

MATH 45: SPRING 2016
DIFFERENTIAL EQUATIONS FOR SCIENCE AND ENGINEERING

Lectures:

Section 05: MWF 8-8:50am, Room 218, Alpine Hall.

Section 06: MWF 11-11:50am, Room 110, Douglass Hall.

Instructor:

Michael VanValkenburgh

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Office Hours:

MWF 9-9:50am, Tuesdays and Thursdays 4-5pm, and also by appointment.

Required Text: We will be using a free textbook: *Differential Equations*, by András Domokos. There is a link on the class webpage.

Topics Covered: The entire book. 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/DropS16.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 15
- Exam 2: Wednesday, March 9
- Exam 3: Wednesday, April 20
- Final Exam:
Monday, May 16, 8-10am (Section 05) and 10:15am-12:15pm (Section 06). 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.