

SYRACUSE UNIVERSITY
MAT 701 SYLLABUS, FALL, 2012

Instructor Professor Philip Griffin
Carnegie 304C
443-1480
psgriffi@syr.edu

Office Hours M,W 9:00-10:30 and by appointment.

Text Real Analysis for Graduate Students, by Richard Bass. Free download available at <http://homepages.uconn.edu/~rib02005/real.html>

Course Content Chapters 1-15. Topics include: sigma-algebras, outer measures, measures, Caratheodory extension theorem, measurable functions, integration, limit theorems, comparison of Lebesgue and Riemann integrals, modes of convergence, product measures, Fubini's theorem, signed measures, Hahn-Jordan decomposition, Radon-Nikodym theorem, differentiation, L_p spaces and their duals. Other topics as time permits.

Grading Homework, midterms and a final exam will be used to determine your grade for the course. You may discuss the homework problems with each other, but you must write up your own solution to hand in.

Students with Disabilities If you believe that you need accommodations for a disability, please contact the Office of Disability Services (ODS), <http://disabilityservices.syr.edu>, located in Room 309 of 804 University Avenue, or call (315) 443-4498 for an appointment to discuss your needs and the process for requesting accommodations. ODS is responsible for coordinating disability-related accommodations and will issue students with documented disabilities Accommodation Authorization Letters, as appropriate. Since accommodations may require early planning and generally are not provided retroactively, please contact ODS as soon as possible.

Academic Integrity The Syracuse University Academic Integrity Policy holds students accountable for the integrity of the work they submit. Students should be familiar with the Policy and know that it is their responsibility to learn about instructor and general academic expectations with regard to proper citation of sources in written work. The policy also governs the integrity of work submitted in exams and assignments as well as the veracity of signatures on attendance sheets and other verifications of participation in class activities. Serious sanctions can result from academic dishonesty of any sort. For more information and the complete policy, see <http://academicintegrity.syr.edu>

Cell Phones Cell phones should be turned off and put away during class.