

MAT 512, Introduction to Real Analysis, Fall 2010

Instructor: Professor Claudia Miller

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Course Web Page: phy.syr.edu/~clamille/512.html

Office Hours: TBA (first week: by appointment or drop by)

Text: *Introduction to Real Analysis*, 3rd Edition, by Bartle and Sherbert

Prerequisite: MAT 412.

Course Description:

Continuation of the foundations of calculus begun in MAT 412, again with an emphasis on developing proof writing skills.

Topics (as time permits): continuity and its applications, uniform continuity, differentiation, Riemann integration, and sequences of functions.

Homework:

“What we have to learn to do, we learn by doing.” – Aristotle

★ The regular graded homework assignments are crucial to your development. Working independently on them will probably help you to learn much more effectively and to do better on exams. The first serious attempt you make on each problem set should be alone and over some period of time. After that, you may work with others on it provided that you write up your solutions completely independently – that is, in your own words. ★

Please do come see me for help!

Absolutely no late homework will be accepted.

Exams:

There will be approximately three midterm exams and a cumulative final exam. Dates will be announced in class. There will be no make-up exams.

Final Exam:

The final exam is scheduled for Monday December 13, 2010, 12:45 – 2:45 pm. This is the only time this exam can be taken.

Grading: The final grades will be computed as follows:

Exams	50% total
Homework	25%
Final	25%

Attendance: Attendance is mandatory in this course.

Let me know soon:

Disabilities: Any student with disabilities for which some special considerations are necessary should contact the instructor in the first two weeks of class.

Sports: Any student whose involvement in a university sports team may affect attendance on any days, including exam or quiz days, should contact the instructor in the first two weeks of class and should keep the instructor updated in a timely fashion.

Religion: Any student whose involvement in a religion may affect attendance on any days, including exam or quiz days, should contact the instructor in the first two weeks of class and should keep the instructor updated in a timely fashion.

General Policies:

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>

Complete academic honesty is expected of all students. Any incidence of academic dishonesty, as defined by the SU Academic Integrity Policy, will result in both course sanctions and formal notification of the College of Arts & Sciences.