

Math 107: Algebra for Pre-Calculus 2 credits

Fall 2023 Syllabus

Associate Lecturer Lisa Kennedy Office: D221Science Building Phone: 715-346-2120 Email: lkennedy@uwsp.edu	Office Hours Monday & Wednesday 1:00-1:50 pm Science Building Room D221	Class Schedule MATH 107 - 11 Tues Thurs 10:00AM – 10:50PM Science Building A210
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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, function notation, & evaluation of functions/graphs.

Prerequisites:

a suitable score on the math placement test OR Math 95

Required Text:

Elementary & Intermediate Algebra, 5th edition, 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 with a “QWERTY” keyboard or built-in computer algebra systems are not allowed.

Learning Outcomes:

 Upon the successful completion of the course students 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. Analysis and implementation of several methods used to solve equations/inequalities problems to determine the appropriate method and solutions.

Canvas:

Course information will be provided. A weekly outline with links to materials will be posted. Including blank copies of notes, other handouts, review materials for exams, solutions, and current grade information.

Important Dates:

Exam Unit 1: *October 5, 2023*
Exam Unit 2: *November 9, 2023*
Exam Unit 3 & Final Exam: *5-7pm on Monday December 18, 2023*

Projected Pacing for Math107 Fall 2023

	Week	Sections	Topic
1	September 5-8	T: 8.4 TH: 8.5	Interval Notation & Solving Compound Inequalities Solving Absolute Value Equations Practice QUIZ
2	September 11-15	T: 5.1 TH: 5.2	Rules for Exponents Zero and Negative Exponents QUIZ
3	September 18-22	T: 9.2a TH: 9.2b	Rational Exponents Rational Exponents QUIZ
4	September 25-29	T: 6.1 TH: 8.6	Greatest Common Factor; Factoring by Grouping Review Factoring: GCF, Grouping, Trinomials QUIZ
5	October 2-6	T: 8.7 TH: Exam1	Review Factoring: The Difference of Two Squares Exam 1 Sections 8.4, 8.5, 5.1, 5.2, 9.2, 6.1, 8.6, 8.7
6	October 9-13	T: 7.1 TH: 7.2	Simplifying Rational Expressions Multiplying & Dividing Rational Expressions QUIZ
7	October 16-20	T: 7.3 TH: 7.4	Adding & Subtracting Rational Expressions Adding & Subtracting Unlike Denominators QUIZ
8	October 23-27	T: 7.5 TH: 7.6	Simplifying Complex Fractions Solving Rational Equations QUIZ
9	October 30 - November 3	T: 8.2 TH: 8.3	Functions Graphs of Functions QUIZ
10	November 6-10	T: Review TH: Exam 2	Review Unit 2 Exam 2 Sections 7.1 - 7.6, 8.2, 8.3
11	November 13-18	T: 11.1 TH: 11.2	Algebra & Composition of Functions Inverse Functions QUIZ
12	November 20-24	T: 11.3	Exponential Functions QUIZ Thanksgiving
13	November 27 - December 1	T: 11.4 TH: 11.5	Logarithmic Functions Base-e Exponential & Logarithmic Functions QUIZ
14	December 4-8	T: 11.6 TH: 11.7	Properties of Logarithms Exponential & Logarithmic Equations QUIZ
15	December 11-15	T: Review TH: Review	Review 11.1 - 11.5 Review Final Exam
16	Monday December 18	Exam 3 FINAL Exam	Exam 3 and Final Exam 5-7 pm CCC 101 Final Exam - All Course Content

Course Grade:

- 10% Homework
- 20 % Quizzes
- 50 % Exams
- 20% Comprehensive Final Exam - December 18

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

(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. 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. Work must be shown for full credit. The textbook assignments will be scored/turned in on the day of the exam. Late submission of assignments is docked 10% per day, zero points after 1 week.

