

MATH 107-08: Algebra for Pre-Calculus



Instructor

Katie Holt

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Office: Zoom – link in canvas

Zoom Office Hours: Tuesdays & Wednesdays 11:00am – 12:00pm

Class Schedule

January 25 – May 14; TuTh 1:00pm – 1:50pm, Virtual Classroom

Course Description

MATH 107 – Algebra for Pre-Calculus, 2 credits

Factoring and simplifying rational expressions, interval notation, solving absolute value equations, linear inequalities, rules of exponents and logs, solving exponential equations, functional notation, evaluation of functions and graphs.

Corequisite: MATH 95 Section 08

Course Structure

This course will be delivered entirely online through Zoom, Canvas, and WebAssign (for homework/quizzes). You will use your UWSP account to login to the course from the [Canvas Login Page](#), which contains the Zoom links for our course.

Required Materials and Online Registration

- *Elementary and Intermediate Algebra*, 5th Edition by Tussy and Gustafson, **WebAssign access** (comes with eText).
 - We will be using WebAssign for homework from the book.
 - Our **class key** is **UWSP 9808 8707**.
 - You will be given a WebAssign access code for the semester, you do not need to purchase this on your own.
- You may use any four-function, scientific, or graphing calculator without a computer algebra system. **Cell phone calculators will not be allowed on quizzes/exams.** Please check with me if you have any questions about calculators.
- Computer/tablet.

Grading

Your final grade will be based on your effort and success with three graded chapter quizzes, the final examination, and Webassign homework. The table below shows the graded course components with **tentative** dates (*chapter quiz dates could change!*):

Item	Tentative Date(s)
WebAssign Homework	Ongoing -- Homework due dates found on WebAssign
Quiz 1: 7.1, 7.2, 7.3, 7.4, 7.5, 7.6	March 3
Quiz 2: 8.1, 8.2, 8.3, 8.4, 8.5	March 18
Quiz 3: 11.1, 11.2, 11.3, 11.4, 11.5, 11.6, 11.7	May 10
Final Exam: Cumulative final exam	May 19, 5pm

Assignments: Daily homework assignments will be completed via WebAssign. Each section of every chapter we cover will have assigned homework problems that will be due the night before the chapter quiz at 11:59PM. Lowest two homework section grades will be dropped. WebAssign will not be reopened for late submission of homework.

Chapter Quizzes: Quizzes on chapter material will be done online through WebAssign. You may use calculators, but no notes, formula sheets, or books are allowed unless stated otherwise. Make-up chapter quizzes will not be allowed unless an excused absence has been documented. Please contact me before the quiz if you know there is going to be an issue.

Final Exam: There will be a final exam online on **May 19 at 5pm**. It will cover all material previously covered in the course.

Attendance: Attendance will not count explicitly in the calculation of your grade, but attending class is imperative since all of the quizzes and final exam will be mostly based on what we cover in class.

Final Grade Weights:

- Assignments: 45%
- Chapter Quizzes: 35%
- Final Exam: 20%

Grading Scale

Final grades will be based on the percentages shown below. I reserve the right to lower/raise these cutoff points. The cutoff points are:

94%- 100%	A	80%- 83%	B-	67%-69%	D+
90%- 93%	A-	77%-79%	C+	64%-66%	D
87%- 89%	B+	74%-76%	C	60%-63%	D-
84%- 86%	B	70%-73%	C-	0%-59%	F

MATH 107 Sections to be covered

Chapter 7

- 7.1 Simplifying Rational Expressions
- 7.2 Multiplying and Dividing Rational Expressions
- 7.3 Adding and Subtracting with Like Denominators; Least Common Denominators
- 7.4 Adding and Subtracting with Unlike Denominators
- 7.5 Simplifying Complex Fractions
- 7.6 Solving Rational Equations

Chapter 8

- 8.1 Review of Solving Linear Equations, Formulas, and Linear Inequalities
- 8.2 Functions (Basics only)
- 8.3 Graphs of Functions (Basics only)
- 8.4 Solving compound inequalities
- 8.5 Solving absolute value equations and inequalities

Chapter 11

- 11.1 Algebra and Composition of Functions
- 11.2 Inverse Functions
- 11.3 Exponential Functions
- 11.4 Logarithmic Functions
- 11.5 Base- Exponential and Logarithmic Functions
- 11.6 Properties of Logarithms
- 11.7 Exponential and Logarithmic Equations

Tutoring-Learning Center (TLC)

The Tutoring-Learning Center (TLC) offers free group, drop-in, and individual tutoring to support you in your math classes. The tutors are UWSP students who have done well in their classes and who are here to share their successful study habits and math content knowledge to help others succeed. Discussing mathematical concepts and practicing problems together clarifies and solidifies knowledge, and the tutors are eager to study with you. If you have questions about the schedules or would like to make an appointment, please contact the TLC via email (tlctutor@uwsp.edu) or phone (715-346-3568) for information.

Math Room

The Math Room provides free tutoring on a drop-in basis for all math courses. For more information visit <https://www.uwsp.edu/mathsci/Pages/tutoring.aspx>.

MathPad

The MathPad is both a classroom and free tutoring lab for students enrolled in MATH 90/95/107. For more information visit <https://www.uwsp.edu/mathsci/Pages/tutoring.aspx>.

UWSP Technology Support

- Seek assistance from the [IT Service Desk](#) (Formerly HELP Desk)
 - IT Service Desk Phone: 715-346-4357 (HELP)
 - IT Service Desk Email: techhelp@uwsp.edu

University Policy Regarding Students with Disabilities

If you have a documented disability and verification from the Disability and Assistive Technology Center and wish to discuss academic accommodations, please contact your instructor as soon as possible. It is the student's responsibility to provide documentation of disability to Disability Services and meet with a Disability Services counselor to request special accommodation *before* classes start.

The Disability and Assistive Technology Center is located in 609 Albertson Hall and can be contacted by phone at (715) 346-3365 or via email at datctr@uwsp.edu.

Understand When You May Drop This Course

It is the student's responsibility to understand when they need to consider unenrolling from a course. Refer to the UWSP [Academic Calendar](#) for dates and deadlines for registration. After this period, a serious and compelling reason is required to drop from the course. Serious and compelling reasons includes: (1) documented and significant change in work hours, leaving student unable to attend class, or (2) documented and severe physical/mental illness/injury to the student or student's family.

Statement of Academic Integrity

Academic Integrity is an expectation of each UW-Stevens Point student. Campus community members are responsible for fostering and upholding an environment in which student learning is fair, just, and honest. Through your studies as a student, it is essential to exhibit the highest level of personal honesty and respect for the intellectual property of others. Academic misconduct is unacceptable. It compromises and disrespects the integrity of our university and those who study here. To maintain academic integrity, a student must only claim work which is the authentic work solely of their own, providing correct citations and credit to others as needed. Cheating, fabrication, plagiarism, unauthorized collaboration, and/or helping others commit these acts are examples of academic misconduct, which can result in disciplinary action. Failure to understand what constitutes academic misconduct does not exempt responsibility from engaging in it. Students suspected of academic misconduct will be asked to meet with the instructor to discuss the concerns. If academic misconduct is evident, procedures for determining disciplinary sanctions will be followed as outlined in the [University System Administrative Code, Chapter 14](#).

This syllabus is subject to change and you are responsible for keeping up with any changes and announcements.

