MAT 512 Spring 2017 MW 3:45-5:05 CARN 114

Instructor Dr. G. C. Verchota, Professor of Mathematics, 316C Carnegie, phone 3-1579, email gverchot@syr.edu Office hours: M 8:00-9:30am, T 8:30-10:00am, and by appointment.

Prerequisites MAT 412 or graduate standing.

Book *An Introduction to Analysis* Wade , Prentice Hall, fourth edition.

Course Content Chapters 5-7 and multidimensional theory as time allows, Riemann integration, infinite series, uniform convergence of function series, power series.

Grading There will be two midterm exams (25% apiece) on February 22 and April 5, a final exam (25%), and weekly written homework/quizzes (25%).

Final Exam: Thursday, May 4, 3pm-5pm.

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. You are also welcome to contact me privately to discuss your academic needs although I cannot arrange for disability-related accommodations. Making arrangements with ODS takes time. Do not wait until just before the first test.

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://academic integrity.syr.edu

On any homework you may work together and discuss problems and their solutions, but you must write your solutions individually. What you write must reflect your own understanding of the problems. Copying a homework solution, in part or in full, is considered a violation of academic integrity.

Religious observances policy. SU religious observances policy recognizes the diversity of faiths represented among the campus community and protects the rights of students, faculty, and staff to observe religious holidays according to their tradition. Under the policy, students are provided an opportunity to make up any examination, study, or work requirements that may be missed due to are religious observance provided they notify their instructors before the end of the second week of classes. For fall and spring semesters, an online notification process is available through MySlice (Student Services – Enrollment – My Religious Observances) from the first day of class until the end of the second week of class.