

**MATH 341 – Ordinary Differential Equations – Spring 1999
(Revised)**

PROFESSOR: Jared C. Bronski (jared@math.uiuc.edu)

OFFICE HOURS: M 11:00-12:00 WF 2:00-3:00 (331 Illini Hall) or by appointment¹

LECTURES: MWF 1:00 – 2:00 (140 Henry Hall)

TEXT: Boyce & DiPrima, “Elementary Differential Equations and Boundary Value Problems”, Seventh Edition.

WEB PAGE: <http://www.math.uiuc.edu/jared/Math341>

SCHEDULE: *See attached sheet*

GRADING: Final letter grade based on homework, three midterms and a final.

The grading scheme will be roughly as follows

- Final Exam at 100 points ($\approx 33\%$ of the course grade)
- 3 Midterms at 50 points each ($\approx 50\%$ of the course grade)
- Homework worth 50 points ($\approx 17\%$ of the course grade)

the exact numbers will probably vary slightly (no more than a few percent either way.)

Homework will be assigned (more or less) every week. Though homework only counts for a relatively small part of your grade I recommend actually doing the homework, since this is the only way to learn the material. Students who do not do the homework are unlikely to do well on the exams. You are **ENCOURAGED** to work together on the homework. In fact up to three people may submit a single homework, and all will receive the same grade. It

¹You are welcome to come by any time with questions, and I will either answer them on the spot (if I am not busy with something else) or schedule a time to answer them.

is expected, of course, that all students whose names appear on a homework actually worked on it. If you have questions on any homework problems I will be happy to work them in class or during office hours. Also note that **many of the problems from the quizzes will be taken from the homework!**

Homework is due **IN CLASS** on the due date. If you cannot make it to class you should have a friend turn your homework in for you or put it in my mailbox **before** class. Late homework **will not** be graded. I will, however, drop the lowest homework grade.

EXAM DATES: Exam 1: Friday Sept. 20 (Entire Class Period)
Exam 2: Friday Oct. 18 (Entire Class Period)
Exam 3: Friday Nov. 15 (Entire Class Period)
Final: 1:30-4:30 Saturday Dec 21

(Note: No alternate time is possible for the final. Alternate times for the exams are only possible with a *VERY* good excuse, and only by prior arrangement.)

The exams will, for the most part, only cover the material covered since the previous exam, although **any** material will be considered fair game. The exams will take the entire class period. The final exam will cover **ALL** of the material covered in the course.

Note that there is a exam coming up very soon. This is rushing things somewhat, but is necessary in order to provide you with some idea of how you are doing in this class before the drop date.

HOMEWORK:

Again I highly recommend that you do the homework, and that you work together with a friend. I may also hand out an occasional extra credit problem. These will typically be more challenging. These will also **NOT** be counted towards your grade, though students solving these problems will be accorded bragging rights. I may also look at the extra credit problems for students on the border between two grades, so if you do the extra credit problems you should turn them in.

I also **strongly** recommend that you make use of my office hours. It is best if you think about problems first, then come to my office with questions. Almost no one understands mathematics on the first exposure. You must

combine the lecture and the textbook with working on homework and going to office hours to maximize your chances of doing well in the class.

If you are unable to make my office hours you may come by any time, and I will either help you on the spot (if I am not too busy) or I will arrange a time when we can meet.

Here is the first assignment.

Math 341 Homework # 1

Due Friday September 6 in class.

Section 1.1 # 1,6,7,9,12,17,21

Section 1.2 # 2,4,8

Section 1.3 # 1,5,9,14