

## Course Information

Instructor: Grace Muzny

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Office: ECOT (engineering center tower) 743

Credit: 3 credits

Lecture times: Mondays & Fridays 3 - 4:15pm, ITLL 1B50

Course website: <https://moodle.cs.colorado.edu>, then search for “CSCI 3010 - Muzny - Programming Project Workshop”, access code “csci3010”

There is no recitation for this course.

## Course Goals

The main objective of this course is to give students more experience coding and, in particular, designing and building multi-file systems from the ground up.

## Expectations

You are expected to come to class and actively participate in group and individual work. You are expected to treat your fellow classmates with respect, and work with them to create an environment in which students are comfortable sharing knowledge with and teaching one another.

## Late Policy

All homeworks may be turned in up to 3 days (72 hours) late for a 20% penalty. If a homework is due on Wednesday at 11:55pm, it may be turned in as late as Saturday at 11:55pm. If a student would have received a 95% had they turned their homework in on time, a late submission will earn them a 75% instead.

In class activities must be completed in class.

Programming exercises may not be turned in late.

## Make-Up Policy

If you are unable to attend the Friday class during a particular week, it is your responsibility to contact the instructor beforehand. If you contact the instructor at least 72 hours in advance (Tuesday at 3pm), it may be possible for you to do make-up work for ½ credit. Other extensions will only be given in cases of medical and family emergencies.

## Collaboration Policy

The collaboration policy is simple:

- **Inspiration is free:** you may discuss homework assignments with anyone. You are especially encouraged to discuss solutions with your instructor and your classmates.
- **Plagiarism is forbidden:** the assignments **and code** that you turn in should be written entirely on your own. You should not need to consult sources beyond your textbook, class notes, posted lecture slides and notebooks, and Python/Numpy/Matplotlib documentation. Copying/soliciting a solution to a problem from the internet or another classmate constitutes a violation of the course's collaboration policy and the honor code and will result in an **F** in the course and a trip to the honor council.
- **Do not search for a solution online:** You may not actively search for a solution to the problem from the internet. This includes posting to sources like StackExchange, Reddit, Chegg, etc.
- **StackExchange Clarification:** Searching for basic techniques in Python is totally fine. If you want to post and ask "How do convert a float to an integer" that's fine. What you **cannot** do is post "Here's the function my prof gave me to write. I need to convert this temperature in celcius to fahrenheit. **Give me code!**". That's cheating.
- **Tutors:** you should always consult piazza and the instructor for this course if you need extra help. They are here specifically to help you! You should never have anyone else write code for you. This includes tutors, friends, strangers, friends of friends. Anyone who is not you. You can review concepts with tutors, just not specific homework problems.
- **When in doubt, ask:** If you have doubts about this policy or would like to discuss specific cases, please ask the instructor.

## Grading

	Due Dates	Total points	Percentage of grade
Programming Exercises	Most Mondays and Fridays at 3pm Monday submissions will be online; Friday submissions will be on paper unless otherwise noted	200	20%
Homeworks	Wednesdays at 11:55pm	700	70%
In class activities	In class on Fridays 14 total, any points over 100 earned will be multiplied by .5 and counted as extra credit. The maximum score in this category is 120/100.	100	10%

## Topics

(rough list, subject to change)

Week 1: Jan 16 - 21	Logistics, objects & inheritance
Week 2: Jan 22 - 28	objects & structs part 2, GUIs & design patterns part 1
Week 3: Jan 29 - Feb 4	Design patterns/GUIs part 2
Week 4: Feb 5 - Feb 11	Design patterns/GUIs part 3, testing
Week 5: Feb 12 - Feb 18	Testing, command line, bash, make
Week 6: Feb 19 - Feb 25	Object-oriented languages
Week 7: Feb 26 - March 4	Strongly-typed languages
Week 8: March 5 - March 11	Version control & continuous integration
Week 9: March 12 - March 18	Code reviews
Week 10: March 19 - March 25	TBD/Homework 4 demos
Spring Break	
Week 11: April 2 - April 8	Final projects, map reduce or web requests
Week 12: April 9 - April 15	APIs
Week 13: April 16 - April 22	Security
Week 14: April 23 - April 29	TBD
Week 15: April 30 - May 4	Project demos

For further information, see the calendar posted on the class moodle.

### Accommodation for Disabilities

If you qualify for accommodations because of a disability, please submit your accommodation letter from Disability Services to your faculty member in a timely manner so that your needs can be addressed. Disability Services determines accommodations based on documented disabilities in the academic environment. Information on requesting accommodations is located on the [Disability Services website](http://www.colorado.edu/disabilityservices/students) (www.colorado.edu/disabilityservices/students). Contact Disability Services at 303-492-8671 or dsinfo@colorado.edu for further assistance. If you have a temporary medical condition or injury, see [Temporary Medical Conditions](#) under the Students tab on the Disability Services website and discuss your needs with your professor.

### Religious Holidays

Campus policy regarding religious observances requires that faculty make every effort to deal reasonably and fairly with all students who, because of religious obligations, have conflicts with scheduled exams, assignments or required attendance. In this class, contact the instructor at least 3 days in advance to reschedule a missed Friday section.

See the [campus policy regarding religious observances](#) for full details.

### **Classroom Behavior**

Students and faculty each have responsibility for maintaining an appropriate learning environment. Those who fail to adhere to such behavioral standards may be subject to discipline. Professional courtesy and sensitivity are especially important with respect to individuals and topics dealing with race, color, national origin, sex, pregnancy, age, disability, creed, religion, sexual orientation, gender identity, gender expression, veteran status, political affiliation or political philosophy. Class rosters are provided to the instructor with the student's legal name. I will gladly honor your request to address you by an alternate name or gender pronoun. Please advise me of this preference early in the semester so that I may make appropriate changes to my records. For more information, see the policies on [classroom behavior](#) and the [Student Code of Conduct](#).

### **Sexual Misconduct, Discrimination, Harassment and/or Related Retaliation**

The University of Colorado Boulder (CU Boulder) is committed to maintaining a positive learning, working, and living environment. CU Boulder will not tolerate acts of sexual misconduct, discrimination, harassment or related retaliation against or by any employee or student. CU's Sexual Misconduct Policy prohibits sexual assault, sexual exploitation, sexual harassment, intimate partner abuse (dating or domestic violence), stalking or related retaliation. CU Boulder's Discrimination and Harassment Policy prohibits discrimination, harassment or related retaliation based on race, color, national origin, sex, pregnancy, age, disability, creed, religion, sexual orientation, gender identity, gender expression, veteran status, political affiliation or political philosophy. Individuals who believe they have been subject to misconduct under either policy should contact the Office of Institutional Equity and Compliance (OIEC) at 303-492-2127. Information about the OIEC, the above referenced policies, and the campus resources available to assist individuals regarding sexual misconduct, discrimination, harassment or related retaliation can be found at the [OIEC website](#).

### **Honor Code**

All students enrolled in a University of Colorado Boulder course are responsible for knowing and adhering to [the academic integrity policy](#). Violations of the policy may include: plagiarism, cheating, fabrication, lying, bribery, threat, unauthorized access to academic materials, clicker fraud, resubmission, and aiding academic dishonesty. All incidents of academic misconduct will be reported to the Honor Code Council ([honor@colorado.edu](mailto:honor@colorado.edu); 303-735-2273). Students who are found responsible for violating the academic integrity policy will be subject to nonacademic

sanctions from the Honor Code Council as well as academic sanctions from the faculty member. Additional information regarding the academic integrity policy can be found at the [Honor Code Office website](#).