

Math 107: Algebra for Pre-Calculus 2 credits – Fall 2022 Syllabus

Associate Instructor Lisa Kennedy Office: D212 Science Building Phone: 715-346-2120 Email: lkennedy@uwsp.edu	Office Hours/Math 90 Resource Hours Wednesday or by appointment 11:00am-11:50am Office Science D212 1:00pm-1:50pm MathPad or Classroom 2:00pm-2:50pm MathPad or Classroom	Class Schedule Tuesday & Thursday 10:00-10:50am A225 Science Building
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MATH 107 (2 credits):

Topics include factoring & simplifying rational equations, interval notation, solving absolute value equations, linear inequalities, rules for exponents and logarithms, solving exponential & logarithm equations, functional notation, and evaluation of functions and graphs.

Prerequisites: a suitable score on the math placement test OR Math 95

Required Text: *Elementary & Intermediate Algebra*, 5th edition
by Alan S. Tussy & R. David Gustafson (Published by Cengage),
customized for UWSP, ISBN: 978-1-111-56768-2

Calculator: A scientific calculator is required for this course
Computers, cell phones, SMART watches, iPads or other tablets, and calculators with a "QWERTY" keyboard or built-in computer algebra systems are not allowed.

Learning Outcomes: Upon the successful completion of the course you will understand:

1. Algebraic expressions can be rewritten in an equivalent simplified form.
2. Solving equations/inequalities is a process to find value(s) that yield a true statement.
3. There are several methods that can be used to solve equations/inequalities, so careful analysis of the problem will determine the appropriate method to use.

Canvas: Course information will be posted daily. This will include homework solutions, copies of any handouts, review materials for exams, and current grade information.

Projected Pacing for Math107 Fall 2022

	Week	Sections	Topic
1	September 6-9	T: 8.4 TH: 8.5	Interval Notation & Solving Compound Inequalities Solving Absolute Value Equations
2	September 12-16	T: 5.1 TH: 5.2	Rules for Exponents Zero and Negative Exponents QUIZ
3	September 19-23	T: 9.2a TH: 9.2b	Rational Exponents
4	September 26-30	T: 6.1 TH: 8.6	Greatest Common Factor; Factoring by Grouping Review Factoring: GCF, Grouping, Trinomials QUIZ
5	October 3-7	T: 8.7 TH: Exam 1	Review Factoring: The Difference of Two Squares Exam on Sections 8.4, 8.5, 5.1, 5.2, 9.2, 6.1, 8.6, 8.7
6	October 10-14	T: 7.1 TH: 7.2	Simplifying Rational Expressions Multiplying & Dividing Rational Expressions
7	October 17-21	T: 7.3 TH: 7.4	Adding & Subtracting Rational Expressions Adding & Subtracting with Unlike Denominators QUIZ
8	October 24-28	T: 7.5 TH: 7.6	Simplifying Complex Fractions Solving Rational Equations
9	October 31 - November 4	T: 8.2 TH: 8.3	Functions Graphs of Functions QUIZ
10	November 7-11	T: 11.1 TH: Exam 2	Algebra & Composition of Functions Exam on Sections 7.1 - 7.6, 8.2, 8.3
11	November 14-19	T: 11.2 TH: 11.3	Inverse Functions Exponential Functions
12	November 21-25	T: 11.4	Logarithmic Functions QUIZ Thanksgiving
13	November 28 - December 2	T: 11.5 TH: 11.6	Base-e Exponential & Logarithmic Functions Properties of Logarithms
14	December 5-9	T: 11.7 TH: Review	Exponential & Logarithmic Equations Review for Final Exam QUIZ
15	December 12-16	T: Exam 3 TH: Review	Exam on Sections 8.2, 8.3, 11.1 - 11.5 Review for Final Exam
16	Monday December 19	All Course Content	5-7 pm CCC 101

Course Grade:

Course Grades (%) at or above	93	90	87	83	80	77	73	70	67	60
will receive at least a grade of	A	A -	B +	B	B -	C +	C	C -	D +	D

10% Homework

20% Quizzes

50% Exams

20% Comprehensive Final Exam -December 19

(Note: There is no such grade as a D- at this university)

I reserve the right to exercise discretion in raising a student's grade if the final weighted average does not appear to reflect the quality of a student's work (for example, because of low performance one week due to illness). I will not use discretionary judgments to lower a student's final grade.

10% Homework: Each class period, a list of homework problems will be assigned from the textbook or online through myOpen math. This will be a minimal list of problems needed to understand the content to do well in this course. Doing the homework is extremely important. Plan to work on math everyday after class. The online assignments will be scored in canvas. The textbook assignments will be turned in on the day of the quiz/exam.

