

Math 118 – Precalculus Algebra (Section 003)

Spring 2017

Course Information

Class Meeting Information Tuesdays, Thursdays 6:00 – 7:50 p.m.

Science Building, Room A210

Text: *Precalculus: Mathematics for Calculus*, 7th Edition by Stewart, Redlin & Watson

Calculators: A graphing calculator will be necessary for homework and should be brought to class for in-class work, quizzes, and exams. The TI-84 or -86 calculators are the best options. (Phones, computers, or any device with a QWERTY keyboard are not permitted; neither are TI-90's series calculators. If you are unsure, please ask me.)

Web Access to Homework: Homework will be assigned and completed through a web-based program linked to this course's textbook content. *WebAssign* access codes are available for purchase in the bookstore. Use the following class key code to enroll in this section of Math 118 and access assigned homework problems. Math 118 Section 003 Class Key Code: uwsp 1543 6291

Instructor: Teri Jaeger

Office: Science B152

Office Hours: Thursdays, 5:00 – 6:00 p.m.; Fridays, 11 a.m. – 12 p.m.

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(Preferred method of contact is email)

Course Description/Objectives:

This course is primarily a study of linear, quadratic, polynomial, rational, exponential, and logarithmic functions and their graphs. It also covers conic sections, systems of equations, and sequences.

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. Chapters 1-4 and 10-12 correspond to this content.

As a General Education Quantitative Literacy course, the following learning outcomes will be met in this course:

- 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

Grading Information

Your grade will be based on homework, quizzes, tests, and a comprehensive final exam.

18% Homework

20% Quizzes

42% Tests – 3 tests @ 14% each

20% Final Exam

Homework will be assigned for each section and will be checked for completion by due dates in *WebAssign*. I will also use it as a guide to drive discussion in class and determine when additional time should be spent as time allows.

Quizzes on text and class discussion content will be given five times throughout the semester, tentatively on Thursdays when there is not an exam scheduled. The lowest grade will be dropped to allow for any unforeseen absences that may occur throughout the semester. Quizzes cannot be made up.

Tests – There will be three tests throughout the semester scheduled *tentatively* on the following dates:

February 16 (Week 4/Thursday)

March 16 (Week 8/Thursday)

April 20 (Week 12/Thursday)

Content for a given test will be based on material covered prior to the test date including a review session on text, discussion, and *WebAssign* material.

Final Exam is scheduled for Tuesday, May 16th, 7:15 – 9:15 p.m.

Grading Scale:

A – 93% - 100%	B+ - 87% - 89.9%	C+ - 77% - 79%	D+ - 67% - 69.9%
A – 90% - 92.9%	B – 83% - 86.9%	C – 73 – 76.9%	D – 60% - 66.9%
	B- - 80% - 82.9%	C- - 70% - 72.9%	

Partial credit will be granted on quizzes, tests, and the final exam in instances where you demonstrate a solid understanding of the concept and answers are within a reasonable range of the correct answer; it is important that all work be neatly organized and labelled so that I can follow your logic when correcting work.

Guidelines

Attendance, Classroom Behavior and Participation

It is expected that you will attend class, participate, and be respectful of others. This includes arriving on time and returning from break promptly (we will take a 10-minute break after the first 50 minutes of class). Cellphone use should be reserved for break and should not be seen or heard during class time in order to avoid interruptions and maximize learning time.

UW-Stevens Point values a safe, honest, respectful, and inviting learning environment. In order to ensure that each student has the opportunity to succeed, we have developed a set of expectations for all students and instructors. This set of expectations is known as the *Community Rights and Responsibilities* document, and it is intended to help establish a positive living and learning environment at UWSP. Click here for more information:

<http://www.uwsp.edu/dos/Pages/AcademicMisconduct.aspx>

Academic Integrity

Academic integrity is central to the mission of higher education in general and UWSP in particular. Academic dishonesty (cheating, plagiarism, etc.) is taken very seriously. Don't do it! The minimum penalty for a violation of academic integrity is a failure (zero) for the assignment. For more information, see the "Student Academic Standards and Disciplinary Procedures" section of the *Community Rights and Responsibilities* document, UWSP Chapter 14. This can be accessed by viewing page 11 of the document at:

<http://www.uwsp.edu/dos/Documents/CommunityRights.pdf>- page=11

Additional Resources

D2L will be utilized primarily for gradebook; if there are other reasons to check it I will let you know. Grades will be recorded within a few days of tests/quizzes.

Math Help Room – Located in Science A113, it is open Monday- Thursday from 9 a.m. – 4 p.m., and 7 – 9 p.m.

Tutoring Learning Center – Located in 018 Albertson, open Monday – Thursday 8 a.m – 8 p.m., and Friday 9 a.m. – 1 p.m. <http://www.uwsp.edu/tlc/Pages/default.aspx>

Americans with Disabilities Act (ADA)

The Americans with Disabilities Act (ADA) is a federal law requiring educational institutions to provide reasonable accommodations for students with disabilities. For more information about UWSP's policies, check here: <http://www.uwsp.edu/disability/Pages/faculty/lawAndPolicy.aspx>. If you have a disability and require classroom and/or exam accommodations, please register with the Disability and Assistive Technology Center at the beginning of the course and then contact me. I am happy to help in any way that I can. For more information, please visit the Disability and Assistive Technology Center, located on the 6th floor of the Learning Resource Center (the Library). You can also find more information here:

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

