



**MATH 107 College Algebra**  
**Fall 2018 Syllabus - 2 credits (7 weeks)**

<b>Instructor:</b>	<b>Deema Fathi Allan</b>	<b>Office Hours:</b>	10:00 AM – 11:00 AM Mon, Tues
<b>Office:</b>	D260- Science Building		<b>Note:</b> Additional office hours can be scheduled by appointments.
<b>Phone:</b>	715-346-4222	<b>Class Time &amp; Place:</b>	Monday – Thursday 4:00 PM – 4:50 PM
<b>E-mail:</b>	<a href="mailto:dallan@uwsp.edu">dallan@uwsp.edu</a>	<b>Final Exam Time &amp; Location:</b>	December 17 <sup>th</sup> , 2018 5:00 PM – 7:00 PM

**Prerequisite:** *Math 95 or suitable Placement Test Score*

**Textbook:** *Elementary and Intermediate Algebra 5<sup>th</sup> edition, by Alan S. Tussy and R. David Gustafson.*

**Course Description:** This course is designed to enhance students' knowledge and mathematical skills in the various topics of College Algebra which include the followings: Solve Compound Inequalities and Absolute Value Equations, Factoring Method: GCF, Grouping, Trinomials and Simplifying Complex Fractions, Algebra and Composition of Functions, Inverse Functions, Exponential Functions and Logarithmic Functions

**Course Objectives and Learning Outcomes:** Students who successfully complete this course will be able to:

- Solve Compound Inequalities, Absolute Value Equations and their applications.
- Review of Factoring Method: GCF, Grouping, Trinomials.
- Use the properties of exponents and perform operations using scientific notation.
- Simplifying Complex Fractions, Algebra and Composition of Functions, Inverse Functions, Exponential Functions and Logarithmic Functions
- Convert between Base- Exponential and Logarithmic Functions.
- Understand radical functions and rational expressions.



## Department of Mathematical Sciences

**MathPad:** CCC-302, MathPad is both a classroom and tutoring lab for students enrolled in MATH 90/95/107 courses.

**Calculators:** Students must have any four-function, scientific, or graphing calculator for this class, except calculators including pocket organizers, handheld or laptop computers, electronic writing pads or pen-input devices (the Sharp EL 9600 is permitted), calculators built into cellular phones or other wireless communication devices, calculators with a typewriter keypad with keys in QWERTY format (calculators with letter keys not in QWERTY format are permitted), calculators with built-in computer algebra systems, prohibited calculators in this category include: Casio: Algebra fx 2.0, ClassPad 300, and all model numbers that begin with CFX-9970G, Texas Instruments: All model numbers that begin with TI-89 or TI-92, and TI-Nspire CAS, Hewlett-Packard: hp 48GII and all model numbers that begin with hp 40G or hp 49G.

**Exam Make-Up Policy:** There will be no Make-up Quizzes or Exams with the exception of documented emergencies or pre-arranged university approved functions. If you know you will miss an exam you must notify your instructor at least 24 hours before the exam. If you will have to reschedule an exam due to a university-approved and documented outing, please notify your instructor during the first week of class.

**Attendance Policy:** Attendance will be taken in every class and students are expected to make the effort to not miss any lecture except when serious reasons occur; illness, family emergencies or any other university sponsored activities and then only student may be excused upon notifying the instructor prior to the class by e-mail or providing documentation of an emergency. If you miss more than 4 classes, there will be a **10% penalty on your final grade.**

**Additional information:** Final exam is a comprehensive exam which includes all the material covered throughout the course. Tests are set up to evaluate students on each chapter covered. A quiz consists of up to Five exercises testing students on the most recently covered material.

### **Students Evaluation:**

<b>Evaluation</b>	<b>Explanation</b>	<b>Weight</b>	<b>Date</b>	<b>Time</b>	<b>Material</b>	<b>Location</b>
Homework	Daily	20%	TBA	Class Time	TBA	In Class
Quizzes	3 quizzes	15% (5% each)	TBA	Class Time	TBA	In Class
Tests	3 Tests	45% (15% each)	TBA	Class Time	TBA	In Class
Final Exam	-	20%	Dec 17 <sup>th</sup> 2018	5:00 PM – 7:00 PM	Comprehensive	TBA



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**Grading System:**

Percentage	Letter grade
92 – 100	A
90 – 91	A-
88 – 89	B+
82 – 87	B
80 – 81	B-
78 – 79	C+
74 – 77	C
72 – 73	C-
69 – 71	D+
65 – 68	D
Below 65	F

**Miscellaneous:** Please turn off cell phones, iPhones, notebook computers, etc.... before class. Any behavior that may disrupt the learning environment will not be tolerated. Texting in class will not be tolerated. Please be considerate of your fellow students and instructor.

