Syllabus for Math 201A, Real Analysis, Fall 2019

Course: Math 201A, Real Analysis.
Time: MTWR: 11:00am-12:15 pm.
Place: GIRV 1116.
Instructor: Davit Harutyunyan
Instructor Office: South Hall 6504
Instructor Email: harutyunyan@math.ucsb.edu
Office Hours: Tuesday, Thursday: 1:00pm-2:30pm, or by appointment.
Course Reader: Ashwin Trisal, Email: atrisal@math.ucsb.edu, Office: South Hall 6431K.

Course Goals: The first part of this course is to introduce students to basic concepts of measure theory, including Lebesgue, Borel, and Radon measures. The second part will cover fine properties of measurable functions, integration theory, and differentiation of integrals.

Homework: Homework will be assigned every week and the HW problems will be posted on gaucho space every week. Each completed HW must be handed in on the due date right after class. Late homework (no later than 1 week) may be accepted in case of emergencies, but must not become frequent.

Exams: There will be a Midterm on November 14th at the regular class time (11:00am-12:15pm), and a Final exam on December 11th at 12:00pm-3:00pm. No make ups will be given for missed exams except in cases of documented medical emergencies. If such an emergency occurs, the student must contact the instructor as soon as possible in order to arrange a time for a make up. No make ups will be given after graded tests are returned.

Course Grading: The Final grade is based on the homework, the midterm and the final exam. The homework counts 20%, the midterm counts 30%, and the final counts 50%.

Letter Grades: A ∈ [93, 100], A− ∈ [89, 92], B+ ∈ [85, 88], B ∈ [80, 84], B− ∈ [76, 79], C+ ∈ [70, 75], C ∈ [62, 69], C− ∈ [54, 61], D+ ∈ [45, 53], D ∈ [32, 44], D− ∈ [20, 31], E ∈ [0, 19].