

**SYLLABUS**  
**Mathematics 446 (Advanced Calculus)**

PROFESSOR W. R. WADE  
AYRES 308

**Office Hours:** Monday 8:30-9:00, 11:00-11:30 AM and 2:00-3:30 PM, Tuesday 9:00-10:00 AM and 2:00-3:00 PM, Wednesday 8:30-9:00 AM and 2:00-3:30 PM, Friday 8:30-9:00 and 11:00-11:30 AM or by appointment.

This course is a continuation of Math 445, an introduction to *analysis*. This time we will examine infinite series and continue to study the calculus of functions of several variables by covering parts of Chapters 6-7 and 12-13.

Your grades will have four or five components, all equally weighted.

- 1) **HOMEWORK** (worth 100 points). During some lectures, homework will be assigned. It is due at the beginning of the next class period. Fold it length-wise (like a book) with your name on the outside **FRONT** cover. Since the exams will be very much like the homework, and since the homework will count as one test grade, it is very important to do the homework on your own. No late homework will be accepted.
- 2) **HOUR EXAMS** (each worth 100 points). There will be two or three hour exams, each announced a week in advance.
- 3) **THE COMPREHENSIVE FINAL EXAMINATION** (worth 100 points). This examination will be given on **Monday, May 5, 8:00-10:00 A.M.**

At the end of the semester I will average these points, and assign grades according to the following scale: 86-100 A, 70-85 B, 55-69 C, 45-54 D.

In particular, each exam and the homework is worth as much as 25% of your grade.