20% Quizzes and 50% Exams:

Quizzes will be given roughly every other week. There will be three unit exams and the final exam. These Must be taken **in class on the day scheduled**. Missing quizzes/exams will result in a **zero**, unless an accommodation is deemed appropriate. Quizzes and exams may only be made up in special circumstances:

- If a medical emergency occurs, contact the Dean of Students or the Disability Resource Center as soon as possible (* contact info. below *). Then we can see if an exception is in order. Check the university's COVID website as it is updated throughout the semester: <https://www.uwsp.edu/coronavirus/Pages/default.aspx> .
- If an unforeseen circumstance prevents you from being present in class. Contact me via email immediately. If the exam/quiz cannot be taken prior to the absence, an **alternate version** may be given.
- If a conflict will prevent you from taking a quiz or exam on the designated date/time, contact me as soon as possible to find out if it is possible to take the quiz/exam **EARLY** with the instructor.

20% Final Exam: The final exam will be cumulative, covering all of the content, taught in the course.

Electronics: Cell phones should be silenced and put away once class begins. I understand that occasionally you may want to take a picture of what is on the board. Otherwise, please put these devices away. Earphones/earbuds may not be used during class, quizzes, or exams. Cell phones and smart watches **MUST** be silenced and stowed in a backpack during quizzes and exams.

Incompletes: A grade of incomplete may be given when circumstances arise which are beyond the student's control, and which result in the student being unable to complete the course. A grade of incomplete will only be used if the student is passing when the circumstances arise.

Course Communication: Announcements, homework assignments, grade information, and other course information will be in Canvas. To access Canvas, go to <https://www.uwsp.edu>, choose Canvas from the "Logins" dropdown menu, and use your regular campus login ID and password.

- Email is an excellent way to contact me (lkennedy@uwsp.edu).
- I will send the class **emails using your UWSP address**. Please check your email daily.

Available Support:

Ask questions as they occur. Talk to me before or after class. Come to office hours or schedule an appointment. It my goal for all students to learn and build confidence in mathematics. I am committed to helping each student, I believe experience & exposure are the necessary components to achieve success.

Talk with other classmates about your work. Communication helps to identify the questions needed to be asked and can solidify understanding of the concepts.

Attendance Policy: Attendance is expected at every class meeting. It is socially responsible to take extra care to not spread germs. If you have a fever or are concerned based on symptoms like coughing/sneezing, please stay home. Email when the decision is made. It is the student's responsibility to make prompt arrangements for finding out what was missed and for making up any assigned work in the case of an absence. I recommend exchanging contact information with another student in this specific section of Math 107. Canvas is a great resource at these times.

Inclusivity Statement: It is my intent that all students from diverse backgrounds and perspectives be well-served by this course, that students' learning needs be addressed both in and out of class, and that the diversity brought by everyone in this class be viewed as a resource, strength, and benefit. It is my intent to present materials and activities that are respectful of diversity. I encourage you to make suggestions to this end. Please let me know ways to improve the effectiveness of the course for you personally, or for other students or student groups. If you have experienced a bias incident (an act of conduct, speech, or expression to which a bias motive is evident as a contributing factor regardless of whether the act is criminal) at UWSP, you have the right to report it using this [link](#). You may also contact the Dean of Students office directly at dos@uwsp.edu.

Accommodations: UWSP is committed to providing reasonable and appropriate accommodations to students with disabilities and temporary impairments. If you have a disability, acquire an impairment, or injury during the semester and you need assistance, please contact the **Disability Resource Center** as soon as possible, room 108 Collins Classroom Center (CCC), 715-346-3365, DATC@uwsp.edu, or [Disability Resource Center \(DRC\) - University of Wisconsin-Stevens Point \(uwsp.edu\)](#).

UWSP student responsibilities: All students are expected to know the UWSP student responsibilities found on the Dean of Students webpage. Information on Academic Concerns is available at <https://www.uwsp.edu/dos/Pages/stu-academic.aspx>. Information on Conduct Concerns and on Personal Concerns is also available on the Dean of Students site.

Lisa Kennedy's Fall Schedule

	Monday	Tuesday	Wednesday	Thursday	Friday
8:00-8:50					
9:00-9:50					
10:00-10:50		Math107 Science Building A225		Math107 Science Building A225	
11:00-11:50			Office Hours Science D212		
12:00-12:50					
1:00-1:50	Math 90 CCC 231	Math 90 CCC 231	Office Hours Math Pad or CCC 231 Math 90 Resource	Math 90 CCC 231	
2:00-2:50	Math 90 CCC 212	Math 90 CCC 212	Office Hours Math Pad or CCC 212 Math 90 Resource	Math 90 CCC 212	
3:00-3:50					