Mathematics 266: Introduction to Differential Equations (3 Credits)

BASIC INFORMATION
Instructor: Rebecca Ramos
Office Hours: 11:05AM-12:00PM M-F Minard 408 E30 or by appointment
Contact Information: Rebecca.Ramos@my.ndsu.edu
Instructor Webpage: http://www.ndsu.edu/pubweb/∼rramos/
Class Location and Time: 9:55AM-10:55PM M-F in CIE 205
Class Website: http://www.ndsu.edu/pubweb/∼rramos/diffeq.html

COURSE DESCRIPTION
Solution of elementary differential equations by elementary techniques. Laplace transforms, systems of equations, matrix methods, numerical techniques, and applications. Prerequisite: MATH 259 or MATH 265. Corequisite: MATH 128, MATH 129, or MATH 429.

COURSE OBJECTIVES
To provide a thorough introduction to solving differential equations via a variety of techniques, and to understand the conceptual and practical significance of the field via both theory and applications.

REQUIRED TEXTBOOK
Introductory Differential Equations with Boundary Value Problems by Abell & Braselton

CALCULATOR POLICY
No calculators.

ATTENDANCE/MAKE-UP POLICY
Attendance is mandatory. You are responsible for all the information given in class, regardless of whether or not you attend. There will be no make-up quizzes or exams. However, an exam may be taken prior to the scheduled date in the case of a conflict with a university function or other valid reason. You must provide a week's notice for this accommodation via email. If you do not take a scheduled exam, a zero will be recorded for that exam. Also, homework must be turned in at the start of class on the day it is due. If you will not be in class, you must turn in your homework before the class period in which it is due.

HOMEWORK
Homework will be assigned at the end of each section and will be collected at least once a week. The due date for each assignment will be announced in class. In addition to doing the homework that will be collected, it is strongly recommended that you do as many of the exercises as possible from each of the sections covered in class. I reserve the right to test and quiz you on problems which are generalizations of material covered in the class and/or in the text. In short, the problems may not look exactly like the ones in the book.

QUIZZES
There may be at least one quiz per week. Quizzes may or may not be announced in advance, may be given in class, or may be given as assignments.

EXAMS
There will be three exams and a comprehensive final exam. The three exams will take place during class on the following dates:

    Exam 1...June 27
    Exam 2...July 11
    Exam 3...July 25

FINAL EXAM
The final exam will be comprehensive and will be scheduled during a two hour block on the last day of class (**August 8, 2014**). The time will be announced during the first week of class. There will be no make-up final exam. You are expected to arrange your personal and work schedule to allow you to take the final exam at the scheduled time.

GRADES

Below is a breakdown of your grade.

    Exam 1......................15%

    Exam 2......................15%

    Exam 3......................15%

    Homework/Quizzes....25%

    Final Exam................25%

    Attendance..................5%

Grades will be assigned according to the following rule:

    A...90-100%

    B...80-90%

    C...70-80%

    D...60-70%

    F...0-60%

AMERICAN DISABILITIES ACT FOR STUDENTS WITH SPECIAL NEEDS STATEMENT

The Americans with Disabilities Act requires that reasonable accommodations be provided for students with physical, cognitive, systemic, learning and psychiatric disabilities in order to ensure their equal access to course content. If you have a documented disability and require accommodations, please let your instructor know as soon as possible. For more information, please contact Disability Services at 231-7671 or go to http://www.ndsu.edu/counseling/disability.shtml.

ACADEMIC HONESTY

All work in this course must be completed in a manner consistent with NDSU University Senate Policy, Section 335: Code of Academic Responsibility and Conduct. First violations of this policy in this course will result in a 0 for the quiz or exam on which academic misconduct occurred. Further violations will result in more severe penalties. You can read the Senate Policy at http://www.ndsu.edu/policy/335.htm.

NOTES

Cellular telephones and all other electronic devices are not to be used in class and must be turned off during class time. Students that violate this policy will lose their attendance credit.

IMPORTANT DATES

Independence Day (No School)...Friday July 4