MATH 285 Sections E1 and F1
Introduction to Differential Equations
Fall 2015 Course Information Sheet

INSTRUCTOR: Anil Hirani, Altgeld Hall Room 375 (hirani@illinois.edu)

INSTRUCTOR OFFICE HOURS:

Mondays 3:00pm – 3:45pm
Wednesdays 8:15am – 9:00 am

TA: Neer Bhardwaj (nbhard4@illinois.edu)

COURSE WEB PAGE: http://www.math.uiuc.edu/~hirani/teaching/285fa15/

TUTORING: Altgeld Hall Room 445. No appointment needed. Schedule posted on class webpage or emailed to class.


Note: There are various editions and various similar sounding textbooks some with some of the above authors. Please talk to instructor if you have questions about the which is the correct textbook. It is important that you use the correct edition of official textbook as listed above since homeworks will be mostly assigned from the official textbook.

COURSE OVERVIEW: Techniques and applications of ordinary differential equations, including Fourier series and boundary value problems, and an introduction to partial differential equations. Intended for engineering majors and others who require a working knowledge of differential equations. We plan to cover most of Chapters 1, 2, 3, 9, and about half of 10 from the textbook.

GRADING SCHEME:

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<th>Homework</th>
<th>3 Midterm Exams</th>
<th>Final Exam</th>
<th>Total</th>
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<tr>
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<td>15%</td>
<td>55%</td>
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Your lowest midterm score is 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 scores obtained on the homework, midterm exams and final exam, using the weighting described above.

**HOMEWORK:** There will be approximately 10 - 13 homework assignments, due in class on Wednesdays. They will be posted on the course web page (usually) one week before they are due. Late homeworks will not be accepted. Your lowest homework score will not be used in computing your final grade.

**MIDTERM EXAMS:** There will be three monthly midterm exams, scheduled on Monday evenings as follows. All three midterm exams will be in Armory Room 101.
- Monday September 21, 8:00pm–9:20pm.
- Monday October 19, 8:00pm–9:20pm.
- Monday November 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.

**CONFLICT EXAMS:** If you have a university approved reason for requesting a conflict exam, you MUST register for the conflict exam by talking IN PERSON to the instructor by the dates stated on the class webpage. You must show evidence of a university approved conflict reason. REQUESTS SENT BY E-MAIL AND LATE REQUESTS WILL NOT BE CONSIDERED. See class webpage for more details and for dates of conflict exams.

**CANCELED CLASSES:** Since the midterms exams are scheduled for the evenings, two or three lectures may be canceled, as suggested by the university.

**FINAL EXAM:** The final exam is on Wednesday December 16, 1:30pm – 4:30pm in Room 314 Altgeld Hall. Exam will cover the entire course syllabus covered during semester. No books, notes, calculators, laptops, or any other aids may be used in the final exam.