

INFORMATION

Course: Math 721.

Instructor: Alexandru Ionescu, Office 619, ionescu@math.wisc.edu.

Lectures: Tu–Th 9:30–10:45 in Room B-105.

Office hours: Alexandru Ionescu in Room 619 on M–W 10:00–11:00.

Textbook: Real and Complex Analysis, by W. Rudin. Third Edition (1987).

Main Topics: Measure and integration, L^p spaces, elementary Hilbert space theory, the Fourier transform.

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

- 7 problem sets (20 points each)
- attendance (20 points)
- take-home final exam (60 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.

Information: All the handouts will be posted on my website:
<http://www.math.wisc.edu/~ionescu/Math721.html>.