

Spring 2006

MATH 3100 Sequences and Series

- Time and Place:** TR 12:30-1:45, Boyd 303
- Instructor:** Tatyana (Tanya) Sorokina
- My e-mail:** sorokina@math.uga.edu
- My office:** Boyd 447
- Office Hrs:** TR 2:00-3:00, W 5:00-6:00, or by appointment
- Text:** Class notes
- Exams:** 3 exams, final
- HW:** HW will be assigned every class meeting, it will not be graded.
- Grading Policy:** Each exam 25%.
A $\geq 90\%$ > B $\geq 80\%$ > C $\geq 70\%$ > D $\geq 60\%$ >
- Calculators:** No calculators during exams and quizzes
- Midpoint Withdrawal Deadline:** March 7, Tu

Course Objectives: This course is an introduction to Mathematical Analysis. In addition to learning the theory of sequences and series, one of the main objectives of this course is to master rigorous mathematical proofs.

Topics: *Sequences:* general concept, sequences as functions, convergence, tools for computing limits. *Series:* series with nonnegative terms, series with terms of both signs, power series. *Sequences and Series of Functions:* uniform convergence, Taylor series.

Attendance: Not mandatory, but students are responsible for class notes.

Make-up Examinations: Possible, with prior agreement.

Academic Honesty: All academic work must meet the standards contained in "Culture of Honesty". Students are responsible for informing themselves about those standards before performing any academic work. See: www.uga.edu/ovpi/honesty/acadhon.htm

Note, that the course syllabus is a general plan for the course; deviations announced to the class by the instructor may be necessary.