

MATH 245A, FALL 2021

WILFRID GANGBO

1. This course meets online for lectures on MWFs from 11am to 11:50am (access the Zoom link from your CCLE account). The course will be based on the book *Measure Theory and Fine Properties of Functions, Revised Edition*, by Lawrence C. Evans and Ronald F. Gariepy. This course is about general measure theory. We will cover measurable functions, Lusin's and Egoroff's theorems, integrals and limit theorems, Fubini's theorem, L^p -spaces.

2. My office is MS 7945, and my office hours will be MFs from 1:30pm to 2:30pm. I will have online hours by Zoom (accessible from your CCLE account) on W's from 1:30pm to 2:30pm. I may be reached by email at wgangbo@math.ucla.edu but you can also meet me by appointment.

3. **Homework and Recorded Lectures.** Homework will be assigned and collected every other week. It will be graded and promptly returned to you, usually the following week. The assignments will be announced in class well in advance, and posted on the course website. Your score on each homework assignment will be based on a few randomly chosen problems. **Late homework will not be accepted.** The HW problems and recorded lectures can be found at my website

<http://www.math.ucla.edu/~wgangbo/academic/math245A/>

or in the shared folder at

<https://ucla.box.com/s/zdnxao1bq33dgzr9cmcqf1gtcqgijkl6w>

4. **Grading.** Your final average in this class will be computed as the maximum of the following schemes:

Scheme 1:	Scheme 2:
Homework: 15 %	Homework: 40 %
Midterm: 35 %	
Final Exam: 50 %	Final Exam: 60 %

The final letter grades will be based on the overall average at the end of the quarter, according to the following scheme: 90% or above – at least an A, 80 % or above – at least a B, 70 % or above – at least a C, 60 % or above – at least a D, below 30 % – F. I may "curve up", but scores below 30 % will not be curved up to pass.

5. **Exam.** During the exams, you may not use notes, calculators, cell phones, or anything other than paper and pen/pencil. **There will be no make-up for missed midterm.** If you miss the midterm for a legitimate, documented reason, your grade will be computed using the second grading scheme above. **You must take the final exam in order to pass the class.** Make-ups for the final exam are permitted only under exceptional circumstances, as outlined in the UCLA student handbook. Please bring a photo ID to every exam. The tentative date for the midterm is Monday 25 October 2021.

6. Your TA is Ben Johnsrude; Email: johnsrude@math.ucla.edu

7. **Academic integrity.** See <http://www.deanofstudents.ucla.edu/Student-Conduct>

8. **Notes.** You are not allowed to use cell phone in the classroom. Your homework should be your own work and you are not allowed to copy from your classmate.

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