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

OFFICE HOURS: To be arranged first week of class, or by appointment¹.
375 Altgeld Hall 244 x 8218

LECTURES: MWF 12:00 – 12:50 (245 Altgeld Hall) (Section X1)
MWF 1:00 – 1:50 (156 Henry Admin Building) (Section E1)


Note: This custom edition is taken from Edwards and Penney, Differential Equations with Boundary Value Problems: Computing and Modeling, Fourth Edition. It is identical to the fourth edition except that Chapters 5, 6, 7, and 8 have been removed. If you would prefer to use the full fourth edition, this should not be a problem. The full fourth edition is the standard text for Math 286.

SCHEDULE: See attached sheet

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

The grading scheme will be roughly as follows

- Final Exam at 200 points (≈ 40% of the course grade)
- 2 Midterms at 100 points/per (≈ 20% of the course grade each)
- Homework and Quizzes worth 100 points (≈ 20% 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. 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

¹You are welcome to come by my office any time with questions, and as long as I am not otherwise engaged I will be happy to answer them.
do well on the exams. You are **ENCRYPTED** to work together on the homework. Trying to explain the material to other students is an excellent way to learn it. In fact up to three people may submit a single homework\(^2\), and all will receive the same grade. It 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.

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. Unexcused late homework will not be graded. I will, however, drop the lowest homework grade.

Quizzes will be drawn directly from the homework: they should be easy if you’ve done the homework!

Your first homework is attached.

**EXAM DATES:** TBA

**HOMEWORK:**

Again I highly recommend that you do the homework, and that you work together with a friend. 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.

**IODE Labs:** Many of the concepts discussed in this class (slope/vector fields, Fourier series, etc) can be made much clearer by visualizing them on a computer. We will do a few computer labs during the course of the semester using the IODE software package which runs under matlab. These labs will count as a quiz grade. The labs will be on selected Mondays in EH 406B1 and EH 406B8.

\(^2\)If you have friends in my other section you may work with them on the homework but you must each submit your own homework, as the grading for the two classes is done independently.
Math 285 Sections E1/X1 Homework # 1

Due Friday Aug. 28 in class.

Section 1.1 # 15,18,27,36