

# Syllabus

## Math 454/654 – Summer 2010

### Section 001

**Instructor:** Dr. Jim Brown

**Office:** Martin O-324

**Phone:** 864-656-2331

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**Class Meeting:** MTWRF: 8:00 - 9:30 am Martin M-103

**Office Hours:**

MTW: 3:00 - 4:00 pm

(and by appt.)

**Textbook:** *An Introduction to Analysis* by William Wade.

**Material:** We will cover as much as possible of Chapters 5-13. Certainly we won't get through all of this, but ideally that is what this course would cover.

**Attendance:** Attendance for this class will not be taken. Of course, if you do not come to class on a regular basis, you should not expect that I'll spend significant time outside of class trying to catch you up on what you missed (assuming the absences are not accompanied with a legitimate documented excuse.) This does not mean if you miss a day that I will not help; this is directed at people who skip a week and then want me to catch them up before the midterm. If you are coming to class, you are expected to be there when class begins! If you have a good reason for being late, let me know. Otherwise, if you are late, don't come. It is distracting for other students to have someone walk in once class has begun. I reserve the right to have surprise quizzes at the beginning of class if tardiness becomes a problem. This will become part of your homework grade. Since attendance is not required, you are not required to wait any set period of time before you leave if for some reason I am late. If I am more than 10 minutes late, you can reasonably assume something has happened and I will not be there. You should check your e-mail in the morning before class so that if something

does come up you are aware before you hike over to class.

**Cell Phones:** Cell phones are to be turned **OFF** during class and exams. If you have an emergency and are waiting for a call, please let me know beforehand and it will be ok to have it on vibrate. Remind each other to turn off your cell phones before class because if this becomes a problem I reserve the right to have quizzes on the spot (points to be figured into the homework grade.)

**Grading:** Grades are based on the following:

Homework:	50 %
Midterm Exam:	20 %
Final Exam (cumulative):	30 %

The grading scale will be no worse then the following:

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

This means if your final grade is a 90%, you will receive an A for sure. However, it may be the case that your final grade is an 85% and you receive an A.

**Exams:**

Midterm : 07/14/10 8:00 am - 9:30 am in Martin M-103

Final: 08/04/10 8:00 am - 10:30 am in Martin M-103

Make-up exams for midterms will not be given, regardless of the validity of the excuse for missing the exam. If you miss a midterm, the midterm score will be replaced by your final exam score.

**Homework:** Homework will be assigned frequently. You should work with other students in the class on homework, but must write up your own solutions to the homework problems. The solutions you hand in should reflect your best effort. You should not turn in scrap work or anything that is no legible. If I can't easily read and follow your solutions, I will not attempt to.

**Goals:** It is the goal of this course for you to learn the theory behind the material you learned in Math 106-206. You will learn how to prove many of the statements that were presented without justification in those classes. You will also refresh your memory on some of the calculations that you were able to do when leaving those courses.