20% Quizzes:

Quizzes will be given roughly every week. The intention of the quiz is a quick formative check on understanding of the current content. Quizzes will be short, usually 5-7 mins. Quizzes need to earn a 70% or above. If a quiz score is below 70%, the student should retake the quiz after learning the material. The highest quiz score will be recorded. Quiz retakes must be taken within 1-2 days after the return of the quiz. No retakes will be allowed after the unit exam.

50% Exams:

There are 3 unit exams and the final exam. These Must be taken **in class on the day scheduled**. Missing exams will result in a **zero**, unless an accommodation is deemed appropriate. 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. Then we can see if an exception is in order.
- If an unforeseen circumstance prevents you from being present in class. Contact me via email immediately. If the exam cannot be taken prior to the absence, an **alternate version** may be given.
- If a conflict will prevent you from taking an exam on the designated date/time, contact me as soon as possible to find out if it is possible to take the exam **EARLY** with the instructor.

20% Final Exam:

The final exam will be cumulative, covering all the content taught in the course.

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.

Electronics:

Cell phones should be silenced and put away once class begins. Earphones/earbuds should only be used when appropriate during class. Earphones/earbuds are prohibited during quizzes and exams. Cell phones and smart watches **MUST** be silenced and removed from your person during quizzes and exams.

Course Communication:

Email will be used to inform students of important information or changes for the class. Homework assignments, grades, 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.

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 you will miss class. 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 if absent.

Available Support:

- **Ask questions** as they occur during class. Talk to me before or after class. Come to office hours or schedule an appointment. It is my goal for all students to learn and build confidence in mathematics. I am committed to helping each student, experience & exposure are needed to achieve success.
- **Talk with classmates** about your work. Communication helps to identify the questions needed to be asked and can solidify understanding of the concepts. Exchange a cell phone number or email with another student in class.
- The **MathPad** is a free tutoring service and computer lab located in CCC 302 dedicated to working with students in MATH 90, 95, and 107. Whether you want to work on your homework assignments with somebody who can answer questions or just need help with a single question, please stop in whenever you can. We can also help you prepare for exams and quizzes. For questions, please contact Terry Rood (trood@uwsp.edu). **CCC 302 Mon - Thurs, 9am to 7 pm, and Fri, 9 am to 1 pm**
- The **Tutoring-Learning Center (TLC)** offers free one-on-one, group, and drop-in 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. The TLC helps students in all disciplines become more effective, confident learners. We believe all learners benefit from sharing work with knowledgeable, attentive tutors. To make an appointment, students can self-schedule using Navigate, contact us at tlctutor@uwsp.edu or 715-346-3568, or stop into CCC 234. <https://www3.uwsp.edu/tlc/Pages/CA-tutoring.aspx>
- **UWSP Technology Support**. Seek assistance from the **IT Service Desk**, IT Service Desk Phone: 715-346-4357, or IT Service Desk Email: itsvdesk@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.

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 (28)	Math 90 – 08 Science Building A207	Math 90 – 08 Science Building A207	Math 90 – 08 Science Building A207	Math 90 – 08 Science Building A207	
10:00-10:50 (36)		Math 107 – 11 Science Building A210		Math 107 – 11 Science Building A210	
11:00-11:50 (35)	Math255 – 03 Science Building A202	Math255 – 03 Science Building A202	Math255 – 03 Science Building A202	Math255 – 03 Science Building A202	
12:00-12:50	LUNCH	LUNCH	LUNCH	LUNCH	
1:00-1:50	Office Hours Science D221		Office Hours Science D221		
2:00-2:50 (30)	Math 90 - 05 Collins Classroom Center CCC 304	Math 90 – 05 Collins Classroom Center CCC 304	Math 90 – 05 Collins Classroom Center CCC 304	Math 90 – 05 Collins Classroom Center CCC 304	
3:00-3:50 (30)	Math 90 - 06 Collins Classroom Center CCC 304	Math 90 - 06 Collins Classroom Center CCC 304	Math 90 - 06 Collins Classroom Center CCC 304	Math 90 - 06 Collins Classroom Center CCC 304	