

Math 107—Algebra for Pre-Calculus, 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.

Gretchen Renfert	Help Hours	Course Meeting Times																
email: grenfert@uwsp.edu office: SCI B348 (Dept Phone: 715-346-2120)	<table border="0"> <tr> <td><u>Day</u></td> <td><u>Time</u></td> </tr> <tr> <td>W</td> <td>10-10:45 AM</td> </tr> <tr> <td>T & R</td> <td>2- 3:00 PM</td> </tr> <tr> <td colspan="2" style="text-align: center;"><i>or</i></td> </tr> <tr> <td colspan="2" style="text-align: center;"><i>by appointment</i></td> </tr> </table>	<u>Day</u>	<u>Time</u>	W	10-10:45 AM	T & R	2- 3:00 PM	<i>or</i>		<i>by appointment</i>		<table border="0"> <tr> <td><u>Day</u></td> <td><u>Time</u></td> <td><u>Room</u></td> </tr> <tr> <td>MTRF</td> <td>10– 10:50 AM</td> <td>SCI A208</td> </tr> </table> <p><i>Note:</i> This class does not meet Wednesday, but there is a “Help Hour” at that time (when there isn’t a department meeting).</p>	<u>Day</u>	<u>Time</u>	<u>Room</u>	MTRF	10– 10:50 AM	SCI A208
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Text (rental): *Elementary & Intermediate Algebra*, 5th edition by Alan S. Tussy & R. David Gustafson (Published by Cengage), customized for UWSP, ISBN: 978-1-111-56768-2

Calculators: You will need a scientific calculator during portions, but not all, of the course. Do not become too dependent on using a calculator.
 * Computers, cell phones, SMART watches, iPads or other tablets, and calculators with a “QWERTY” keyboard or built-in computer algebra systems are not allowed during exams.

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

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.

Course Grade: will be determined as follows:

20 % Quizzes	<u>Tentative Exam Dates:</u>
20 % Exam 1	Friday, Nov 5
20 % Exam 2	Tuesday, Nov 23
20% Exam 3	Thursday, Dec 9
<u>20%</u> Comprehensive Final Exam	5 – 7 PM Monday, Dec 13
100%	

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 one low exam score early in the course). I will not use discretionary judgments to lower a student’s final grade.

Homework: Almost every day a list of homework problems will be given in class. Each of these will be a *minimal* list of problems which you need to understand in order to do well in this course. Doing the homework is extremely important, so make sure you stay on top of it and ask questions on whatever you don't understand at the beginning of each class.

Attendance: I expect you to attend class regularly. If you must miss class, you should make every attempt to keep up with what was taught by checking CANVAS, following in your book and making every attempt to do the homework.

***Quizzes and Exams** will be taken **in class**. If you know ahead of time that a conflict will prevent you from taking a quiz or exam on the designated date and time, contact me as soon as possible to arrange to take the quiz or exam EARLY.

* **Missing an exam or quiz** will likely result in a **Zero**. If a dire emergency occurs, contact me as soon as possible to schedule a make-up quiz or exam. Your classmates' papers will not be returned if there are missing quizzes or exams yet to be completed.

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 need to be silenced and stowed in a backpack during quizzes and exams.

Incompletes: A course grade of "Incomplete" may be given if circumstances arise beyond your control and the you are unable to complete the course ***IF*** you were passing the course when the circumstances arose.

Disability Accommodations: Reasonable accommodations are available for students who have a documented disability. Please notify the instructor during the first week of class of any accommodations needed for the course. For information on accommodations available to students with disabilities, call 715-346-3365, visit the Disability and Assistive Technology Center in room 609 of the Learning Resources Center, or visit their website: <http://www.uwsp.edu/disability/Pages/default.aspx>.

Concerns: All students are expected to know the UWSP Community **Rights & Responsibilities** and the **Student Academic Standards and Disciplinary Procedures** found on the Dean of Students webpage at <https://www.uwsp.edu/dos/Pages/stu-academic.aspx> This is an excellent place for you to find more information about Academic Concerns, Conduct Concerns, Personal Concerns, and more.

