

C Sci 40

Schedule #26393; Fall 2021
Hours: 6:30-8:50 MW
Room: S-20
Instructor: Greg Jamison

Office Hours: 4:00-5:50 TTh, 3-3:50 F
Office: S-16 (x8421)
Text (recommended, not required): Starting Out With C++ by Tony Gaddis
Home Page: <http://greg.jamison.tk>

The aim of this course is to enable you to write computer programs in C++ to solve problems that would be too long or complicated to solve by hand.

The following topics will be covered:

1. Data types int, float, double, char, bool, and string.
2. Functions with reference and value parameters that may or may not return values.
3. Operators and operator precedence
4. ostream, istream, and string variables as objects with member functions.
5. for loops, while loops, if statements, switch statements.
6. Enumerated data types.
7. Files, arrays, structs, classes.
8. Recursion, pointers.

Emphasis will be placed on proper programming style.

Some requirements and suggestions: Checking email for school announcements is required. A webcam is required. Tests and homework are turned in as pdfs (I suggest Genius Scan on your cell phone for this.)

There will be three tests, one on each of the following dates: September 16th, October 21st, and November 23rd. The final exam is on Tuesday, December 7th at 6:30 pm over Zoom. **If you can't meet at these times, Please let me know as soon as possible.**

Your final score will be broken down as described below:

1. The final exam will be comprehensive, meaning it will cover all material taught in class.
2. Each test is worth 100 points, and the lowest of the three tests will be dropped.
Dropping the lowest test is done instead of giving retake tests.
3. There will be a semester group project that begins about halfway through the semester that will be worth 100 points
4. The homework counts as 100 total points.

Summary of Grading Policy

Test # 1 = 100 possible
Test # 2 = 100 possible
Test # 3 = 100 possible

200 total points
possible AFTER lowest
score is dropped

Numerical Calculation of Course Score:

200 points from the highest two test scores to the left.
100 points from homework
100 points from the group project
+ 150 points from final exam
550 points = maximum possible points (final letter grade of A)

The letter grade in this course corresponds to percentages as follows:

	90-100%		A
	80-90%		B
If you get...	70-80%	then your grade will be at least...	C
	60-70%		D
	0-60%		F

Testing policy: Tests are open book. Calculators may be used. All work must be shown, and results clearly labeled. Nothing, including pencils, erasers, and calculators, may be shared during a test. No talking is allowed. If any of the testing policies are violated, you may receive a zero on the test. If there is any evidence of cheating on any exam, you will be given an "F" for the entire course. No communication or recording devices are allowed during a test, including cell phones and mp3 players, unless explicitly stated otherwise. If a cell phone accidentally rings during a test, do not answer it; turn it off. Answering a cell phone during a test will cause you to fail the test.

Computer assignments: The computer assignments will be submitted on my website. Each assignment will be given a grade from 0 to 10, corresponding to a percentage from 0% to 100%. I will not accept any assignments which would not receive at least a 7, including considerations of style as well as output. If you show me a program in progress, I will be happy to tell you how to perfect it. Computer programming can be very time consuming. Make sure you do not fall behind on the homework assignments. It will be extremely hard to catch up later. A class normally requires two hours of homework for every hour in class. This class may require even more. A conscientious student will need to be in the lab for at least twice the scheduled number of hours.

Miscellaneous: Participation during tests is required, which means you must take the tests to remain in the course. If you will not be able to take a test, you must inform me of that, or you may be dropped. If you don't turn in any homework for a period of two weeks, you may be dropped. It is the student's responsibility to drop himself if he stops attending class. If you stop attending, but do not drop, you may receive an "F". Please notify me of any planned absences in advance. If you are expecting a possible emergency, let me know before any applicable test or deadline. Please note that any of the above may change if special circumstances arise.