

MthSc 454, Advanced Calculus II (Real Analysis II)
Summer Session II, 2011
MTWRF 1:15–2:45
Martin E-004

General information

Instructor: Dr. Matthew Macauley
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Phone: (864) 656-1838
Office: Martin O-325
Office hours: (subject to change!) MWF 3:00-4:00, and by appointment
Text: *Introduction to Real Analysis*, by Manfred Stoll.
Web: I will post course material on my website.

Objectives

We will cover roughly chapters 6, 7, and 8 in the textbook. The main topics will be a rigorous mathematical treatment of Riemann integration and the Riemann-Stieltjes integral, and sequences and series of both real numbers and real-valued functions. Like most subjects of value, it is not easy and requires considerable work. Fortunately, it is generally true and it is certainly true in this case that the more you give to the course, the more valuable it will be to you in the long run.

Grading

Final grades will be determined by the following rubrik:

Homework	25%
Midterm 1	25%
Midterm 2	25%
Final exam	50%

I will drop either your lowest midterm, or half the weight of your final exam. There will be no make-up exams.

Letter grades will then be assigned by:

$$A \geq 90\% > B \geq 80\% > C \geq 70\% > D \geq 60\% > F$$

I reserve the right to adjust the grading scale in your favor. For example, a final grade of 90% will be an A regardless, but I may lower the A line to e.g., 88% if I deem appropriate.

Homework assignments will accumulate from lecture to lecture and will be due twice a week I will post the problems on my website. Late homework will *not* be accepted. If you cannot attend a class period for which homework is due, please make arrangements to have the homework delivered to me before the start of the class in which the homework is due. Also, if you miss a class, assume that some homework relevant to the missed class was assigned, and ask around or check online.

Exam dates (tentative)

Midterm 1: Thursday, July 14nd (in class)
Midterm 2: Tuesday, July 26th (in class)
Final: Tuesday, August 9th, 11:30-2:00pm.

Attendance

Attendance is mandatory. Students may leave after 15 minutes if the professor or a guest lecturer does not arrive in that time.

Laptops, cell phones, PDAs

All use of cell phones, and typing on laptops is prohibited during lecture. Calculators, cell phones, laptops, and PDAs will not allowed during exams.

Academic integrity

As members of the Clemson University community, we have inherited Thomas Green Clemson's vision of this institution as a high seminary of learning. Fundamental to this vision is a mutual commitment to truthfulness, honor and responsibility, without which we cannot earn the trust and respect of others. Furthermore, we recognize that academic dishonesty detracts from the value of a Clemson degree. Therefore, we shall not tolerate lying, cheating, or stealing in any form.