

Differential Equations  
Math 2233-001; Spring 2015

**Room and Time:** Life Sciences East 215, MWF 10:30-11:20

**Instructor:** Alek Malcom, MSCS 408

**e-mail:** alekzam@okstate.edu (start the subject line **Math 2233** in all correspondence)

**Office Hours:** Tuesday 5pm-6 and Friday 2:30pm-3:20 in the MLSC; or email for an appointment

**Text:** *Elementary Differential Equations and Boundary Value Problems* (10<sup>th</sup> ed.), by Boyce and DiPrima.

**Course Content:** Math 2233 introduces a toolkit of basic techniques for solving differential equations, which arise naturally in science and engineering. We will cover most of the first six chapters of the text in the approximate order 1, 2, 3, 4, 6, 5.

**Review:** The first week will consist of a review of the necessary calculus concepts needed for this course. On the first Friday of the course, we will have a short quiz on calculus and algebra skills. The quiz will be graded as a pass/fail where passing occurs if at least 8 of the 10 questions are answered correctly. For those who do not pass there will be an opportunity to retake this quiz during the second week for majority credit.

**Grading:** Your grade will consist of:

Homework	10%
Calculus Quiz	9%
4 Midterms	each 14%
Final Exam	25%

Letter grades at the end of the course will be assigned as follows. 90% guarantees an A, 80% guarantees at least a B, and so on. There will be some extra credit available.

**Calculator:** A calculator may be necessary for some homework assignments, but no calculators will be allowed on the exams or calculus quiz.

**Homework:** Homework problems will be assigned daily and collected once per week. Selected problems will be graded with special attention to careful work and clearly written solutions. Examples of problems with complete work will be provided.

**Attendance:** Students are expected to attend all classes and have with them all of the week's assigned homework problems.

**Exams:** The comprehensive final exam is scheduled for Friday, 8<sup>th</sup> of May, at 10am-11:50am. The four midterms will be approximately after the 2<sup>nd</sup>, 3<sup>rd</sup>, 4<sup>th</sup>, and 6<sup>th</sup> chapters.

**MLSC:** The Math Learning Success Center is found in the top floor of the (Edmon Low) library. To my knowledge, there will be tutoring available on Tuesdays and Wednesdays 5pm-8pm specifically directed to this course.

**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.

**D2L:** D2L will be used to post homework assignments, practice exams, occasional solutions to homework problems, exam grades, etc. Students should regularly check D2L. Announcements and reminders may be sent using the email addresses stored in D2L, so make sure that you input there an email address that you use. D2L is located at <https://oc.okstate.edu/>

**Syllabus Attachment:** For various information such as drop dates, university policies on student disabilities and academic dishonesty, etc, see the OSU Syllabus Attachment.