

MATH 114S: INTRODUCTION TO SET THEORY

1. COURSE DESCRIPTION

From the course catalog: Axiomatic set theory as framework for mathematical concepts; relations and functions, numbers, cardinality, axiom of choice, transfinite numbers.

2. TEXTBOOK

Yiannis Moskovakis, Notes on Set Theory. Second edition.

3. LECTURE AND DISCUSSION

Lectures are Monday, Wednesday and Friday, 12-12:50 and Discussion is Thursday 12-12:50. Both will be in MS 5118.

4. INSTRUCTOR INFORMATION

Instructor: Spencer Unger

- Office: MS 7336
- Email: sunger@math.ucla.edu
- Office hours: Wednesday 2-4 or by appointment.

Teaching Assistant: John Susice

- Office: MS 2963
- Email: jpsusice@ucla.edu
- Office hours will be announced.

5. EVALUATION AND GRADES

5.1. **Homework.** Non-exam related evaluation will take the form of homework exercises. Homework will be assigned each Friday and due the following Friday. The only exception will be the first week of class where homework will be announced Monday and due Friday. The homework is intended to be difficult and to push your understanding of the material. Ample hints will be given. Homework will be worth 20% of your final grade.

5.2. **Midterm Exams.** There will be two midterm exams. The first will be on Monday January 25th. The Second will be on Monday February 22nd. The midterms will be during the usual class time and in the usual classroom. Each midterm exam will be worth 20% of the final grade.

Those with religious conflicts should see me in the first two weeks of the quarter. You are allowed to miss a midterm exam in the case of a documented medical illness. No make-up exam will be given. In such a case the final exam score will be used to replace the missed midterm exam score.

5.3. **Final Exam.** The final exam will be given on Wednesday, March 16 from 11:30AM to 2:30PM. The room for the final exam will be announced in class and on CCLE. The final is worth 40% of the overall grade. You may not miss the final exam. Missing the final exam will result in an 'F' grade.