

Real Analysis - Math 525

INSTRUCTOR INFORMATION:

Instructor: Tatiana Toro
Office: Padelford C-343, Phone: 543-1173.
E-mail: toro@math.washington.edu
Office hours: Wednesday 12:30-1:30 or by appointment.

TA INFORMATION:

TA: Dali Nimer
Office: Padelford C-8J
E-mail: nimer@math.washington.edu
Office hours: Tuesday 3:45-4:45, Friday 10-11 or by appointment.

TEXTS:

- Real Analysis, Folland, 2nd Edition [F]
- Real Analysis, Measure Theory, Integration & Hilbert Spaces, Stein & Shakarchi [SS]

RESERVE LIST:

- Real Analysis, Folland, 2nd Edition [F]
- Real Analysis, Measure Theory, Integration & Hilbert Spaces, Stein & Shakarchi.
- Real Analysis, Royden, 3rd Edition
- Real and Abstract Analysis, Hewitt & Stromberg.
- Real and Complex Analysis, Rudin.
- Functional Analysis, Rudin.
- Functional Analysis, Yosida.

SYLLABUS:

- Differentiation and Integration of measures: [F] Ch 3.
- Point set topology: [F] Ch 4.
- Elements of Functional Analysis (including Hilbert spaces): [F] Ch 5.
- L^p spaces: [F] Ch 6

GRADING POLICY:

- Homework 50%. There will be 9 weekly homework assignments due on Wednesday no later than 1:30pm.
- Final Exam 50%.

IMPORTANT DATE: Final exam, Wednesday March 18, 2015 2:30-5:30

REMARKS: There will be no class on Monday January 19 and on Monday February 16.