SYLLABUS
ANALYSIS (MATH 131A)
WINTER 2018

GENERAL INFORMATION

• Lectures: Monday, Wednesday, Friday, 9:00-9:50 AM at MS 5117.

• Instructor: Omprokash Das, Email: das@math.ucla.edu.

• Office Hours: Monday, Wednesday, Friday 4:00-5:00 PM or by appointment at my office MS 6617F.

• Course Webpage: https://www.math.ucla.edu/~das/131a.5.18w

• TA: Eric Primozic, Email: eprimozic@math.ucla.edu.

• TA Meetings: Tuesday, 9:00-9:50 AM at MS 5147.

COURSE STRUCTURE


• Course Outline: This is a first course in mathematical analysis. We will make a rigorous study of the foundations of calculus, including limits, derivatives, and integrals. Proofs and proof techniques will be emphasized. For more detailed description of the course and tentative lecture schedule follow this link: https://www.math.ucla.edu/ugrad/courses/math/131A. We will cover Sections 1-5, 7-12, 14-15, 17-20, 28-29, 31-34 of the textbook.

• Homework:
  – There will be weekly Homework due on Friday at the beginning of the class.
  – Homework problems will be posted regularly on the Course Webpage.
  – Collaboration: Collaborating on homework is not only allowed but encouraged for this class. However you must abide by the following rules of collaboration:
    * The First Rule of Collaboration (on contrary to the first rule of ‘Fight Club’) is, you must talk about your collaborators, i.e., you must acknowledge your collaborators in your homework.
    * Make sure you understand how a particular problem is being solved. Don’t just copy solutions from your friends, discuss among yourselves about possible strategies on how to solve a particular problem and exchange ideas.
    * Finally, write the solutions in your own words, do not copy word by word from someone else.
    * At the top of each homework, you may mark a problem you wish to be given detailed feedback on. We will read your proof carefully and give you detailed feedback so that you
can get better at writing proofs.

* No collaboration is allowed for the midterms and the final exam.

  – **There will be NO makeup or Late homework accepted.** However, one lowest homework score will be dropped at the end of the quarter.

- **Exams:** There will be two Midterms (50 minutes each) and one cumulative/comprehensive Final exam (3 hours).

- **There will be No make up Exams.**

- **If you do not take the Final Exam, you will get an ‘F’**.

- Your homework and exam grades will be posted regularly on the myUCLA Gradebook.

- **Laptops and Cell Phones:** Use of Laptops, Cell Phones or any type of electronic gadgets is **strictly prohibited** during the lecture. In case of an emergency please take your ‘conversation’ out of the class.

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**Grading**

- **Grading Policy:** Grades will be assigned based on the higher of the following two schemes:

  
  \[
  20\% \text{ Homework} + 20\% \text{ Midterm 1} + 20\% \text{ Midterm 2} + 40\% \text{ Final Exam} \\
  \text{or} \\
  20\% \text{ Homework} + 30\% \text{ (Best of two Midterms)} + 50\% \text{ Final Exam.}
  \]

- **Curving:** At the end of the quarter, the final weighted scores will be curved appropriately to match the following statistics:

  28\% A (including $A^+, A$, and $A^-$), 32\% B (including $B^+, B$, and $B^-$), and 31\% C (including $C^+, C$, and $C^-$).

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**Exams**

- **Exam Dates:**
  
  – First Midterm: Wednesday, January 31, 9:00-9:50 AM.
  – Second Midterm: Wednesday, February 28, 9:00-9:50 AM.
  – Final Exam (Cumulative/comprehensive): Wednesday, March 21, 11:30 AM-2:30 PM.

  – **Location:** Midterm will take place in our regular lecture room. Location for the final exam will be announced later.

- **Important Note:** If you believe a problem on homework or exam has been graded incorrectly, or that your score was not correctly recorded in the MyUCLA gradebook, you must bring this to the attention of the instructor within 7 calendar days of the due date of the assignment in question, or the date of the exam, and before the date of the final exam. Grading complaints not initiated within this period of time will not be considered. Please verify in a timely manner that your scores are correctly recorded on MyUCLA.