

Math 286 – Differential Equations Plus

Spring 2014

Instructor. Armin Straub

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Course website. <http://math.illinois.edu/~astraub/>

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Office phone. (217) 300-0426 (please use e-mail whenever possible)

Office hours. Wednesdays, 10:30-11:30am, or by appointment

Class schedule.

Section E1 meets MTWR, 1:00-1:50pm, in 160 English Building.

Section G1 meets MTWR, 3:00-3:50pm, in 160 English Building.

Grader Section E1. Junxian Li (jl1135@illinois.edu)

Grader Section G1. Liyuan Cao (cao22@illinois.edu)

Tutor. Nuoya Wang (nwang12@illinois.edu)

Tutoring hours. There will be office hours for tutoring. Dates and time are posted on the course website.

Course description

Text. *Differential Equations and Boundary Value Problems: Computing and Modelling*, 4th Edition, by C. H. Edwards and D. E. Penney (Prentice-Hall, 2008)

Material covered. roughly: 1.1–1.6, 2.1, 2.3, 3.1–3.8, 4.1, 5.1–5.6, 9.1–9.7, 10.1–10.3

Grading

Exams. There will be three in-class midterm exams and a comprehensive final exam. Notes, books, calculators or computers are not allowed during any of the exams.

Our exam schedule is:

- Midterm Exam 1: Thursday, February 13 — 8:00-9:20pm, in 213 Greg Hall
- Midterm Exam 2: Thursday, March 13 — 8:00-9:20pm, in 23 Psych (Section E1) and 112 Chem Annex (Section G1)
- Midterm Exam 3: Thursday, April 17 — 8:00-9:20pm, in 150 ASL
- Final Exam: Friday, May 9 (tentative!)

There will be lectures held at the usual time on February 13, March 13 and April 17 to review exam material. Instead, there will be no class on April 14 as well as two other dates which will be announced later.

Homework. Homework will be assigned after most classes and is posted on our course website. A designated part of the homework will be graded and is to be turned in on (or before) the Tuesday of the following week. To encourage you to do all homework, at least one problem will be chosen for each of the written exams (numbers used can be different). Homework needs to be turned in individually (though you are allowed to discuss it with classmates).

Grades. Your grade will be based on the total sum of your scores on three in-class midterm exams, homework, and the final exam.

- Midterm Exams: 55% in total (7% on weakest exam, 24% on each of the other two)
- Homework: 15% in total (lowest homework score dropped)
- Final Exam: 30%

Further details

Online grades. Your grades will be posted to the Illinois Compass2g system which you can access at: <https://compass2g.illinois.edu>

Please report any discrepancies in recorded grades within two weeks.

Online material. This syllabus as well as relevant information and material for this course, including posted homework assignments, can be found at our course website.

Grade scale. For each exam and homework assignment you receive a numerical score rather than a letter grade. Your semester grade is guaranteed to be at least according to:

- 90-100: A-, A, A+
- 80-89: B-, B, B+
- 70-79: C-, C, C+
- 60-69: D-, D, D+
- 0-59: F

Attendance. Attendance of all lectures is expected and strongly recommended. Everything that is covered in class is relevant for the written exams.

Make-up policy. There will be no make-ups for missed homework assignments. Instead, the corresponding score will be dropped if appropriate documentation is presented. At the end of the semester, the lowest score on homework assignments will be dropped. If a midterm exam is missed, arrangements will be made on a case-by-case basis provided that appropriate documentation is presented.

Dates of interest.

http://www.registrar.illinois.edu/registration/deadlines_SPRING2014.html

- Monday, January 20: M. L. King Day
- Friday, March 14: Last day to drop without grade of W
- March 22–30: Spring Break
- Wednesday, May 7: Last day of instruction
- May 9–16: Final examination period

Emergency information. Please review carefully:

http://www.math.illinois.edu/Bourbaki/emergency_syllabus_info.pdf