

Math 156, Fall 2024

Instructor: Kelsey Brown (KelseyMinna.Brown@colostate.edu)

Office Hours: Tuesday 11am-12pm, Friday 10am-11am in the Calculus Center
(if you can't make mine, the other 156 instructor has Wednesday/Friday 1pm-2pm!)

Textbook: Mathematics for Computational Science (lecture notes), by Alexander Hulpke
(<https://hdl.handle.net/10217/234999>)

About the Course:

This class covers a variety of topics in logic and calculus, including, but not limited to sets, relations, number systems, functions, sequences, series, and concepts of both differential and integral calculus as relevant to computational science.

You may use a scientific calculator in this class, however advanced calculators that perform symbolic computations are prohibited. You may not use a cell phone, computer, or tablet as a calculator on any quiz or test.

Prerequisites:

MATH 124 with a B or better; MATH 126 with a B or better or MATH 127 with a B or better.

Grade Distribution:

Precise letter grade cut-offs (no +/-) will be determined at the end of the summer, but are expected to be no stricter than:

A: 90-100%

B: 80-89%

C: 70-79%

D: 64-69%

Coursework:

Note that the MyOpenMath grade book can sometimes be wonky (especially as it pertains to grade weights before all assignments are in the grade book) and may not show the correct grade at all times.

Grading:

Homework: 25%

Quizzes: 15%

Exam 1: 20%

Exam 2: 20%

Final Exam: 20%

Homework:

We will use MyOpenMath for homework assignments. You will need to create a (free) MyOpenMath account in order to access the homework. Online homework assignments will be due about half the weeks during the semester.

Note that the scores will not automatically sync to Canvas; your homework scores will be entered manually into the Canvas gradebook throughout the semester.

One homework assignment will be dropped at the end of the semester.

Quizzes:

We will have (almost) weekly quizzes at the end of class on Wednesdays. These will take around 10 minutes and are to be taken without your notes or any additional resources.

No make up quizzes will be given, but we will drop two quizzes at the end of the semester.

Exams:

There will be two midterm exams and a cumulative final exam. These will be taken in class. The exam dates are **Friday, October 11th** and **Friday, November 15th**. The final exam will be **Thursday, December 12th, 4:10pm-6:10pm**.

No make up exams will be given, except for university excused absences with appropriate documentation.

Accommodations:

If you require Student Disability Center Accommodations for exams, you must make arrangements with the Student Disability Center and provide formal documentation at least one week in advance of every exam.

Life Circumstances:

If you are experiencing a serious, unexpected life circumstance that is affecting your ability to participate in the course fully, the best thing to do would be to confer with the CSU Student Case Management, which deals with these situations in a safe, confidential and professional manner.

The URL is:

<https://studentcasemanagement.colostate.edu/>

Academic Honesty Policy:

The University Policy on Academic Integrity is enforced in this course, and the academic honesty penalties for this class are quite serious and predicated on a philosophy that it is much better to not hand in an assignment at all than it is to hand one in dishonestly. I strongly advise you not to run afoul of the honesty code – it is simply not worth it. If you find yourself struggling in the course, the best thing to do would be to talk to me about the issue.

Please note that simply having access to forbidden materials – such as notes, a smart phone, etc. – during an exam constitutes a breach of academic honesty, whether or not you are observed actually using them. Likewise, making misrepresentations to your instructor about any issue related to the operation of the course, providing fraudulent or misleading documentation, or otherwise creating a situation in which it is not possible to reliably assess whether or not your actions conformed to course and university policy is also considered a violation of the honesty code. Please remember that the penalties for such infractions are generally much more severe than a zero on the assignment itself, and it is usually not possible to pass the course after even one academic honesty infraction. Again, the best thing to do would be to steer clear of any honor code situations – as long as you have right prerequisites and participate in the course fully, all students should be able to pass the course on their own merit.