For Academic Support:

- 1) Ask questions as they arise.
- 2) See me during my Help Hours, or check to see if I am available at other times.
- 3) **The Math Pad offers** tutoring ONLY for students enrolled in Math 90/95/107
- 4) **The Tutoring Learning Center (TLC)** is offering FREE one-to-one tutoring this semester.

Tutoring

The Tutoring-Learning Center (TLC) offers **FREE** 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 visit the TLC in ALB 018 (library basement), email (tlctutor@uwsp.edu), or call (715) 346-3568.

STEM Tutoring – Fall 2021

What	Location	Schedule	Cost
STEM Drop-In Tutoring	CBB 190	No appointment needed – stop by when tutors are available: https://www.uwsp.edu/tlc/Pages/dropInTutoring.aspx .	Free
STEM One-on-One Tutoring	ALB 018	By appointment. Visit ALB 018 (library basement) to make a request or complete online request form here: https://www.uwsp.edu/tlc/Pages/request-math-science-tutoring.aspx .	Free

“The Math Pad”: Tutoring ONLY for Math 107/95/90 students **CCC 302** (email to follow)

Gretchen Renfert’s Schedule:

	Monday	Tuesday	Wednesday	Thursday	* Friday
8:00 - 8:50					
9:00 - 9:50					
10:00 - 10:50	Math 107.7 SCI A208	Math 107.7 SCI A208	Dept Meeting	Math 107.7 SCI A208	Math 107.7 SCI A208
11:00 - 11:50	Math 118.1 SCI A208	Math 118.1 SCI A208	Math 118.1 SCI A208	Math 118.1 SCI A208	
12:00 - 12:50	<i>Lunch</i>				
1:00 - 1:50	Math 109.3 SCI A210	Math 109.3 SCI A210	Math 109.3 SCI A210	Math 109.3 SCI A210	
2:00 - 2:50		Office Hr SCI B348	Office Hr SCI B348		
3:00 - 3:50					
4:00 - 4:50					

Tentative 7-Week Schedule

Week	Dates	Sections	Topic
1	Oct 25 - 29	M: 8.4 T: 8.5 R: 9.2a F: 9.2b	Interval Notation & Solving Compound Inequalities Solving Absolute Value Equations Rational Exponents Rational Exponents
2	Nov 1 - 5	M: 6.1 T: 8.6 R: 8.7 F: Exam 1	Greatest Common Factor; Factoring by Grouping Review Factoring: GCF, Grouping, Trinomials Review Factoring: The Difference of Two Squares 8.4, 8.5, 9.2, 6.1, 8.6, 8.7
3	Nov 8 - 12	M: 7.1 T: 7.2 R: 7.3 F: 7.4	Simplifying Rational Expressions Multiplying & Dividing Rational Expressions Adding & Subtracting Rational Expressions Adding & Subtracting with Unlike Denominators
4	Nov 15 - 19	M: 7.5 T: 7.6 R: 8.2 F: 8.3	Simplifying Complex Fractions Solving Rational Equations Functions Graphs of Functions
5	Nov 22 - 23	M: 11.1 T: Exam 2	Algebra & Composition of Functions 7.1 - 7.6, 8.2, 8.3 Thanksgiving
6	Nov 29 - Dec 3	M: 11.2 T: 11.3 R: 11.4 F: 11.5	Inverse Functions Exponential Functions Logarithmic Functions Base- e Exponential & Logarithmic Functions
7	Dec 6 - 10	M: 11.6 T: 11.7 R: Exam 3 F: Review	Properties of Logarithms Exponential & Logarithmic Equations 8.2, 8.3, 11.1 - 11.5 Review for Final Exam
Final Exam	Mon, Dec 13	All Course Content	5 - 7 PM, SCI A208