometime during the first week of classes.

GT-E section students: Look out for communication regarding tests times shortly.

Test 1 – 9/18 (on L1-L9 content)

Test 2 – 10/9 (mostly on L10-L12 - but note that those modules build on prior modules)

Test 3 – 11/6 (mostly on L13-L16 - but note that those modules build on prior modules)

Final (note 6PM start time) – 12/11 from 6PM-8:50PM (cumulative, but will have more questions on the material after test 3 than any other chunk)

IMPORTANT: The School of Computing Instruction has implemented a policy for 1331 and several other CS courses regarding makeup exams. That is, missed exam (grades) will be replaced by your final exam grade at the end of the semester – as long as your absence is Institute-approved. Skipping a test just to skip does not mean the 0 will be replaced. Finally, there are multiple benefits on the instructional staff- and student- side, such as allowing a quicker turnaround in exam grading and thus you getting feedback earlier.

The exception is single-use. If you miss more than one exam, then your professor will handle that situation on a case-by-case basis.

Class & Recitation Attendance

I have created a series of modules containing video-based programming demos, video-based slides, textual explanations, and a skit or two to promote your learning. As such, **your success will depend on your ability to manage time and schedule your own sessions to review the modules.** The benefit, however, is that **you can watch/read the modules as many times as you wish**. Homework assignments will also be mapped to their associated lessons.

You might notice there is a once-a-week meeting time listed on OSCAR. That time represents the optional recitation in which the TAs will provide help and review concepts. While optional, it is strongly recommended that you attend.

Grade Contest

To contest any grade, you must submit an official regrade to the TAs within a week of the assignment's original return date. TAs will post the official regrade policy within the first two weeks.

Course Expectations

- Keep up with the content as it is released.
- Try the code from the online content and recitations.
- Do your own homework and experiment with examples! Learning to program is like learning a sport. It takes actual practice and time to get comfortable with programming. The assignments given are opportunities to apply the concepts presented in the modules. Copying your friends HW will only expose your limitations during quizzes and exams. We will run similarity checking software on a number of the homeworks.
- Use TAs to help you learn.
- Be prepared when you go to get help from a TA or your instructor.
- Avoid waiting until the end of the semester to ask for help.
- Take initiative. Begin your assignments early and if you think you need help, come prepared. Use the resources that are provided for you and be determined to succeed from the start.
- If you intend to use a Java construct that has not been introduced in the course at a given time of a homework or test release, make sure to get permission first. As creators of the assignments, we are aware of multiple paths to accomplishing a given task; however, such restrictions on what you can use are often made for pedagogical reasons.

Online Conduct and (N)etiquette

Communicating appropriately on an online learning platform can be challenging. To minimize this challenge, it is important to remember several points of **"internet etiquette"** that will smooth communication for both students and instructors:

- Read first, Write later. Read the ENTIRE set of posts/comments on a discussion board before posting your reply, to prevent repeating commentary or asking questions that have been answered.
- Avoid language that may come across as strong or offensive. Language can be easily misinterpreted in written electronic communication. Review email and discussion board posts BEFORE submitting. Humor and sarcasm may be easily misinterpreted by your reader(s). Try to be as matter-of-fact and professional as possible.
- Follow the language rules of the Internet. Do not write using all capital letters, because it will appear as shouting. Also, the use of emoticons can be helpful when used to convey nonverbal feelings. ☺

- Consider the privacy of others. Ask permission prior to giving out a classmate's email address or other information.
- No inappropriate material. Do not forward virus warnings, chain letters, jokes, etc. to classmates or instructors. The sharing of pornographic material is forbidden.

NOTE: The instructor reserves the right to remove posts that are not collegial in nature and/or do not meet the Online Student Conduct and Etiquette guidelines listed above.

University Use of Electronic Email

A university-assigned student email account is the official university means of communication with all students at Georgia Institute of Technology. Students are responsible for all information sent to them via their university-assigned email account. If a student chooses to forward information in their university email account, they are responsible for all information, including attachments, sent to any other email account. To stay current with university information, students are expected to check their official university email account and other electronic communications on a frequent and consistent basis. Recognizing that some communications may be time-critical, the university recommends that electronic communications be checked minimally twice a week.

Finally, when sending an email to the instructor and/or TAs, be sure to use an informative email subject that includes CS1331 in the subject of the email! For example, Subject: CS1331 assignment 2 question. Do not email saying, "I'm in your CS class..."

Plagiarism & Academic Integrity

Georgia Tech aims to cultivate a community based on trust, academic integrity, and honor. Students are expected to act according to the highest ethical standards. All students enrolled at Georgia Tech, and all its campuses, are to perform their academic work according to standards set by faculty members, departments, schools and colleges of the university; and cheating and plagiarism constitute fraudulent misrepresentation for which no credit can be given and for which appropriate sanctions are warranted and will be applied. For information on Georgia Tech's Academic Honor Code, please visit http://www.catalog.gatech.edu/policies/honor-code/ or http://www.catalog.gatech.edu/rules/18/.

Any student suspected of cheating or plagiarizing on a quiz, exam, or assignment will be reported to the Office of Student Integrity, who will investigate the incident and identify the appropriate penalty for violations. You are prohibited from posting course materials including quizzes, exams, and projects on the Internet (including public Github). **If any student copies your work that you had posted online, you will be considered as having committed plagiarism as well.** Note that Gradescope

has similarity detection features, so avoid *over*-collaboration and use of code generators/bots. We will run this tool throughout the semester.

Additionally, TAs will be monitoring "collaboration/help" sites (Chegg, CourseHero, groups, etc...) for violations.

The use of machine learning (ML) or artificial intelligence (AI) to generate homework code (either partial or full solutions to homework prompts) is prohibited. This restriction includes (but is not limited to) the use of ChatGPT or GitHub Copilot. If you are uncertain if a tool or an application of one is allowed, consult with a Head TA.

Accommodations for Students with Disabilities

If you are a student with learning needs that require special accommodation, contact the Office of Disability Services at (404)894-2563 or http://disabilityservices.gatech.edu/, as soon as possible, to make an appointment to discuss your special needs and to obtain an accommodation letter. Please also email me as soon as possible in order to set up a time to discuss your learning needs. Note that extension requests must be made at least two days before homework deadlines, and a reasonable amount of effort must be shown towards completion at that time.

Student-Faculty Expectations Agreement

At Georgia Tech, we believe that it is important to strive for an atmosphere of mutual respect, acknowledgement, and responsibility between faculty members and the student body. See http://www.catalog.gatech.edu/rules/22/ for an articulation of some basic expectations that you can have of me and that I have of you. In the end, simple respect for knowledge, hard work, and cordial interactions will help build the environment we seek. Therefore, I encourage you to remain committed to the ideals of Georgia Tech while in this class.

Subject to Change Statement

The syllabus and course schedule may be subject to change. Students are responsible for checking Piazza, email messages, and course announcements to stay current in their online courses.