MATH 107-04: Algebra for Pre-Calculus   Fall 2022

Instructor

Katie Holt
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Office: SCI D260
Office Hours in SCI D260: Mondays and Wednesdays 3:00pm-4:00pm
Zoom Office Hours: Tuesdays 3:45pm-4:45pm

Class Schedule

October 31 – December 16; MoTuWeTh 1:00pm – 1:50pm, Science Building (SCI) A201

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.
Prerequisite(s): MATH 95 or suitable placement score

Required Materials

- Text: Elementary and Intermediate Algebra, 5th Edition by Tussy and Gustafson.
- Calculator: You may use any four-function, scientific, or graphing calculator without a computer algebra system. **Cell phone calculators will not be allowed on exams.** Please check with me if you have any questions about calculators.

Grading

Your final grade will be based on your effort and success with two graded chapter tests, the final exam, and online homework assignments.

Final Grade Weights:
   - Assignments: 35%
   - Chapter Tests: 40%
   - Final Exam: 25%

Assignments: Daily homework assignments will be completed in Canvas. Each section of every chapter we cover will have assigned homework problems that will be due the day of the scheduled exam, an hour before the exam. Online homework will not be reopened for late submission of work for any reason – a malfunctioning computer is not an acceptable excuse for not finishing homework. Lowest two homework section grades will be dropped at the end of the course.

Chapter Tests: Tests on chapter material will be done on paper in class. Partial credit will be given for all problems when appropriate. You may use calculators, but no notes, formula sheets, or books are allowed unless stated otherwise. *Make-up chapter tests will not be allowed* unless an excused absence has been documented. Please contact me before the test if you know there is going to be an issue.

Final Exam: There will be a final exam in person in **SCI D102 on December 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 tests and final exam will be mostly based on what we cover in class.

Tentative Schedule

Item	Tentative Date(s)
Online Homework	Ongoing
Test 1: Sections 8.4, 8.5, 5.1, 5.2, 9.2, 6.1, 8.6, 8.7	**November 15**
Test 2: Sections 7.1, 7.2, 7.3, 7.4, 7.5, 7.6, 8.2, 8.3	**December 1**
Cumulative Final Exam, *including sections 11.1, 11.2, 11.3, 11.4, 11.5, 11.6, 11.7*	**December 19, 5pm** *(Definitive Date)*

Sections to be covered

8.4 Solving compound inequalities 8.5 Solving absolute value equations and inequalities 5.1 Rules for Exponents 5.2 Zero and Negative Exponents 9.2 Rational Exponents 6.1 Greatest Common Factor; Factoring by Grouping 8.6 Review of Factoring Methods: GCF, Grouping, Trinomials 8.7 Review of Factoring Methods: The Difference of Two Squares; The Sum of Cubes	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 8.2 Functions (Basics only) 8.3 Graphs of Functions (Basics only)	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

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+	60%-66%	D		
87%- 89%	B+	74%-76%	C	0%-59%	F		
84%- 86%	B	70%-73%	C-				

Tutoring-Learning Center (TLC)

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.

- STEM Tutoring: https://www3.uwsp.edu/tlc/Pages/CA-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
    - IT Service Desk Phone: 715-346-4357
    - IT Service Desk Email: itsvdesk@uwsp.edu

University Policy Regarding Students with Disabilities

If you have a documented disability and verification from the Disability Resource 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 DRC and meet with a counselor to request special accommodation before classes start. The DRC is located in CCC 108 and can be contacted by phone at (715) 346-3365 or via email at drc@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.