**UW-Stevens Point policies related to Harassment, Discrimination and Retaliation Prevention**

The University of Wisconsin-Stevens Point (UWSP) is committed to fostering an environment that is safe and respectful to students and employees. The UWSP policies regarding Harassment, Discrimination and Retaliation Prevention can be found in the below link:

[Harassment, Discrimination, and Retaliation Prevention webpage.](#)



COVERED TOPICS

<b>Week</b>	<b>Section</b>	<b>Material to be Covered</b>
<b>1</b>	8.4 8.5	Solving Compound Inequalities. Solving Absolute Value Equations.
<b>2</b>	5.1 5.2 9.2	Rules for Exponents. Zero and Negative Exponents. Rational Exponents.
<b>3</b>	6.1 8.6  8.7	Greatest Common Factor; Factoring by Grouping Review of Factoring Method: GCF, Grouping, Trinomials.  Review of Factoring Methods; The Difference of Two Squares.
<b>4</b>	7.1 7.2 7.3 7.4	Simplifying Rational Expressions. Multiplying and Dividing Rational Expressions. Adding and Subtracting Rational Expressions. Adding and Subtracting with Unlike Denominators.
<b>5</b>	7.5 7.6 8.2 8.3	Simplifying Complex Fractions. Solving Rational Equations Functions Graphs of Functions
<b>6</b>	11.1 11.2 11.3 11.4	Algebra and Composition of Functions Inverse Functions Exponential Functions Logarithmic Functions
<b>7</b>	11.5 11.6 11.7	Base- Exponential and Logarithmic Function Properties of Logarithms Exponential and Logarithmic



Department of Mathematical Sciences

**Tutoring-Learning Center (TLC) Fall 2018 Support**

The Department of Mathematical Sciences and the Tutoring-Learning Center (TLC) offer free drop-in and group tutoring to support you in your math classes. In addition, the TLC offers the option for individual math tutoring sessions. 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](mailto:tlctutor@uwsp.edu)), or call (715) 346-3568 for information.

**Math and Science Tutoring – Fall 2018**

What	Details	Schedule	Cost
Drop-In Tutoring Center	DUC 205	<a href="https://www.uwsp.edu/tlc/Pages/dropInTutoring.aspx">https://www.uwsp.edu/tlc/Pages/dropInTutoring.aspx</a>	Free
Group Tutoring	Based on course section	<a href="https://www.uwsp.edu/tlc/Pages/schedules.aspx">https://www.uwsp.edu/tlc/Pages/schedules.aspx</a>	Free
One-on-One Tutoring	By appointment	Visit ALB 018 (library basement) to make a request. <a href="https://www.uwsp.edu/tlc/Pages/CA-tutoring.aspx">https://www.uwsp.edu/tlc/Pages/CA-tutoring.aspx</a>	\$9.00/session* <i>*Fee waived for students listed as low-income</i>
Math Room	SCI A113A	<a href="https://www.uwsp.edu/mathsci/Pages/tutoring.aspx">https://www.uwsp.edu/mathsci/Pages/tutoring.aspx</a>	Free
MathPad <i>*Math 90, 95, 107 only</i>	CCC 302	<a href="https://www.uwsp.edu/mathsci/Pages/tutoring.aspx">https://www.uwsp.edu/mathsci/Pages/tutoring.aspx</a>	Free
Physics Room	SCI A105	<a href="https://www.uwsp.edu/physastr/Pages/Tutoring.aspx">https://www.uwsp.edu/physastr/Pages/Tutoring.aspx</a>	Free



University of Wisconsin  
**Stevens Point**

Department of Mathematical Sciences

**FALL SEMESTER 2018 - DEEMA FATHI ALLAN**

	Monday	Tuesday	Wednesday	Thursday	Friday
9:00 AM					
10:00 AM	OFFICE HOURS	OFFICE HOURS			
11:00 AM					
12:00 PM					
1:00 PM					
2:00 PM					
3:00 PM					
4:00 PM	Math 107	Math 107	Math 107	Math 107	
5:00 PM	Math 107	Math 107	Math 107	Math 107	
6:00 PM	Math 90	Math 90	Math 90	Math 90	