



**MATH 90 Beginning Algebra**  
**Fall 2018 Syllabus - 3 credits**

<b>Instructor:</b>	<b>Deema Fathi Allan</b>	<b>Office Hours:</b>	10:00 AM – 11:00 AM Mon, Tues, <b>Note:</b> Additional office hours can be scheduled by appointments.
<b>Office:</b>	D20- SCI		
<b>Phone:</b>	715-346-4222	<b>Class Time &amp; Place:</b>	Monday – Thursday 6:00 PM – 6:50 PM SCI-A207
<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

**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 excel students' math skills and knowledge in basic algebra which include the following Topics: basic properties of real numbers, solving linear equations, exponents, factoring, fractions; problem solving; the concept of graphing equations in two variables. Real-world applications.

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

- Understand the fundamentals of algebra.
- Definition of real numbers.
- Solve linear equations, inequalities, and their applications.
- Graph linear equations in two variables by plotting, using the slope, and determining the intercepts.
- Use the properties of exponents and perform operations using scientific notation.
- Add, subtract, divide and multiply polynomials.
- The Greatest Common Factor; Factoring by Grouping
- Proportions and Similar Triangles



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**MathPad:** CCC-302, the class will be held in MathPad room every [Thursday](#).

**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.

**Additional information:** Final exam is a common exam with all other sections and will be graded uniformly. Homework, quizzes and tests are set up and graded by instructors for their own sections. A quiz consists of up to Three exercises testing students on the most recently covered material. Quizzes take up to 20 minutes to complete.

### **Students Evaluation:**

<b><i>Evaluation</i></b>	<b><i>Explanation</i></b>	<b><i>Weight</i></b>	<b><i>Date</i></b>	<b><i>Time</i></b>	<b><i>Material</i></b>	<b><i>Location</i></b>
Homework	Weekly	20%	TBA	Class Time	TBA	In Class/ WEBASSIGN
Quizzes	5 quizzes	20% (4% each)	TBA	Class Time	TBA	In Class/ WEBASSIGN
Tests	4 Tests	40% (10% 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	<b>A</b>
90 – 91	<b>A-</b>
88 – 89	<b>B+</b>
82 – 87	<b>B</b>
80 – 81	<b>B-</b>
78 – 79	<b>C+</b>
74 – 77	<b>C</b>
72 – 73	<b>C-</b>
69 – 71	<b>D+</b>
65 – 68	<b>D</b>
Below 65	<b>F</b>

**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>	1.1 1.2	Introducing the Language of Algebra Fractions
<b>2</b>	1.3 1.4 1.5	The Real Numbers Adding Real Numbers; Properties of Addition Subtracting Real Numbers
<b>3</b>	1.6 1.7 1.8	Multiplying and Dividing Real Numbers; Multiplication and Division Properties Exponents and Order of Operations Algebraic Expressions



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<b>4</b>	1.9 2.1	Simplifying Algebraic Expressions Using Properties of Real Numbers Solving Equations Using Properties of Equality
<b>5</b>	2.2 2.3 2.4	More about Solving Equations Applications of Percent Formulas
<b>6</b>	2.5 2.6	Problem Solving More about Problem Solving
<b>7</b>	3.1 3.2 3.3	Graphing Using the Rectangular Coordinate System Graphing Linear Equations Intercepts
<b>8</b>	5.1 5.2 5.3	Rules for Exponents Zero and Negative Exponents Scientific Notation
<b>9</b>	5.4 5.5 5.6	Polynomials Adding and Subtracting Polynomials Multiplying Polynomials
<b>10</b>	5.7 5.8	Special Products Dividing Polynomials
<b>11</b>	6.1 6.2	The Greatest Common Factor; Factoring by Grouping Factoring Trinomials of the Form $x^2 + bx + c$
<b>12</b>	6.3 6.4	Factoring Trinomials of the Form $ax^2 + bx + c$ Factoring Perfect-Squares Trinomials and the Difference of Two Squares
<b>13</b>	6.6 6.7	A Factoring Strategy Solving Quadratic Equations by Factoring
<b>14</b>	10.2.2 7.1 7.8	The Quadratic Formula Simplifying Rational Expressions Proportions and Similar Triangles
<b>15</b>		<b><u>Revision for the Final Exam.</u></b>

***\*Every Thursday, Class will be held in MathPad Room***



## 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/phyastr/Pages/Tutoring.aspx">https://www.uwsp.edu/phyastr/Pages/Tutoring.aspx</a>	Free

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### FALL SEMESTER 2018 - DEEMA FATHI ALLAN

	Monday	Tuesday	Wednesday	Thursday	Friday
9:00 AM					
10:00 AM	OFFICE	OFFICE	OFFICE		
11:00 AM					
12:00 PM					
1:00 PM					
2:00 PM					
3:00 PM					
4:00 PM	Math 95	Math 95	Math 95	Math 95	
5:00 PM	Math 95	Math 95	Math 95	Math 95	
6:00 PM	Math 90	Math 90	Math 90	Math 90	