MATH 501
Analysis, Fall 2020

Instructor: Ozcan Yazici

Office Hours: TBA

Course Description: General measure and integration theory, convergence theorems, product measures, Fubini's Theorem, decomposition of measures, Radon-Nikodym Theorem, L^p spaces.

Textbook Real Analysis, by G. Folland. We will cover most of the chapters 1,2,3,6.

Other reference books:

H.L.Royden, Real Analysis.

R.Wheeden, A.Zygmund, Measure and Integral.

Exams and Grading: Hw 30%, midterm 30%, final exam 40% (It may be in the form of oral exam).
Attendance Policy: Students are expected to attend all the lectures.