

Spring 2026 FoAM MATH:307

INSTRUCTOR: Dr. Stefan Forcey

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OFFICE: CAS 275

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OFFICE HOURS: MoTuWe 2pm-3pm. Lots more by appointment!

Text and Coverage: Mathematical Proofs – A Transition to Advanced Mathematics, by Chartrand, Polimeni, Zhang, 4th edition, (second or third edition okay.)

Website for schedule, homework problems and announcements:

https://sforcey.github.io/sf34/class_home/foam/foams26.htm

GRADING POLICY:

- The quiz/homework average will be calculated by dropping a total of 15 raw quiz points which means that I'll calculate your percentage by first adding up to 15 points back on to your raw score, limited by the maximum number of hw/quiz points possible. This will have the effect of making a 100% quiz average possible despite some missed homeworks/quizzes.
- There will be 2 in-class closed book tests and the final exam during the semester over the material from lectures, homework and the book. No test may be taken early or late.
- 1000 points possible. For each of these three categories the fraction of points you receive is the same fraction that you earn out of the total possible. If you get 4/5 of the problems correct on test 1, you earn $(4/5)*300 = 240$ points.

100 pts: Homework, quizzes (10%)
600 pts: 2 Tests at 300 pts each. (60%)
300 pts: Final Exam (30%)

900 pts. guarantees an A
800 pts. guarantees a B
700 pts. guarantees a C
600 pts. guarantees a D
(+,- at my discretion)

Course Outline:

- Jan. 12: Day one.
- Jan. 19: No class on MLK day..
- Chapter 1 : Sets.
- Chapter 2,3 : Logic and Proofs.
- Jan. 25: Last day to drop.
- Feb. 17: No class, Pres. Day (Tues)..
- TEST 1.
- Chapter 4,5,6 : More Proofs.
- Mar. 1: Last day to w/draw.
- Chapter 4: Linear Transformations
- Chapter 5: Eigenvalues
- TEST 2.
- Mar. 23-27: Spring break.
- Chapter 9,10,13 : Relations and Combinatorics
- May 1: Last day.
- Test 3, the final exam.

No notes, formula sheets or books may be used on the any test or the final exam.

Homework may not be copied, but collaboration and research are allowed. All other work is individual. Any incidence of academic dishonesty carries a minimum penalty of a non-removable zero for that work. No active cellular phones, pagers, media players, computers or other electronic communication devices are permitted during the tests.

For information on "WHAT STUDENTS NEED TO KNOW," go to [What Students Need To Know : The University of Akron, Ohio \(uakron.edu\)](http://What%20Students%20Need%20To%20Know%20%3A%20The%20University%20of%20Akron,%20Ohio%20(uakron.edu)) (see the list of items below).

- The Student Code of Conduct and academic misconduct
- Statement about the ethical use of ChatGPT and other AI tools
- Inclusive Excellence
- Title IX
- Sexual harassment and sexual violence
- Students with disabilities
- Religious accommodations for students
- ZipAssist