

**Instructor:** Mark Farris **e-mail:** mark.farris@msutexas.edu **Phone:** 940-642-3312 **Office:** BO118J  
**Office Hours:** Mon-Thurs 2:30-4:00 or by appt.

**Textbook:** A First Course in Differential Equations with Modeling Applications by Zill, 11th ed..

**Objectives:** Your primary objective will be to learn correct use of mathematical terminology and notation. You will also be learning problem solving skills from the point of view of a mathematician; this will include understanding appropriate use of technology.

**Prerequisite:** Math 1734 with a grade of C or better

**Technology:** Calculators-I assume that you have a graphing calculator and that you know how to use it. If you are uncomfortable with your personal graphing calculator skills I am willing to assist you, but extensive assistance should take place outside of scheduled class time. Links to various free online apps or apps that come with the textbook will be presented in class.

**Grading:** Your grade will be based on four in class exams, regular quizzes, and a comprehensive final exam. There will be at least 12 quizzes but only your best 10 quiz scores will count. These items will be weighted like this:

Item	Points
10 Quizzes @ 20 points each	200
4 Exams @ 100 points each	400
Final Exam	200
Total	800

Grades will be computed on the usual basis, 90% for an A, 80% for a B, etc.

**Quizzes:** A collection of recommended homework problems is listed on page 2. Quizzes will be given over these problems. Quizzes will normally be given at the beginning of every other class period. Missed quizzes may not be made up, but at least two of your lowest quiz scores will be dropped.

**Expectations:** I expect you to

- arrive on time and prepared for class
- use class time wisely
- ask specific, thoughtful questions
- put forth your best effort every day
- make at least a “C” in this class

**Exam Schedule:**

Exam	Sections	Date
1	1.1-2.6	Fir Feb 14
2	3.1-4.4	Fri Mar 13
3	5.1-6.2	Wed Apr 8
4	6.3-7.3	Fri May 1
Final	All	Wed May 13, 10:30-12:30

**Standard Syllabus Information:** Students should refer to the current MSU Student Handbook for university policies on academic dishonesty, class attendance, student rights and activities.

Senate Bill 11 passed by the 84<sup>th</sup> Texas Legislature allows licensed handgun holders to carry concealed handguns on campus, effective August 1, 2016. Areas excluded from concealed carry are appropriately marked, in accordance with state law. For more information regarding campus carry, please refer to the University’s webpage [Campus Carry Rules/Policies](#).

**Recommended Homework Problems:** Quizzes and Exams in this course will consist of problems similar to those found at the end of each section of the book. You should work as many of these as you have time for.

## Section Problems

1.1 1, 5, 9, 11, 13, 17, 21, 23, 27, 29, 31, 33, 35, 37, 41  
1.2 4, 8, 12, 18, 22, 24, 26, 30, 42, 46  
1.3 2, 8, 10, 16, 28, 38

2.1.1 Remaining exercises TBD  
2.1.2  
2.2

2.3  
2.6

## Exam 1

3.1  
3.2  
3.3

4.1.1  
4.1.2  
4.1.3

4.2  
4.3  
4.4

## Exam 2

5.1.1  
5.1.2  
5.1.3

4.7  
6.1  
6.2

## Exam 3

6.3  
7.1  
7.2.1

7.2.2  
7.3.1  
7.3.2

## Exam 4