

## MAT 601, Fall 2012

MWF 11:40-12:35, Carnegie 300

**Instructor:** Dan Coman, 317D Carnegie, phone 443-1496, dcoman@syr.edu  
Office hours: MWF 1:30-2:30

**Course Description:** Real and complex numbers, topology of metric spaces, numerical sequences and series, continuity, differentiation.

**Textbook:** *Principles of Mathematical Analysis*, by W. Rudin, 3rd ed., McGraw-Hill, Inc., 1976. We will cover Chapters 1-5.

**Exams and Grading:** The course grade will be based on 2 semester exams (20% each, given in class) on **Friday 10/12**, and **Wednesday 12/5**, a final exam (40%) on **Friday 12/14, 3-5 PM**, and homework problems (20%). *There will be no make-up exams and late homework will not be accepted.* All exams are closed books and closed notes. The final exam is comprehensive. The exams will consist of solving problems and of theoretical questions on the material covered (i.e. definitions of important concepts, relevant examples, statements and proofs of theorems).

**Homework:** Solving the homework problems is crucial for succeeding in this course. Assignments will be collected regularly, as announced in class. Students are encouraged to solve all problems from the textbook, not only those assigned as homework. It is important that after each class you read and understand the material covered from the textbook and your notes.

**Attendance:** Attendance is required. Students are responsible for all the announcements made in class (about exams, assignments, due dates, changes of schedule, etc). If you miss a class, you are responsible for obtaining notes for that class from a student who attended.

**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. Making arrangements with ODS takes time. Do not wait until just before the first test.

**Academic Integrity:** Syracuse University sets high standards for academic integrity. Those standards are supported and enforced by students, including those who serve as academic integrity hearing panel members and hearing officers. The presumptive sanction for a first offense is course failure, accompanied by the transcript notation Violation of the Academic Integrity Policy. The standard sanction for a first offense by graduate students is suspension or expulsion. Students should review the Office of Academic Integrity online resource Twenty Questions and Answers About the Syracuse University Academic Integrity Policy and confer with instructors about course-specific citation methods, permitted collaboration (if any), and rules for examinations. The Policy also governs the veracity of signatures on attendance sheets and other verification of participation in class activities. Additional guidance for students can be found in the Office of Academic Integrity resource: What does academic integrity mean?

Related links:

The Academic Integrity Policy: <http://academicintegrity.syr.edu/academic-integrity-policy/>

Twenty Questions and Answers about the Academic Integrity Policy:  
<http://academicintegrity.syr.edu/faculty-resources/>

What does academic integrity mean?:

<http://academicintegrity.syr.edu/what-does-academic-integrity-mean/>

**Religious Observances Policy:** Syracuse University's religious observances policy, found at [http://supolicies.syr.edu/emp\\_ben/religious\\_observance.htm](http://supolicies.syr.edu/emp_ben/religious_observance.htm), recognizes the diversity of faiths represented among the campus community and protects the rights of students, faculty, and staff to observe religious holy days 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 from the first day of class until the end of the second week of class.