INSTRUCTOR: Michael Brannan

CONTACT INFORMATION: Office: 376 Altgeld Hall. Email: mbrannan@illinois.edu

COURSE WEB PAGE: http://www.math.uiuc.edu/~mbrannan/math286/

LECTURES:
Section D1: 165 Everitt Laboratory, M-T-W-Th. 11:00am–11:50am.
Section X1: 114 Transportation Building, M-T-W-Th. 12:00pm–12:50pm.

OFFICE HOUR: Wednesday afternoons (Time: 2:00pm-3:30pm), Altgeld Hall, Room 376. Or by appointment.


COURSE OVERVIEW: An introduction to the techniques and applications of ordinary differential equations, including Fourier series and boundary value problems, linear systems of differential equations, and an introduction to partial differential equations. We will cover all of the material from MATH 285, plus linear systems of differential equations and (time permitting) Laplace transforms. This course is intended for engineering majors and others who require a working knowledge of differential equations. We plan to cover most of Chapters 1–5, 9, and portions of Chapter 7 and 10 from the textbook.

GRADING SCHEME:

<table>
<thead>
<tr>
<th></th>
<th>Homework</th>
<th>3 Midterm Tests</th>
<th>Final Exam</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Percentage</td>
<td>15%</td>
<td>55%</td>
<td>30%</td>
<td>100%</td>
</tr>
</tbody>
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Your lowest midterm score is only worth 7% of your final grade, and the other two are worth 24% each. A letter grade will be assigned at the end of the course, based on the numerical grades obtained on the homework, midterm tests and final exam, using the weighting described above.

HOMEWORK: There will be approximately 10 homework assignments, due in class on Thursdays. They will be posted on the course web page one week before they are due. Late assignments will not be accepted. No homework will be due during the week of a test. Your lowest assignment score will not be used in computing your final grade.
**MIDTERM TESTS:** There will be three midterm tests, scheduled on Thursday evenings as follows:

- Thursday February 13, 8:00pm–9:20pm. (Location: Psych 23)
- Thursday March 13, 8:00pm–9:20pm. (Location: DKH 114)
- Thursday April 17, 8:00pm–9:20pm. (Location: TBA)

No notes, calculators or aids may be used in the midterm tests. There will be no makeup/conflict midterms. If you miss a midterm test because of exceptional circumstances that are beyond your control and which could not have been foreseen, special arrangements may be made provided that the circumstances can be satisfactorily documented.

**CANCELED CLASSES:** Since the midterms tests are scheduled in the evenings, university regulations require that three lectures be canceled. The following lectures will be canceled:

- Thursday February 20.
- Wednesday April 2.
- Thursday April 3.

**FINAL EXAM:** The final exam time and location is scheduled by the university registrar. The exam period runs from Friday May 9, 2014 through Friday May 16, 2014. Please do not make travel plans for this period until the final exam schedule has been published. No notes, calculators or aids may be used in the final exam.