

# COURSE SYLLABUS

<b>Course Title:</b>	Special Topic: Pre/Elementary Algebra Combined	<b>Date submitted:</b>	9/27/12 (AAC: 12-63)	
<b>Department:</b>	Mathematics/Science			
<b>Curriculum:</b>	Mathematics			
<b>Course Descriptors:</b> Make certain that the course descriptors are consistent with college and Board of Trustees policies, and the current course numbering system.	<b>Course Code:</b> (eg. ACC 101) <table border="1"><tr><td>MAT*298</td></tr></table>	MAT*298	<b>Prerequisites:</b>	
	MAT*298			
	<b>Course Type:</b> <table border="1"><tr><td>Y</td></tr></table>	Y	Appropriate score on Accuplacer	
	Y			
	A: Clinical B: Lab D: Distance Learning I: Individual/Independent L: Lecture N: Internship M: Seminar P: Practicum U: Studio X: Combined Lecture/Lab Y: Combined Lecture/ Clinical/Lab Z: Combined Lecture/Studio			
	<b>Elective Type:</b> <table border="1"><tr><td>N/A</td></tr></table>	N/A		
	N/A			
	AH: Art History E: English FA: Fine Arts G: General HI: History HU: Humanities LA: Liberal Arts FL: Foreign Language M: Math S: Science SS: Social Science			
	<b>Credit Hours:</b> <table border="1"><tr><td>4</td></tr></table>	4	<b>Corequisites:</b>	
	4			
<b>Developmental:</b> (yes/no) <table border="1"><tr><td>yes</td></tr></table>	yes	None		
yes				
Lecture: <table border="1"><tr><td>3</td></tr></table>	3			
3				
Clinical: <table border="1"><tr><td>0</td></tr></table>	0			
0				
<b>Contact Hours:</b>				
Lab: <table border="1"><tr><td>1</td></tr></table>	1			
1				
Studio: <table border="1"><tr><td>0</td></tr></table>	0			
0				
Other: <table border="1"><tr><td>0</td></tr></table>	0			
0				
TOTAL: <table border="1"><tr><td></td></tr></table>				
<b>Class Maximum:</b> <table border="1"><tr><td>27</td></tr></table>	27	<b>Other Requirements:</b>		
27				
<b>Semesters Offered:</b> <table border="1"><tr><td>F/SP/S</td></tr></table>	F/SP/S	None		
F/SP/S				
<b>Ability Based Education (ABE) Statement</b>	At Tunxis Community College students are assessed on the knowledge and skills they have learned. The faculty identified the General Education Abilities critical to students' success in their professional and personal lives. In every class, students are assessed on course abilities, sometimes program abilities, and, in most classes, at least one General Education Ability. Students will receive an evaluation of the degree to which they have demonstrated or not demonstrated that General Education Ability.			
<b>Catalog Course Description:</b>	This one-semester course takes students from Prealgebra through the end of Elementary Algebra in one semester. The topics covered will be the same as those covered in Elementary Algebra with additional support provided to review topics from Prealgebra as they are needed. The students will spend 3 hours in the classroom and 1 hour in a lab environment.			
<b>Topical Outline:</b> List course content in outline format.	1. four operations on real numbers, algebraic expressions, related equations, word problems, and order of operations  2. solving linear equations and inequalities in one variable, solving related formulas and word problems			

	<ol style="list-style-type: none"> <li>3. graphing linear equations and inequalities in two variables; formulating equations of lines in two variables; related word problems</li> <li>4. rules of integral exponents; four operations on polynomials</li> <li>5. factoring of polynomials</li> <li>6. solving systems of two linear equations in two unknowns and related word problems</li> </ol>
<p><b>Outcomes:</b> Describe measurable skills or knowledge that students should be able to demonstrate as evidence that they have mastered the course content.</p>	<p><b>Upon successful completion of this course, the student will be able to do the following:</b></p> <ol style="list-style-type: none"> <li>1. solve linear equations, formulas and inequalities in 1 variable and related word problems</li> <li>2. graph and formulate equations of lines in two variables; solve related word problems</li> <li>3. graph inequalities in two variables; solve related word problems</li> <li>4. apply the rules of integral exponents and the 4 operations on polynomials</li> <li>5. apply factoring to polynomials</li> <li>6. solve systems of two linear equations in two unknowns and related word problems</li> </ol> <p><b>PROGRAM:</b> <i>does not apply</i></p> <p><b>GENERAL EDUCATION:</b> <i>(Numbering reflects General Education Outcomes as they appear in the college catalog)</i></p>
<p><b>Evaluation:</b> List how the above outcomes will be assessed.</p>	<p><b>Assessment will be based on the following criteria:</b></p> <ol style="list-style-type: none"> <li>1. Quizzes</li> <li>2. Tests</li> <li>3. Classroom assessments</li> <li>4. Labs</li> <li>5. Departmental Final exam (required for all sections)</li> </ol>
<p><b>Instructional Resources:</b> List library (e.g. books, journals, on-line resources), technological (e.g. Smartboard, software), and other resources (e.g. equipment, supplies, facilities) required and desired to teach this course.</p>	<p><b>Required:</b> Lab classroom for 1 hour a week, access to MyMathLab <b>Desired:</b></p>
<p><b>Textbook(s)</b></p>	<p><u>Introductory and Intermediate Algebra</u>, 4th edition by Bittinger/Beecher</p>