Instructor: Lisa Berger  
Office: Math 4-105  
Email: lbrgr@math.sunysb.edu  
Web page: http://www.math.sunysb.edu/ lbrgr/  
Current Office Hours:  
  Mondays: 2:30-3:30 in P-143, 5:20-6:20 in 4-105  
  Wednesdays: 5:20-6:20 in 4-105  

Office hours may be adjusted to accommodate the instructor's schedule and/or student needs. Students unable to meet during scheduled office hours are encouraged to schedule an appointment with the instructor.

2.1. General Information. This is a course in real analysis. We will begin with a brief review of several topics in high school calculus, and we will then re-visit these topics from a more advanced level. We will study as many additional topics, including, but not limited to: Lebesgue integration, Fourier series and differential algebra, as time permits. One goal of the course is for students to make connections between high school and advanced mathematics, and this course will include both new and familiar topics; your goal should be to increase your depth of understanding of each topic studied. A primary focus of this course will be on understanding definitions, proof and writing mathematics. You should be prepared to work through a lot of problems, prove your results and write your work clearly and accurately.

2.2. Pre-requisites. A minimum pre-requisite for this course is completion of MAT 511. A strong background in undergraduate mathematics, including college calculus, is also assumed, and an undergraduate course in analysis is helpful.

2.3. Textbooks.  
We will be using the book Introduction to Real Analysis: An Educational Approach by William C. Bauldry. You may also be expected to refer to a high school or college calculus textbook. You should already have one; if not, I'd suggest borrowing one from the Stony Brook library, a public library or your high school campus.

2.4. Homework/Class Work/Quizzes.  
Homework is an essential component of the course. Homework will be assigned and collected regularly, and selected problems will be graded. Late homework will not be accepted. Announced and/or unannounced quizzes may be given, and there may be assignments completed and collected during class. Students are expected to be present for class, and missed quizzes or classwork may not be completed for credit. The
lowest 2 scores in the homework/classwork/quiz category will be dropped.

A significant part of doing mathematics is communicating mathematics. Homework is expected to be clear and grammatically correct, in addition to mathematically accurate.

You are encouraged to work together, but submitted written assignments must be your own work and represent your own understanding. If you consult any outside sources, these must be cited. If you need clarification on this policy, please ask.

2.5. Exams.
There will be two midterms exams and a final exam. Exam 1 is tentatively scheduled for Monday, February 20. Exam 2 is tentatively scheduled for Monday, March 26. The final exam is as scheduled by the University: Monday, May 14, 5:15-7:45.

2.6. Final Grades. Your final grades will be based on the following:
   (1) Exam 1: 20%
   (2) Exam 2: 20%
   (3) Homework/Quizzes/Classwork: 30%
   (4) Final Exam: 30%

2.7. Academic Integrity.
Each student must pursue his or her academic goals honestly and be personally accountable for all submitted work. Representing another person’s work as your own is always wrong. Faculty are required to report any suspected instance of academic dishonesty to the Academic Judiciary. For more comprehensive information on academic integrity, including categories of academic dishonesty, please refer to the academic judiciary website at http://www.stonybrook.edu/uaa/academic judiciary/. If you do not understand the policy on academic integrity, please ask for clarification.

2.8. Disability Support Services. If you have a physical, psychological, medical, or learning disability that may impact your course work, please contact Disability Support Services (631) 632 – 6748 or http://studentaffairs.stonybrook.edu/dss/. They will determine with you what accommodations are necessary and appropriate. All information and documentation is confidential.

Students who require assistance during emergency evacuation are encouraged to discuss their needs with their professors and Disability Support Services. For procedures and information go the the following website: http://www.stonybrook.edu/ehs/fire/disabilities/asp.

2.9. Critical Incident Management. Stony Brook University expects students to respect the rights, privileges, and property of other people. Faculty are required to report to the Office of Judicial Affairs any disruptive behavior that interrupts their ability to teach, compromises the safety of the learning environment, and/or inhibits students’ ability to learn.