

Spring 2019  
Math 4512: Differential Equations with Applications.

**Class Times and Location:**

Lec 1: MWF, 10:10 am – 11:00 am, VinH 1.

Lec 2: MWF, 1:25 pm – 2:15 pm, VinH 211.

**Instructor:** Mikhail Safonov, VinH 231, tel: 625-8571,  
email: safon002[at]umn.edu  
<http://www.math.umn.edu/~safonov>

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

**Textbook:** *W.E. Boyce, R.C. DiPrima, and D.B. Meade*, Elementary Differential Equations and Boundary Value Problems, 11th 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 6, 20; March 13; April 3, 24.

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 27 (6th week) and April 10 (11th week), during class time.

**Final Exam:**

Lec 1: Wednesday, May 15, 8:00 am–10:00 am, VinH 1.

Lec 2: Saturday, May 11, 8:00 am–10:00 am, VinH 211.

**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.