

Fundamentals of Advanced Mathematics MATH:307

INSTRUCTOR: Dr. Stefan Forcey

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OFFICE HOURS: MTuW 1:00-2:00

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/foams25.htm

GRADING POLICY: The following points/percentages will be used in grading:

100 pts: Homework, quizzes (10%)

90% guarantees an A

600 pts: 2 Tests at 300 pts each. (60%)

80% guarantees a B

300 pts: Final Exam (30%)

70% guarantees a C

60% guarantees a D

Course Outline with dates:

- Jan 13. Day one. (Jan 19: Last day to add.)
- Jan. 20: No class on MLK day.
- Chapter 1 : **Sets**.
- Chapter 2,3 : **Logic and Proofs**.
- Jan. 26: Last day to drop.
- **TEST 1 Midterm**.
- Feb. 18: No class on Pres. day.
- Chapter 4,5,6 : More **Proofs**.
- Mar. 2: Last day to w/draw.
- Chapter 7,8,12 : Even **More proofs**.
- **TEST 2 Midterm**.
- Mar. 24-30: Spring break..
- Chapter 9,10,13 : **Relations and Combinatorics**.
- May 4: Last day.
- **TEST 3 Comprehensive Final Exam**.

Evaluation Procedure:

• When graded, quizzes and homework will be given a grade out of ten points, where full credit will be assigned when the graded problems (if any) have correct answers with all correct work shown. Points may be subtracted for each graded problem with an incorrect answer, incorrect work, or not all work shown. The quiz/homework average will be calculated by dropping a total of 15 homework points.

• **No notes, formula sheets or books may be used on the Final or any test.**

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 in the classroom. Usage of or an attempt to use any of these devices during exams carries a minimum penalty of a non-removable zero for that exam.

• For information on “WHAT STUDENTS NEED TO KNOW,” go to

<https://www.uakron.edu/oaafaculty-affairs/What-students-need-to-know> for:

• 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