Math 2233, Differential Equations, Section 010, Spring 2015

Instructor: Mykhailo Bilogliadov

Office: MSCS 439

Office hours: Tuesday: 3 pm – 5 pm, MLSC, Tutoring Room 3, and by appointment

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Text: *Elementary Differential Equations and Boundary Value Problems* by Boyce and DiPrima, 10th Edition.

Calculator: A calculator is allowed for this course (without QWERTY keyboards).

Location and hours: TR 10:30 AM–11:45AM, MSCS 445.

Online Classroom (D2L) site: https://oc.okstate.edu (then log in and find our course). Please make sure that your email system is set up to receive emails from D2L, as I will be posting homework assignments, practice exams etc. on D2L.

Course content: This is a first course on differential equations. We will learn basic techniques for solving differential equations. We will also learn some ways that differential equations are used in science and engineering. We will cover most of chapters 1-6 in the textbook. These chapters will be covered in the following order: 1,2,3,4,6,5.

Review: The first week will be spent on a review of calculus skills. This is because the study of differential equations is based entirely on calculus; differentiation and integration skills are essential in this course. On Friday, Jan. 16, there will be a short test on calculus skills and related algebra skills. This short test will be 40 points for students who complete at least 8 of 10 problems. Students who do not get 8 of 10 problems will be given a chance to retake this test.

Homework: The homework is an extremely important part of the course; carefully working through the homework problems is crucial to learning the material. The homework will be in two parts. Regular (roughly daily) homework will be assigned. Students are expected to complete the assignments in a notebook - neatly written solutions showing all work is expected. The notebook will be collected and graded once or twice throughout the semester (20 points). There will also be four problem sets assigned and collected (40 points). I will provide the examples of acceptable work.

Exams: All exams will be in class. There will be four hour exams (80 points each); they will occur after we finish Chapters 2, 3, 4 and 6. About a week before each in-class exam the instructor will post a practice exam on D2L. The final exam (80 points) is a comprehensive exam, will be on Tuesday, May 5, from 10:00 a.m. to 11:50 a.m.

Grading: Homework will total 60 points, the short test is 40 points and the in-class exams plus final totals 400 points. This is a total of 500 possible points. Letter grades will be assigned as follows:

Points	Letter grade
450-500 points (90%)	guaranteed A
400-449 points (80%)	at least a B
325-399 points (65%)	at least a C
300-324 points (60%):	at least a D
0-299 points (below 60%)	probable F

There will be opportunity for a small amount of extra credit (totaling approximately 20 points). I reserve the right to use discretion if you are on the borderline between two grades, taking into consideration performance on the final exam, improvement or decline during the semester, attendance, and my subjective judgment of your effort.

Missed work policy: A student shall be offered reasonable accommodation in the event that he or she misses an exam for a valid and documented reason. Arrangements must be made at the first opportunity, typically this means before the the scheduled exam

Attendance: You are expected to attend class regularly.

Office hours: I encourage you to take advantage of these hours to get help with the course material.

Mathematics learning success center: http://www.math.okstate.edu/mlsc
The Mathematics Learning Success Center has (free) tutoring and is located on the fifth floor of the library. Special MLSC hours for MATH 2233 tutoring are Tuesday and Wednesday 5:00 pm–8:00 pm

Special Accommodations for Students with Disabilities: If any member of this class feels that he/she has a disability and needs special accommodations of any nature whatsoever, the instructor will work with you and the Office of Student Disability Services, 315 Student Union, to provide reasonable accommodations to ensure that you have a fair opportunity to perform in the class. Please advise the instructor of such disability and the desired accommodations at some point before, during, or immediately after the first scheduled class period.

Academic Dishonesty/Misconduct: The university has explicit rules governing academic dishonesty and academic misconduct. The policies are detailed in the document Student Rights and Responsibilities Governing Student Behavior. It is available from the Deans Offices, the Provosts Office and various other places around campus. The university policies will be followed in this class. **In this class, copying on quizzes or exams or allowing someone to copy off of you may result in an F! for the course. Copying or allowing someone to copy your work on homework carries a penalty of up to 10 percentage points off your semester homework grade in the first instance and an F! in the class in a second instance. Fraudulently signing an attendance sheet for someone else or having someone sign for you will result in a zero for the semester attendance grade and possibly an F! in the class at my discretion.**

Syllabus attachment: Important information that applies to all classes at OSU is on the web at:

http://academicaffairs.okstate.edu/faculty-a-staff