

## MAT 319: ELEMENTARY ANALYSIS

### 1. ABOUT THIS COURSE

This course offers a rigorous discussion of the concepts used in the calculus courses. The list of subjects include: the real number system, limits of functions and sequences, differentiations, integration, and the fundamental theorem and series.

### 2. TEXT

*Elementary Analysis*

The Theory of Calculus

by

Kenneth A. Ross

*Remark 2.1.* Generally speaking, you should avoid the Campus Bookstore: often you will find what you need for substantial lower prices elsewhere.

### 3. HOMEWORK

Each week there will be homework questions assigned which will be graded. It is crucial that the student do the assigned homework exercises. During Recitation other exercises from the book will be discussed. There is an answer section at the of the book.

There are many exercises in the book and probably not all of them will be discussed in class. Nevertheless, ideally the student should do ALL exercises from the book. The exams (midterms and Final) will consist of exercises which are variation on the more difficult exercises from the book.

The Homework will be collected weekly during the Monday recitation.

## 4. EXAMINATIONS AND GRADING

There will be two Midterm exams held during class, and a final exam. The dates and times are listed below; the location of the final will be announced later. The material which will be on each exam can be found on the schedule.

Success on the exams will require the ability to find correct solutions to the more difficult exercises from the book.

	When	% of Final Grade
Homework	weekly due on Monday	15%
Midterm 1	see schedule	25%
Midterm 2	see schedule	25%
Final Exam	Wednesday, May 14      5:30–8:00 pm	35%

Make sure that you can attend the exams at the scheduled times; **make-ups will not be given**. Resolve any conflicts *now*.

## 5. OFFICE HOURS

The office hours are listed on the *Office Hours* section on the mat 319 webpage

[http://www.math.sunysb.edu/marco/MarcoMartens\\_files/MAT319/mat319.html](http://www.math.sunysb.edu/marco/MarcoMartens_files/MAT319/mat319.html)

You can also make appointments for other times.

## 6. DISABILITIES

If you have a physical, psychological, medical, or learning disability that may impact your course work, please contact Disability Support Services at

<http://studentaffairs.stonybrook.edu/dss/>

or (631) 632-6748. 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 to the following website:

<http://www.stonybrook.edu/ehs/fire/disabilities.shtml>

## 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 instances 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/academicjudiciary/>

## 8. 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, or inhibits students' ability to learn.