

## MAT 319-320: 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

### 3. HOMEWORK

Each week there will be homework questions assigned which will be graded. It is crucial that the students do the assigned homework exercises. During Recitation other exercises from the book will be discussed. For odd-numbered exercises, 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	March 1	25%
Midterm 2	see schedule	25%
Final Exam	Wednesday, May 11      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 for MAT 319/MAT 320 instructors are as follows:

Prof. Marco Martens: Tu, Thu 1-2pm in 4-113 Math

Prof. Olga Plamenevskaya: Tu 10-11:30am in P-143 Math; Thu 10-11:30 in 2-112 Math

TA El Mehdi Ainasse: Wed 4-5pm, Fr 11:30am-12:30 pm in MLC (S240A Math), Fri 2:30-3:30pm in Physics D107

TA Matthew Lam: Mon 1:00-3:00pm, Tu 6:00-7:00pm in MLC (S240A Math)

You can also make appointments for other times.

## 6. DIFFERENCE BETWEEN MAT319 AND MAT320

The first six weeks MAT319 and MAT320 are exactly the same. The classes will meet in the Library W4525. The first midterm will be held on March 1, in class. If your grade on the first midterm is above a certain cut-off., you can choose to follow MAT320. You can also decide to stay in MAT319.

MAT320 will discuss more material slightly more sophisticated than in MAT319. MAT320 is for the students who want to go further in math.

Olga Palmenevskaya will be teaching MAT319 starting in the seventh week.

Marco Martens will be teaching MAT320 starting in the seventh week.

The first three weeks will be taught by MM (MAT319/320 together).

Week 4,5, 6 will be taught by OP (MAT319/320 together).

## 7. 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>

## 8. 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/>

## 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, or inhibits students' ability to learn.