

Welcome to Math 111-03 – Applied Calculus.

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 D2L. You can also find more information about me at

- <http://www.uwsp.edu/mathsci/Pages/faculty/dRohm.aspx>
- <http://www4.uwsp.edu/math/drohms>

Here is the most recent catalog description for the course:

**MATH 111. Applied Calculus. 4 cr.** Calculus applied to business, economics, biology, natural resources, and social science. Prereq. Math 100 or Math 107, or a suitable placement score. May not take Math 111 for credit after successful completion of Math 120. **GDR: MATH BS/BFA; GEP: QL**

Notice that Math 111 satisfies the UWSP QL-GEP.

#### GEP Category Learning Outcomes

Foundation Level:	
GEP Category:	Upon completing this requirement, students will be able to
Quantitative Literacy	<ul style="list-style-type: none"><li>• Select, analyze, and interpret appropriate numerical data used in everyday life in numerical and graphical format.</li><li>• Identify and apply appropriate strategies of quantitative problem solving in theoretical and practical applications.</li><li>• Construct a conclusion using quantitative justification.</li></ul>

A complete copy of the syllabus for this course has been posted on D2L. 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. You can find these in the UWSP Community Bill of Rights and Responsibilities at

- <http://www.uwsp.edu/dos/Documents/CommunityRights.pdf>

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 6<sup>th</sup> floor of Albertson Hall (the library) as soon as possible.

<https://www.uwsp.edu/disability/Pages/default.aspx>

DATC can also be contacted at 715-346-3365 or [DATC@uwsp.edu](mailto:DATC@uwsp.edu).

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



Fall 2018

Math 111-03

10:00 MTRF  
CCC 111

**Instructor: Dale M. Rohm**  
Office: Sci D356

**Office Hours:** 11:00-2:00 Wednesday,  
or by appointment.

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

**Text:** Tan, Applied Calculus for the Managerial, Life, and Social Sciences, 10<sup>th</sup> ed.  
(Available through UWSP Text Rental)  
ISBN-10: 978-1-285-46464-0 <http://www.cengagebrain.com>

**Course Description:**

**MATH 111. Applied Calculus. 4 cr.** Calculus applied to business, economics, biology, natural resources, and social science. **Prereq: 100 or Math 107 or a suitable placement score. May not take 111 for credit after successful completion of Math 120. GDR: MATH BS/BFA; GEP: QL**

Math 111 satisfies the UWSP Quantitative Literacy requirement of the General Education Program. Quantitative Literacy is knowledge of and confidence with basic mathematical/analytical concepts and operations required for problem-solving, decision-making, economic productivity and real-world applications. Such skills are essential for citizens living in today's global society. Upon completing this requirement, you will be able to:

- Select, analyze, and interpret appropriate numerical data used in everyday life in numerical and graphical format.
- Identify and apply appropriate strategies of quantitative problem solving in theoretical and practical applications.
- Construct a conclusion using quantitative justification.

Math 111 is a one-semester terminal course designed to give a brief applied overview of differential and integral calculus for students majoring in natural and social sciences. It is not, and is not intended to be, the equivalent of the first semester of a full calculus sequence, neither is it the equivalent of the precalculus courses prerequisite to a full calculus sequence.

**Technology Policy:** You are required to have daily access to a calculator for this course. A graphing calculator is preferred, but a scientific calculator is sufficient. 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.

**Use of a 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.**

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

**Evaluation and Grading:** Your course grade will be determined by your performance on three examinations and approximately six quizzes, during the semester, and a comprehensive Final Exam. Those scores will be scaled according to the percentages shown below and totaled to give a numerical score. Final letter grades will be awarded according to the following curve.

<u>Grade Item</u>	<u>Weight</u>	<u>Percentages</u>	<u>Minimum Grade</u>
Examination I	20%	90-100	A-
Examination II	20%	75-89	B-
Examination III	20%	60-74	C-
Quizzes	15%	50-59	D
Final Exam	25%		

Although I reserve the right to raise a student's grade if it is my determination that numerical scores are not reflective of that student's actual comprehension, I will never give a grade lower than that determined by the stated criteria.

**Attendance Policy:** I will not give "make-up", "retake", or "extra-credit" examinations, unless arranged prior according to university procedures. Alternate or make-up examinations for religious or university-related accommodation require prior approval. The only exceptions are for legitimate medical or personal emergencies.

There is no easier way to earn an unsatisfactory grade in a university-level mathematics course than to skip class or fail to complete assigned exercises. Attendance is expected at every class meeting. If you must miss class for university activities or personal reasons, it is your responsibility to promptly contact me in writing and make up assigned work.

Each week I will give a list of suggested problems. Although you will not normally have to hand in this homework, your responsibility as a student is to seriously attempt to complete these problems. When you identify difficulties, it is also your responsibility to seek help from your textbook and classmates, me electronically or during office hours, and available tutors.

**Course Schedule:** The dates for examinations are given below. All quizzes will be announced at least one class day before being given. Your last quiz grade will be awarded based upon attendance taken at various times throughout the semester.

The first portion of the course introduces the derivative as a measure of the change in quantified physical phenomenon. This portion of the course covers material from Chapters 2-4 of your textbook. **Examination I: Friday, Sept. 28.**

The second portion of the course includes the remaining material on derivatives from Chapter 4 along with the calculus of exponential and logarithm functions from Chapter 5. **Examination II: Friday, Nov. 2.**

The third portion of the course, introduces integral calculus from Chapters 6 and 7. **Examination III: Friday, Nov. 30.**

The last weeks will include some additional topics from Chapter 8, along with review for your comprehensive final examination. **Final Examination: Monday, 8:00-10:00, on Dec. 17.**

**The last day to add/drop a 16-week class is Wednesday, Sept. 13.**  
**The last day to drop a 16-week class with a "W" grade is Friday, Nov. 9.**