INFORMATION

Course: Math 325.

Instructors: Alexandru Ionescu, Office 705, aionescu@math.princeton.edu, Ruixiang Zhang, Office 409, ruixiang@math.princeton.edu.

Grader: Xuecheng Wang.


Office hours: Alexandru Ionescu in Room 705 on Wednesday 2–3.


Main Topics: Fourier series, summability and convergence, applications of Fourier series, the Euclidean Fourier transform, the Plancherel formula and the Poisson summation formula, Dirichlet’s theorem.

Grading: Your course grade will be determined on the following components:
• 6 problem sets (20 points each)
• attendance (20 points)
• in-class midterm exam (30 points)
• final exam (50 points)

Problem Sets: Each problem set will be posted on my website approximately a week before it is due. Problem sets are to be handed in on the due date. You may work with other students on the problem sets, but you must write up your own solutions.

Late Homework Policy: Late problem sets will not be accepted. However, the lowest of your 6 problem set grades will not be counted.

Information: All the handouts will be posted on my website: http://www.math.princeton.edu/~aionescu/Math325.html.