Welcome to Math 320-01 – *Differential Equations*.

My name is Prof. Rohm; I will be your instructor for this course.

I have posted a copy of my current schedule and contact information on Canvas. You can also find more information about me at
- http://www.uwsp.edu/mathsci/Pages/faculty/dRohm.aspx
- http://www4.uwsp.edu/math/drohm

Here is the most recent catalog description for the course:
> **MATH 320. Differential Equations. 3 cr.** Introduction to ordinary differential equations of the first and second order; linear equations with constant coefficients; solution in series; numerical approximations; Laplace transforms; system of ordinary equations; selected applications. **Prereq. Math 226**

A complete copy of the syllabus for this course has been posted on Canvas. This includes a schedule for examinations and grading criteria for the course.

As a new or continuing UWSP student, you should be fully aware of your rights and responsibilities as a UWSP student, both on and off campus. You can find these linked through the Dean of Students webpage.
- https://www.uwsp.edu/dos/Pages/stu-academic.aspx
- https://www.uwsp.edu/dos/Pages/stu-conduct.aspx
- https://www.uwsp.edu/dos/Pages/stu-personal.aspx
- https://www.uwsp.edu/dos/Pages/offcampus.aspx

UWSP is committed to providing reasonable and appropriate accommodations to students with disabilities and temporary impairments. If you have a disability or acquire a condition during the semester where you need assistance, please contact the Disability and Assistive Technology Center on the 6th floor of Albertson Hall (the library) as soon as possible.
> https://www.uwsp.edu/disability/Pages/default.aspx

The DATC can also be contacted at 715-346-3365 or DATC@uwsp.edu.

Thank you for reading this. I look forward to collaborating with you this semester as a member of the Pointer Community.

Instructor: **Dale M. Rohm**   **Office Hours:**   9:00-11:00 Tuesday
              Office: Sci D356   9:00-11:00 Thursday
                                                        or by appointment.

              Phone: (715)346-3798   e-mail: drohm@uwsp.edu
              url: http://www.uwsp.edu/mathsci/Pages/faculty/dRohm.aspx

Text: Zill, <u>A First Course in Differential Equations with Modeling Application</u>, 10th ed.
            ISBN-10: 978-1-111-82705-2

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> equations of the first and second order; linear equations with constant coefficients;
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> equations; selected applications. **Prereq: 226.**

Math 320-*Differential Equations* is a standard post-calculus introduction to the notation, theory, and application of ordinary differential equations. This course is suitable and usually required for any undergraduate academic program in engineering, applied mathematics, or physical science. In order to be enrolled in Math 320, a student must have successfully completed a year of single-variable calculus such as UWSP Math 225 and 226, or have been determined to be exempt from these prerequisites by established department test-out policies. **In particular, mastery of standard integration techniques is absolutely critical for success in this course.**

During the semester, you will be expected to gain understanding of concepts and techniques related to differential equations, and be able to apply them in order to answer specific questions from the physical and mathematical sciences. **As an applied mathematics course, Math 320 often requires additional understanding of background scientific principles as part of assigned readings and assignments.**

Technology Policy: Use of graphing calculators is useful and generally permitted. Knowing how to efficiently use your calculator is more important than what calculator you have. I reserve the privilege of designating some or all questions of an examination or quiz as "non-calculator". When permitted, only one calculator may be used during any quiz or test. Sharing of calculators is prohibited. **You will be allowed to use a copy of the integration table found in the front cover of your textbook for all examinations and quizzes.**

While some take-home assignments may require the use of a computer algebra system such as *Mathematica* or other on-line applications, the use of any computing device capable of remote transmission, including smart-phones, is expressly prohibited during any in-class assessment of this course. Turn your phones off or place them in airplane mode before any in-class examination or quiz.

Texting or browsing during lecture is rude and distracting, don't do it. There are times however, when taking an image of the board or screen might be valuable, you are welcome to do so. Please refrain from audible alerts during class by using vibrate or airplane mode.