

MA 425 (Sec 002, Fall, 2019) MATHEMATICAL ANALYSIS I
10:40-11:30 MWThF SAS 1220 (Poe 422 Thursdays)

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Office Hours (SAS 3224): 9:30-10:15 W/Th or by appointment

Text: Introduction to Real Analysis (John Wiley & Sons, Inc, 2000, 4th edition)
by Bartle and Sherbert

The main topics in this course come from class notes and Chapters 1 – 7 of the text.

ATTENDANCE: This class meets on MWThF, lectures are given on MWTh and Fridays are mainly for problem session and quizzes (I may have some short lectures from time to time on Fridays). You are expected to attend all classes!

Your course grade will be determined from the following:

- **Homework & Quizzes (30%)**
- **Two Hour Tests (20% each)**
- **Final Exam (30%)**

The Midterm Test and the Final Exam are scheduled for the following dates:

First Hour Test – Friday, October 4 (during class period)
Second Hour Test – Friday, November 22 (during class period)
Final Exam – Wednesday, December 18 (8:00-11:00)

You are expected to take the hour tests and the exam at the scheduled time. Make-up tests are not given. An unexcused absence will result in the grade of zero for any missed test or exam. Excused absences from tests will be dealt with at the end of the term and may depend on individual circumstances. Anticipated absences should be reported and verified in advance, emergency absences must be verified within one week after returning to class. See the University Attendance Regulations
(www.ncsu.edu/policies/academic_affairs/pols_regs/REG205.00.4.php)

HW must be turned in on time and there are no make-ups given for the quizzes (the two lowest scores will be dropped).

HONESTY is expected on all work. When you turn in your exam, tests, projects and pop quizzes it is my understanding and expectation that you have neither given nor received unauthorized aid. You do not need to write the Honor Pledge (“I have neither given nor received unauthorized aid on this test or assignment”) on your paper, but it is assumed you followed this pledge by the submission of the paper. You may discuss HW assignments with other classmates, but you must write up and turn in the work yourself. Please see the University policy on academic integrity found in the Code of Student Conduct (www.ncsu.edu/policies/student_services/student_discipline/POL11.35.1.php)

Reasonable accommodation will be made for students with verifiable disabilities, please see the Academic Accommodation for Students with Disabilities Regulation (www.ncsu.edu/policies/academic_affairs/pols_regs/REG205.00.28.php)

Tests are based on material covered in class and in the textbook, and the final exam is comprehensive. The hour tests, quizzes, final exam and other assignments are graded on the basis of 100 points. Each problem on the paper will count for a portion of the points so that the total adds up to 100. Partial credit is normally given, but each error in procedure or computation will result in points taken off. Any error in a problem will result in at least 20% of the portion of points allocated to that problem (e.g. if a problem is worth 15 of the 100 points, then each error on that problem will count off at least 3 points).

IF YOUR FINAL NUMERICAL AVERAGE LIES IN ONE OF THE FOLLOWING RANGES, YOU WILL BE GUARANTEED AT LEAST THE GRADE INDICATED:

99-100	A+	91-98	A	90	A-
89	B+	81-88	B	80	B-
79	C+	71-78	C	70	C-
69	D+	66-68	D	65	D-
0-64	F				

THERE ARE TWO BASIC GOALS FOR THIS COURSE:

The first goal is for you to understand the fundamental concepts and topological properties of the real numbers so that you are able to understand and prove basic theorems and exercises involving real numbers. These ideas will be emphasized in the lectures, class discussions and assignments and will be assessed in the quizzes, tests, final exam and assignments.

The second goal is for you to understand and prove basic algebraic, calculus and topological properties of functions. This also will be emphasized in the lectures, class discussions and assignments and will be assessed in the quizzes, tests, final exam and assignments.