

# Syllabus for MATH 608\_600, Spring 2005

**Instructor:** Dr. Ronald G. Douglas, Milner 231  
Phone: 845 7241  
Email: [rdouglas@math.tamu.edu](mailto:rdouglas@math.tamu.edu)

**Office hours:** TW 2:00-3:00 PM or by appointment

**Class time and place:** TR 8:00-9:15 AM, BLOC 156

**Topics covered:** Point set topology, elements of functional analysis,  $L_p$  Spaces, and Radon measures.

**Prerequisites:** MATH 607 or equivalent.

**Text:** Gerard B. Folland, Real Analysis, 2<sup>nd</sup> ed., Wiley-Interscience, New York, 1999.

The course will cover most of Chapters 4-7 and perhaps part of other chapters. A more detailed description of the course contents can be found in the "Syllabus for the Qualifying Exam in Real Analysis."

**Evaluation:** 1) Weekly Homework – 35%; 2) Midterm Exam on October 11 – 25%; Final exam, May 8, 1-3 PM – 40%.

**Attendance and Make-up:** Students are responsible for material covered in the lectures as well as the material in the textbook. Make-ups for homework or exams (or satisfactory equivalents) will be given only in cases authorized under TAMU Regulations or for which arrangements have been made in advance. If you miss an exam, contact me as soon as possible.

**Scholastic Dishonesty:** Students may work together and discuss the homework problems with each other. However, copying work done by others is an act of scholastic dishonesty and will be prosecuted to the full extent allowed by University policy. For more information on university policies regarding scholastic dishonesty, see University Student Rules and the Aggie Honor code: "An Aggie does not lie, cheat or steal or tolerate those who do." For more information see the Honor Council Rules and Procedures on the web at <http://www.tamu.edu/aggiehonor>.

**Students with Disabilities:** The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you believe you have a disability requiring an accommodation, please contact Services for Students with Disabilities, Koldus 126, 845-1637.