

**UC Irvine MATH 140A Fall 2022 MWF 10:00 - 10:50 AM, Room: SSTR 103**

**Course:** The section number is 44722. We will be using Canvas as the main hub of the course, which will have homework assignments, lecture outlines, etc. This is officially an in-person course, attendance to lecture and discussion sections is required. Exams and quizzes must be taken in-person. First lecture: Friday, September 23.

**Instructor:** Dr. Jeff Viaclovsky, jviaclov@uci.edu. Office hours: Mondays and Wednesdays 11AM–12PM, or by appointment, in Rowland Hall 440G.

**Prerequisites:** (MATH 2D or MATH H2D) and (MATH 3A or MATH H3A) and MATH 13. MATH 13 with a grade of C- or better.

**Textbook:** *Elementary analysis: the theory of calculus, second edition*, by Kenneth A. Ross.

**Course Objectives:** This course is an introduction to real analysis, the real numbers, sequences and series, and continuity. Many of these topics were introduced in previous courses, but in this course we will *prove* everything.

**TA:** Arghya Rakshit, arakshit@uci.edu. Office hours: Tuesdays and Thursdays 5:00–6:00PM, or by appointment, at Rowland Hall 440T.

**Discussion Section:** There are 2 discussion sections, which are in-person, and attendance is required. Section B1 (44724) meets on TuTh 3:00–3:50PM, in RH 114. Section B2 (44725) meets on TuTh 4:00–4:50PM in MSTB 114. You may only attend the discussion section in which you are registered. First discussion: Tuesday, September 27.

**Attendance Policy:** In-person attendance of lectures and discussions is required.

**Course Outline:** Most of Chapters 1-3 in Ross will be covered.

- Homework: usually due on Thursdays, at the **beginning** of discussion. First assignment TBA. One homework will be dropped.
- Quizzes (in-discussion, 20 minutes each): TBA. One quiz will be dropped.
- Midterm Exam (in-class, 50 minutes): Friday, November 4.
- Final Exam (2 hours): Monday, December 5, 10:30AM – 12:30PM. Location: SSTR 103.
- Grading: Homework: 20 %, Quizzes: 20%, Exam I: 20%, Final Exam: 40%. Letter grades are the standard cutoffs 90, 80, 70, 60.

**Exam/Quiz/Homework Information:** The mid-term exam and final exam must be taken **in-person**. Quizzes will be held in the discussion section, and must be taken **in-person**. Homeworks will be due at the **beginning** of discussion. If you cannot attend discussion on the day the homework is due, please make arrangements directly with your TA to get it to them **before** that discussion. You will not be allowed to hand it in after the discussion, because the TA will be going over some solutions in that discussion.

**Academic Honesty:** Cheating will not be tolerated. All submitted work must be your own work. Exams and quizzes will be closed-book; do not use any notes, calculators, phones, etc., during the exams/quizzes. You are welcome to discuss homework with classmates, but submitted homework must be in your own words. **Warning:** we will be doing plagiarism searches to check for any solutions copied from internet sources.