MTH 244: Differential Equations
Spring 2019

Instructor: Dr. Madhav P. Sharma
Office Hours: MTW 1-2pm in Lippitt 102E or by appointment
Email: madhav_sharma@uri.edu

Textbook: Stanley J. Farlow, *An Introduction to Differential Equations and Their Applications*, Dover Publications, 1994.

Prerequisite: MTH 142 (Calculus II) with a grade of C- or higher.

Course Description: MTH 244 is the first course in Ordinary Differential Equations. We will learn mathematical techniques of solving differential equations involving one independent variable, and their applications to the physical sciences. We will cover most of the sections in Chapter 1- 6 from the textbook.

Evaluation: Your scores on two in-class exams (20% each), several in-class and take home quizzes (30%), and the comprehensive final exam (30%) will determine your final grade. Mid-term exams will be given on February 21 and April 4. The date and time for the final exam will be announced later in the semester.

Make-up policies: Mid-term exams can be made-up under special circumstances if a valid documentation is provided. The lowest quiz score will be dropped, so there will be no make-up quizzes.

Letter Grade assignment: A (92% - 100%), A- (90% - 91%), B+ (87% - 89%), B (82% - 86%), B- (80% - 81%), C+ (77% - 79%), C (72% - 76%), C- (70% - 71%), D+ (67% - 69%), D (60% - 66%), F (0% - 59%)

Incomplete Grade: University of Rhode Island regulations concerning incomplete grades will be followed. See University Manual sections 8.53.20 and 8.53.21 for details.

Homework: Homework will be assigned each week. Although they are not collected and graded, you are expected to do all of them.

Accommodation: Any student with a documented disability is welcome to contact me as early in the semester as possible so that we may arrange reasonable accommodations (contact Disability Services for Students Office at 330 Memorial Union 401-874-2098).

Academic Honesty Cheating is defined in the University Manual section 8.27.10 as the claiming of credit for work not done independently without giving credit for aid received, or any unauthorized communication during examinations (of course, this includes use of the "internet"). Students are expected to be honest in all academic work. The resolution of any charge of cheating or plagiarism will follow the guidelines set forth in the University Manual 8.27.10 - 8.27.20.