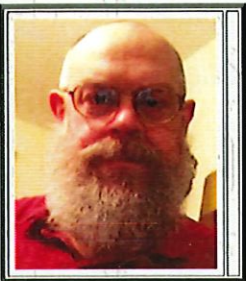Welcome to Math 118-02 – *Precalculus Algebra.*

My name is Prof. Rohm; I will be your instructor for this course. Here is my contact information.

Directory Information

	Work	Home
Phone	(715)346-2120	(715)344-5454
Welcome	E-mail	drohm@uwsp.edu
	Office	SCI D357
	Address	Department of Mathematical Sciences 2001 Fourth Avenue B246 Science Building Stevens Point, WI 54481-389

The best way to contact me is by using e-mail. Please only use my home phone for emergencies. You can also find more information http://www.uwsp.edu/mathsci/Pages/faculty/dRohm.aspx .

This course is scheduled to be taught in person during the fall semester of 2023 on the main campus of UWSP. There are no on-line options and no procedures for branch campus instruction. All readings and assignments will be posted on Canvas, but lectures are not recorded and completed lecture notes will not be distributed. All tests are held in the regular classroom and any take-home assignments are to be turned in, on paper, either during a class period or to me at my office. My office hours will be held in person, in my office or possibly the regular classroom if available immediately after class. If you need to contact me outside of those hours, individual Zoom appointments can be arranged.

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 webpages.
- 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 Resource Center. https://www.uwsp.edu/disability/Pages/default.aspx .

Because of ongoing demolition of Albertson Hall, the DRC has been relocated to Room 108 in the Collins Classroom Center. The DRC can also be contacted at 715-346-3365 or by e-mail at DRC@uwsp.edu.

Here is the most recent catalog description for the course:

MATH 118. Precalculus Algebra. 4 cr. Topics include concepts, graphs, and properties of functions, inverse and algebraic functions, techniques of graphing, conic sections, linear and nonlinear systems, arithmetic and geometric series, mathematical induction and the binomial theorem. Preparation for MATH 225 if you did not place into MATH 225. Prereq. Math 107, or suitable placement score. **GEP: QL**

Notice that Math 118 satisfies the UWSP QL-GEP. **Quantitative literacy is knowledge of and confidence with basic mathematical/analytical concepts and operations. 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.

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

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

Math 118-02	Instructor: Dale M. Rohm	Office Hours: Sci D357
2:00 MTWR	Phone: (715) 346-2120	MR 1:00 and 3:00
Sci A225	e-mail: drohm@uwsp.edu	or by appointment.

Text: Stewart, Redlin, Watson, <u>Precalculus: Mathematic for Calculus</u>, 7th ed. ISBN 978-1-305-07175-9

Course Description:
Math 118 is an appropriate course designed to be taken prior to any calculus course. This course is typically taken by any student intending to complete an educational program in the physical, natural, or informational sciences, or intending a career in an engineering or technology field. It is not intended to be a terminal mathematics course. **In order to be enrolled in Math 118, a student must meet the required prerequisites for the course, or have been determined to be exempt from the prerequisites using established department test-out policies.**

Technology Policy: You are required to have daily access to a graphing calculator for this course. Typical calculator used by students include any versions of the TI-83 and TI-84 models. Knowing how to use your calculator is far more important than which model of 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. **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.

Course Schedule: During a typical week, activities will follow this pattern:
- Monday - Completion and review of the previous week's topics.
- Tuesday - Primarily used for assessment. As time permits, new topics for the week will be introduced.
- Wednesday - This will be our main lecture day for the week's new material. Be sure that you have completed any assigned reading assignments before classtime.
- Thursday - This will be our main day for examples similar to assigned problems. A brief description of the next week's topics will usually be given.

The dates for examinations are given below. All quizzes will be announced at least one class day before being given.

The course begins with a review of functional algebra as found in Chapters 1-3. This portion of the course also introduces the use of graphing calculators and on-line software. Our primary focus will be on mastering functional notation and solving algebraic equations.
Examination I: Tuesday, September 26, 2023

The second portion of the course covers algebra of rational, exponential and logarithm functions as found in Chapters 3-4 along with some related optional applications related to physical and natural sciences.

Examination II: Tuesday, October 24, 2023.

The third portion concentrates on systems of equations and inequalities, as found in Chapter 10, and analytic geometry, as found in Chapter 11. These topics are often the initial steps of standard problems in calculus courses.

Examination III: Tuesday, November 21, 2023.

The final portion of the course includes selected topics from Chapter 10, 11, 12 as time permits. The final examination is comprehensive including these, as well as previous topics of the course.

Final Examinations: 10:15-12:15 on Wednesday, Dec. 20, 2023.

Evaluation and Grading: Your course grade will be determined by your performance on the four examinations and approximately seven quizzes. Your last quiz will be based on attendance taken at various times throughout the semester. These scores will be weighted as shown below and totaled to give a numerical score. Final letter grades will be awarded according to the following curve.

Grade Item	Weight	Percentages	Minimum Grade
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%		

Attendance Policy: Attendance is expected at every class meeting. 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. If you must miss class, it is your responsibility to promptly contact me in writing, obtain assignments, and make up assigned work.

The dates given above for examinations are enforced according to university policies. Alternate or make-up examinations for religious or university-related accommodation require prior approval. The only exceptions are for legitimate medical or personal emergencies.

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

The last day to add/drop a 16-week class is Thursday, September 14.
The last day to drop a 16-week class with a "W" grade is Friday, November 10.