

## INFORMATION

**Course:** Math 215.

**Instructor:** Alexandru Ionescu, Office 705, aionescu@math.princeton.edu.

**Preceptor:** Kexin Jin, kexinj@math.princeton.edu.

**Grader:** Jia Shi, jiashi@math.princeton.edu.

**Undergraduate Assistants:** Gemma Zhang and Christopher Ye.

**Lectures:** Tu–Th 11:00–12:20 in Room Fine 401;  
Fr 11:00–11:50 in Room 801.

**Office hours:** Alexandru Ionescu in Room 705 on Wednesday 11:00–12:00;  
Kexin Jin outside Fine Hall Library on Tuesday 5:00–6:00.

**Textbooks:** Principles of Mathematical Analysis (third edition) by W. Rudin;  
The Real Analysis Lifesaver by Raffi Grinberg.

**Main Topics:** Limits, convergence of sequences and series, continuity and differentiability of functions, integration.

**Grading:** Your course grade will be determined on the following components:

- 10 problem sets (20 points each)
- attendance (20 points)
- midterm exam (100 points)
- final exam (200 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 10 problem set grades will not be counted.

**Information:** All the handouts will be posted on my website:  
<https://web.math.princeton.edu/~aionescu/Math215.html>.