

Math 161: Calculus II, Fall 2023

Coordinator: Dr. Philip Kopel (philip.kopel@colostate.edu)

Instructor: Varies with section (see your section Canvas page).

Suggested Textbook: Thomas' Calculus, by George Thomas (Entirely Optional).

About the Course: This class picks up where MATH-160 leaves off, and will cover topics such as integration techniques, applications of integration, sequences and series, Taylor series and their applications, complex numbers and Euler's formula.

This course emphasizes critical reasoning and problem solving skills rather than rote memorization, so working a large number of practice problems (and seeking help when you're stuck!) is essential. Many of the problems we assign will be problems that you will need to consider and think through rather than problems that you can solve right away. The hope is that, when you are finished with this course, you will not only be able to do more math, but you will actually be "better" at math!

Prerequisites: The prerequisite for this class is Calculus I, and a thorough working understanding of the topics covered in that course is essential for succeeding in Calculus II. These include limits, derivative rules, L'Hopital's rule, integrals, the fundamental theorem of calculus and u-substitution, as well as pre-calc topics such as exponentials, logarithms, trig functions, and so forth.

Calc Center: Tutoring and regular help hours for each instructor are available for this course through the Calculus Center. The Calculus Center is located in the Russell George Great Hall in The Institute for Learning and Teaching (TILT). No appointment is necessary and all students are welcome. TILT also provides their own tutoring services for Math 161; for more detailed information please see <http://tilt.colostate.edu/learning/tutoring/>.

Grade Distribution

Precise letter grade cut-offs will be determined at the end of the semester, but are expected to be no stricter than:

A: 90-100%
B: 80-89%
C: 70-79%
D: 64-69%

Your final grade is computed based on your homework (8%), quizzes (4 %), the three midterms exams (21% each) and final exam (25%). Please be aware that any in-progress grades automatically generated by Canvas are not necessarily correct and may be misleading. It is assumed that if you are enrolled in 161 you are able to compute a weighted average and thereby keep track of your performance during the semester yourself, and it is advisable to do so.

Please also note that we do not offer any additional or alternative credit opportunities at the end of the semester, we do not adjust grades based on the requirements of a given major, scholarship, planned future course work or graduation schedule, and we do not round up final averages. If you actively participate in class, do the homework on your own and visit the Calc Center, you should not need these extra considerations!

Lectures: Lectures will be delivered by your section instructor. While attendance is not strictly mandatory, it is fully expected that you be able to participate each day and excessive absence and tardiness may compromise your ability to succeed in the course.

Homework: Homework is assigned weekly, except for exam weeks, and is graded for both completion/presentation and accuracy. Scores lower than your exam average are replaced by the exam average at the end of the semester, and for this reason make-ups are never offered.

Quizzes: Short quizzes will be given in class at the end of most weeks, on Friday, excluding exam weeks. Scores lower than your exam average are replaced by the exam average at the end of the semester, and for this reason make-ups are never offered.

Exams: Midterm exams will be given on select Thursday evenings: September 14, October 12 and November 9. The final exam will be given on the date and time designated by the university; this information can be found on the CSU Fall 2023 Final Exam Schedule webpage.

Exam Policies

- You must make sure you bring your student ID with you and sign in to all exams, otherwise we will not be able to verify your identity and presence.
- The midterm exams are not necessarily going to be held in the same room as lectures, and the final exam is not necessarily going to be held in the same rooms as either the midterms or the lectures. Exam room information will be provided by your instructor, and it is entirely your responsibility to make sure you are where you're supposed to be.
- It is the student's responsibility to make sure grades are entered accurately on Canvas, and to alert their instructor in a timely manner in case of error. Time for review of exams will be provided in class on the day exams are returned; concerns about grading need to be brought during this time. Once a student leaves the classroom with their exam, the window to contest grading will have closed and grade corrections will no longer be considered.
- All exams must be taken at the time stated on the syllabus, including the Thursday before Spring Break. These dates and times cannot be changed. Please make sure you can make all of the exams at the beginning of the semester, and do not schedule personal travel that conflicts with these times, as this will not be considered valid for the purposes of scheduling an alternate testing time. The only exceptions are conflicts with university approved absences (for which a special letter is required), religious observances, and for very serious emergencies.
- In the case of a legitimate exception, it is the student's responsibility to inform the instructor in due course (well ahead of a conflict with a university events, or as soon as possible in case of a medical emergency) of this conflict and to provide written documentation. Lateness in informing the instructor of a potential issue can be considered grounds for an alternate exam not to be provided, even in the case of valid excuse.
- If you have a serious medical emergency, you will need to obtain medical documentation from a doctor who has examined you which specifically and explicitly attests to you not being physically able to take the exam. In particular, a note that only documents a visit to doctor will not be considered adequate.
- A class day will be devoted to going over each midterm exam. This is your opportunity to review your exam and ask questions if something doesn't make sense. Once you leave the room with your exam, the grade can no longer be changed.

Accomodations: If you require Student Disability Center Accommodations for exams, you must make arrangements with the Student Disability Center and provide formal documentation to the course coordinator and your instructor 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 then it is to hand one in dishonestly. We 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 your instructor or the coordinator about the issue, or to increase your time spent in the Calculus Center.

All work submitted must be reflective of your own understanding. Uploading a question to the Internet, or using a solution which was either obtained online or otherwise authored in the main by another person, is strictly prohibited. Submitting work that is excessively similar to that of another students or that you can not justify or explain adequately afterward is also considered academic dishonesty. The course policy is that if several assignments are found to be excessively similar, then academic honesty penalties will be incurred by all of the students in question. In other words, we do not distinguish between the student who copied a solution and the student who allowed their solution to be copied. This also includes situations where multiple students obtain a common set of solutions from a third party.

Please note that simply having access to forbidden materials – such as notes, a calculator, 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 then a zero on the assignment itself, and it is usually not possible to pass the course after even one academic honesty infraction. Please also be advised that potential academic honesty infractions are assessed on a preponderance of evidence basis.

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.