

Spring 2016
Math 4512: Differential Equations with Applications.

Class Times and Location:

13:25 pm – 14:15 am MWF, FordH 110.

Instructor: Mikhail Safonov, VinH 231, tel: 625-8571,

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Office Hours: MWF, 11:15 am – 12:05 pm, or by appointment.

Textbook: *W.E. Boyce and R.C. DiPrima*, Elementary Differential Equations and Boundary Value Problems, 10th Edition, John Wiley & Sons, Inc. We tentatively plan to cover Chapters 2–4, 6–7, with some exclusions.

Homeworks: There will be 5 homeworks due at the beginning of class on Wednesdays, February 3, 17; March 9, 30; April 20.

Late homework will receive less than full credit, and possibly zero credit.

The grading for homeworks will be based on a selection of a few problems (3–5 ones, depending on the difficulty), a selection unknown to the class in advance.

Midterm Exams:

on Wednesdays, February 24 (6th week) and April 6 (11th week),
during class time.

Final Exam:

Wednesday, May 11, 8:00 am–10:00 am, FordH 110.

Grading: *Homeworks* - 20% of the total grade for 4 (out of 5) best ones,
Midterm Exams - 20% for each one, *Final Exam* - 40%.

Missed exams: Make-up Final exams will be given to students who have a **valid** reason for missing an exam. Such students must notify their instructor prior to the exam, and the reason must be documented. There will be **no make-up Midterm exams**. A proportional part of the score for the Final exam will be used instead for students who have a valid documented reason for missing a Midterm exam.

Homework #1 (due on Wednesday, February 3):

Sec. 2.1: #13, 18, 30.

Sec. 2.2: #7, 8, 31 (without graphs).