Math 1172: Calculus II
Spring 2026
TF 2:00–3:15, W 3:00-3:50 Bannow 341

Instructor Chris Staecker
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Office Hours: TF 11-12:30, 1:30-2, W 12-1, 2-3 or by appointment
Office hours are in my office or by Zoom: `https://fairfield.zoom.us/j/5514910533`

Course Website `http://faculty.fairfield.edu/cstaecker/courses/2026s1172/`

Textbook Stewart, *Calculus*, 9th edition

Final Exam Tuesday, May 5, 3-6PM

Course Content

Topics include integration by substitution and by parts; areas between curves; volumes of revolution; inverse functions; logarithms and exponential functions; inverse trigonometric functions; indeterminate forms and L'Hospital's rule; improper integrals; and infinite sequences and series, including convergence tests, absolute and conditional convergence, power series, and Taylor series.

Homework

Homework is due every Wednesday evening at 11:59PM. The homework does not need to be submitted during the class meeting, any time before midnight on the due date is acceptable. Assignments are posted at the class website.

Students will get a grade on each assignment based on completeness and correctness of the answers, with partial credit given for wrong answers.

Late homeworks without excuse will lose 1/3 credit for each calendar day.

Mastery-based assessment

This is weird so pay attention!

Most of your grade is based on *topic mastery*. The course material has been broken down into about 25 different specific objectives to master. Each student's progress on each objective will be tracked in a checklist.

Students demonstrate their mastery of each objective by correctly answering questions on quizzes and in-class exams, each of which is clearly labeled as assessing one specific objective.

There is no penalty if a student answers a question incorrectly, but this objective will remain unmastered. The student can try again to master that objective by correctly answering questions on later in-class exams. Each in-class exam will include questions addressing *all* objectives covered so far, but students only need to answer questions covering objectives that they have not yet mastered.

Quizzes & mastery opportunities

Each Friday, a short quiz will be given at the beginning of class. The quiz will be an opportunity for students to earn mastery points on the new items for that week. Each quiz will consist of one question from each new mastery topic covered in the previous week.

Students who need to miss a quiz should contact the professor ahead of time to make arrangements. If you simply do not show up to a quiz without letting me know ahead of time, you probably will not be allowed to retake it.

Once every two weeks, students can make an appointment with the professor during office hours to attempt an "old" mastery question.

Students will not use calculators or any other electronic gadgetry during quizzes.

Dealbreakers

The most fundamental topics on the list are marked with stars. These are *dealbreakers*. You cannot pass the course unless you get at least 2 points on each of these.

Catch-up Exams

There will be 2 "catch-up" exams, completed during regularly scheduled class time on Friday March 20, and Wednesday April 29 (last day of class). These exams will take up the entire class period.

These are another chance to check off mastery items. One question from each mastery topic will appear on the exam, and Items which have already been mastered with full credit can be skipped entirely. Correct answers will earn mastery points exactly like the quizzes.

Exam makeups or rescheduling will be permitted only in extreme circumstances. If you simply do not show up to an exam without letting me know ahead of time, you probably will not be allowed to retake it.

Students will not use calculators or any other electronic gadgetry during exams.

Final Exam

The final exam is cumulative, and will be graded traditionally (not "mastery-based"). You must answer all questions, even the ones that you've already checked off of your list. Questions will be similar to our quiz questions, but with more opportunity for partial credit, and more questions which combine material across different topics.

Students will not use calculators or any other electronic gadgetry during the final exam.

Online submission

No assignments or tests will be submitted on paper. All work will be submitted online at Gradescope.com. Students will take phone pictures of their work and submit it to Gradescope.

Office hours

The Professor regards visits to office hours as part of the instruction for this course. Responsible students in this course are expected to visit the Professor occasionally for help with homework and other class material. Class assignments are meant to stretch the abilities of the students, and the Professor expects even the best students to benefit from individual discussion. Students are encouraged to come in small groups if they don't want to come alone.

Grading

Your course grade will be inspired by an average, with the lowest homework score dropped.

Mastery	60%
Homework	25%
Final Exam	15%

Should I show work?

The professor already knows the answers to the problems which are assigned, and so you do not need to tell him the answer. You need to demonstrate that you know how to derive the answer. Credit will not be given for answers which are given with no rationale or work shown, except in some rare cases where the problem is done entirely in your head.

Attendance

Attendance does not directly figure into your grade, so there is no penalty for missing class. Students who miss class are 100% responsible for making sure all assignments are still completed on schedule. The professor is happy to negotiate in case there are good reasons, but these negotiations must be initiated by the student.

Office hours

Counseling services

Fairfield University provides mental health services to support the academic and personal success and well-being of students. Counseling & Psychological Services offers confidential psychological services to help students manage personal challenges that may interfere with your well-being. Counseling & Psychological Services is free for full-time undergraduate students.

For help, contact Counseling and Psychological Services at (203) 254-4000 ext 2146.