MATH 286 Section D1
Introduction to Differential Equations Plus
Spring 2015 Course Information Sheet

INSTRUCTOR:  Anil Hirani, Altgeld Hall Room 375.

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COURSE WEB PAGE:  http://www.math.uiuc.edu/~hirani/teaching/286sp15/

LECTURES:  MTWR 11:00am – 11:50am, Transportation Building Room 103.

OFFICE HOUR:  Wed. 2:00pm – 3:30pm (or by appointment) Altgeld Hall Room 375.

TUTORING:  MTWR 3:00pm – 7:00pm, Altgeld Hall Room 443.


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 10 (and portions of Chapters 7 if there is time) from the textbook.

GRADING SCHEME:

<table>
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<tr>
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<th>Homework</th>
<th>3 Midterm Exams</th>
<th>Final Exam</th>
<th>Total</th>
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<tbody>
<tr>
<td></td>
<td>15%</td>
<td>55%</td>
<td>30%</td>
<td>100%</td>
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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 exams 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 (except for HW 5). Your lowest assignment score will not be used in computing your final grade.
MIDTERM EXAMS: There will be three midterm exams, scheduled on Thursday evenings as follows. All three midterm exams will be in Gregory Hall Room 213.

- Thursday February 12, 8:00pm–9:20pm.
- Thursday March 12, 8:00pm–9:20pm.
- Thursday April 16, 8:00pm–9:20pm.

No notes, calculators or aids may be used in the midterm exams. There will be no makeup/conflict midterms. If you miss a midterm exams 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 exams are scheduled in the evenings, university regulations require that three lectures be canceled. The following lectures will be canceled (subject to change):

- Monday February 16.
- Wednesday March 4.
- Thursday March 5.

FINAL EXAM: The final exam time and location is scheduled by the university registrar. The exam period runs from Friday May 8, 2015 through Friday May 15, 2015. 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.