

Math 244 Spring 2004

Syllabus

INSTRUCTOR: Dr. Hundley

OFFICE: Olin 234

OFFICE HOURS: M,T,Th, 10-11AM. If you can't make these times, feel free to schedule a different time. You may also stop by anytime my office door is open, or email me.

OFFICE PHONE: 527-5151

EMAIL: hundledr@whitman.edu

CLASS WEBSITE: people.whitman.edu/~hundledr/courses/M244.html

1. COURSE INFO: Math 244

2. TEXT: Elementary Differential Equations 7th Edition. Boyce and DiPrima

For topics, the plan right now (subject to change) is to do the following:

The first third of the course will be over first order differential equations, chapters 1, 2 and 3. The second third of the course will be over Laplace Transforms (Chapter 6) and Power Series solutions (Selected from Chapter 5). Finally, we will introduce systems of differential equations (selected from Chapter 7) and we will introduce numerical solutions to ODEs (Selected from Chapter 8).

3. Technological Assistance: Graphing/Programmable calculators are allowed and encouraged. Calculators that can perform symbolic algebra will *not* be allowed on exams. We will be using MAPLE periodically to help us visualize certain concepts. The relevant commands and descriptions will be provided to you.

4. Grading Criteria.

- Exams. There will be two exams (**February 26 and April 20**), and a Final Exam. The exam dates will not change, so make your plans accordingly. The last exam will be the Final Exam, which we will take at the published time. Exams will make up 70% of the overall class grade.
- Quizzes. There will be a short (5 minute tops) daily quiz on Monday and Tuesday over the previous day's material. Usually these will be either definitions, theorems, or short computations. The total score on the short daily quiz will be 5% of the overall grade. There will also be more substantial quizzes at the end of the hour given on Thursdays. These will make up 10% of the overall grade and I'll allow you to drop two of these scores. Overall, quizzes will make up 15% of the grade.
- Homework. You should spend some time thinking about the homework problems and writing up full solutions. The homework will account for 15% of the overall grade.

- Prepare the starred problems on the attached Schedule.
- Group work is encouraged, but each member must write up and turn in their own work.
- Homework will NOT be accepted late.
- These homework solutions should be clear, precise, and should fully explain your thinking.
- You may only write on the front of the paper, the left-hand edge should be smooth (No spiral notebook paper!), and it should be stapled.
- Homework is submitted each Wednesday, covering the previous week's homework. For example, on January 27th, the homework for sections 1.1, 1.2, 1.3 and 2.1 will be due.
- NOTE: I will answer questions from the homework anytime *except on the day that it is due*.

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!