

# Math 1121: Applied Calculus I

## Fall 2021

Section 05: TF 9:30-10:20, W 9-9:50, Bannow 139

Section 06: TF 12:30-1:20, W 1-1:50, Bannow 334

**Instructor** Chris Staecker

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Phone: x3323

Office Hours: TF 11:30-12:30, 1:30-2, W 12-1 or by appointment

Office hours are in my office (Bannow GR16) or by zoom: <https://fairfield.zoom.us/j/5514910533>

**Course Website** Follow links from <http://faculty.fairfield.edu/cstaecker>

**Textbook** Lial, Greenwell, Ritchey, *Calculus with Applications*, eleventh edition

**Final Exam** Section 05: Tuesday December 21, 8AM

Section 06: Tuesday December 21, 11:30AM

### Course Content

Topics in this course include: foundations of the calculus; differentiation of algebraic, exponential, and logarithmic functions; extrema and curve sketching; applications of derivatives; antiderivatives; the Fundamental Theorem of Calculus; and integration of algebraic functions.

### Class Format

The course is mostly taught using the “flipped” paradigm. This means that students will listen to “lectures” outside of class time by watching recorded videos of the professor on YouTube. For our in-class time, we will work on homework problems and practice for the quizzes and tests.

### Homework

Homework is due on the day of every class meeting! The homework does not need to be submitted during the class meeting, any time before midnight on the due date is acceptable. Assignments are at the class website.

Late homeworks without excuse will lose 1/3 credit for each calendar day. The homework pace is aggressive! Don't get left behind.

### Quizzes

At the beginning of each class on Friday, a short quiz will be given, covering that week's material. Quiz questions are meant to be similar to the easier textbook questions. Missed quizzes will only be excused with good reasons.

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

## Exams

There will be 3 midterm exams, completed in-person during regularly scheduled class time on October 1, October 29, and November 19. Exam makeups or rescheduling will be permitted only in extreme circumstances.

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

The three midterm exams will be weighted equally in your course grade, with the final exam weighted double. The final exam will be cumulative, but the midterm exams will not be.

## Online submission

No assignments, quizzes, 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.

## Extra credit

The Professor will not entertain requests for extra credit work. Students whose grades have fallen late in the term because of lack of effort or discipline early in the term are especially discouraged from asking for extra credit. Any such requests will be denied with extreme prejudice.

## Grading: Choose your own ratios

Your course grade will be inspired by an average, with the lowest quiz and homework scores dropped. The grading is in three categories, and each student will choose their own ratios for the grades.

Homework	??%
Quizzes	??%
Exams	??%

Sometime on or before September 22, each student must email the professor with their preferred grade ratios. Choose a percentage for each category. The rules are:

- The three percentages must add to 100%
- Each of the three categories must be in the range of 20% – 60%
- You can't change your mind later!

If you never notify me, you will default to exactly 33% for each category.

## 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.