

Math 467 Spring 2009

Syllabus

INSTRUCTOR: Dr. Hundley

OFFICE: Olin 234

OFFICE HOURS: TBA

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1. COURSE INFO: Numerical Analysis is a course about solving mathematical problems with numerical algorithms. It is important to understand not only the algorithm, but also how the algorithm performs and when the algorithm breaks down.

Additionally, if you are performing any kind of scientific computation, it is critical that you understand the sources of error as well as techniques that will minimize that error.

2. REQUIRED TEXT: Numerical Analysis, Timothy Sauer, Pearson Education, Inc., 2006. We will be working topics up through Chapter 6.
3. COMPUTATION/SOFTWARE: Basic scientific calculators are allowed for the homework; for each exam, I will make an announcement beforehand.

For the computational side of the course, we will be using Matlab, which is installed on all of the computers in the Math Computer Lab (therefore, everyone will need an account on these machines- we'll talk about this today).

4. Grading Criteria.

- Exams. There will be two exams and a Final Exam. Some of the exams may have a take-home component so that you can work with Matlab. Exams will make up 75% of the overall class grade.

The **exam dates will be:** Friday, Feb 27 and Wednesday, April 15th.

- Homework: There are two sources of homework- (1) Daily homework from each section, and (2) Homework projects. The daily homework will be assigned, but not collected (but it is critical that you can do them!). You may talk about these problems with other students, but be sure you can do them yourself.

The homework projects will be collected and graded. You are expected to do these projects on your own, without help from your colleagues. You may ask me questions, but be sure you start these early enough so there is time to ask. The collection of homework projects will be 25% of your overall grade.

Grading:

90-100%=A, 80-89%=B, 70-79%=C, 60-69%=D, 59 and below=F

I will use the plus/minus grading only sparingly in those borderline cases.

5. Help! I encourage you to come see me. If you can't make it during office hours, either email me if you have short questions, or make an appointment.
6. Academic Honesty. Academic standards will be *strictly* adhered to as outlined in the College's policies. This means that cheating will not be tolerated. Looking at another student's exam or quiz (whether or not you mean to copy answers) while taking it will be considered cheating. *Please don't test this policy!* Students caught cheating for the first time will fail the exam or quiz during which the cheating took place, and the Dean of Students will be notified. Continuation of this behavior will lead to an automatic failing grade for the course, and may include other administrative action.
7. If you have a learning disability, please let me know as soon as possible so that we can make alternative assessment methods. Please do not wait until the day of the exam!
8. I need your help to make the classroom environment as conducive to learning as possible.
 - Please consider yourself invited to:
 - Come to class ready for math!
 - Ask questions
 - Do your homework as it is assigned- Do not wait until the day before the exam or quiz to discover that you have a lot of questions!
 - Please come see me if you have questions!
 - Please follow these guidelines- Not doing so would be a big distraction away from the learning process.
 - Cell phones- Silent please!
 - No laptop computers.
 - The class begins on the hour- That is not the time for you to show up! The first few minutes of class set up the context for the rest of the class.