

MATH 45: SPRING 2017
DIFFERENTIAL EQUATIONS FOR SCIENCE AND ENGINEERING

Lectures:

Section 07: MWF 8-8:50am, Room 156, Alpine Hall.

Section 08: MWF 11-11:50am, Room 201, Brighton Hall.

Instructor:

Michael VanValkenburgh

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Office Hours:

Mondays and Wednesdays 9-10am and Thursdays 10:30-11:30am.

Required Text: *A First Course in Differential Equations with Modeling Applications* (10th edition) by Dennis Zill.

Topics Covered: Chapters 1, 2, 4, and 7. See the class webpage for a detailed lecture schedule.

Prerequisite: Math 31.

Grading Policy:

25% Homework, Quizzes, and Worksheets

15% Hour Exam 1

15% Hour Exam 2

15% Hour Exam 3

30% Cumulative Final Exam

Drop Policy: Please see <http://www.csus.edu/math/policies/drop.pdf>

Homework and Reading Assignments:

Homework: You will not turn in the homework. Instead, we will have occasional quizzes, with the problems taken from the homework.

You are expected to carefully read the relevant sections of the book, as listed on the class webpage.

You may do “preliminary work” with others (for example, you may give each other hints), but you are expected to write the detailed solutions on your own. If you get help from some source (including, but not limited to, a person or a website), you must clearly cite that source in your homework. Please do not share complete written solutions.

Exams:

- Exam 1: Monday, February 13
- Exam 2: Wednesday, March 8
- Exam 3: Wednesday, April 21
- Final Exam:
Monday, May 15, 8-10am (Section 07) and Monday, May 15, 10:15am-12:15pm (Section 08). Note how it overlaps with the regular lecture time.

Exam Protocol:

- You will need pencils/pens and erasers, nothing more. Keep all devices capable of communication turned off and out of sight. Calculators are not permitted.
- Solutions to each exam will be posted promptly after the administration of the exam. You are encouraged to look at the solutions while the exam is still fresh in your mind.
- The final exam will be cumulative, but extra emphasis will be given to material covered after the third exam.
- Do not make arrangements to leave campus prior to the final exam.

Accommodations:

If you have specific physical, psychiatric, or learning disabilities and require accommodations, please let me know early in the semester so that your learning needs may be appropriately met.

Absences:

You are held responsible for all work missed during absences. Late homework and make-up exams will only be allowed under rare circumstances, and, moreover, only with my explicit written consent.