

<b>Course Title</b>	<b>Applied Geometry Mth 85</b>
<b>Standards Taught</b>	<p>HS.AEE.A Use algebraic reasoning to rewrite expressions in equivalent forms</p> <p>HS.AEE.B Use algebraic reasoning to find solutions to an equation, inequality, and systems of equations or inequalities.</p> <p>HS.NQ.A Understand and apply the real number system</p> <p>HS.NQ.B Attend to units of measurement needed to solve problems through quantitative reasoning and mathematical modeling.</p> <p>HS.GM.C Solve problems and interpret solutions of area and volume of shapes by applying concepts of congruence, similarity, symmetry in authentic contexts.</p> <p>HS.GM.D Apply concepts of right triangle trigonometry in authentic contexts to solve problems and interpret solutions.</p>
<b>Instruction Materials Referenced</b>	<p>Textbook: Elementary Technical Mathematics Ewen</p> <p>Supplementary Materials</p> <p>Delta Math</p>
<b>Content Outline</b>	
<b>Unit 1</b>	<ul style="list-style-type: none"> <li>● Order of Operations &amp; Formulas</li> </ul>
<b>Unit 2</b>	<ul style="list-style-type: none"> <li>● Metric System</li> </ul>
<b>Unit 3</b>	<ul style="list-style-type: none"> <li>● Length, Units, Area, Mass, Weight, Volume</li> </ul>
<b>Unit 4</b>	<ul style="list-style-type: none"> <li>● Metric &amp; US Conversion</li> </ul>
<b>Unit 5</b>	<ul style="list-style-type: none"> <li>● Algebra Review</li> </ul>

<b>Unit 6</b>	<ul style="list-style-type: none"><li>● Ratio and Proportion</li></ul>
<b>Unit 7</b>	<ul style="list-style-type: none"><li>● Polygon &amp; Circle Geometry</li></ul>
<b>Unit 8</b>	<ul style="list-style-type: none"><li>● 3 Dimensional Geometry</li></ul>
<b>Unit 9</b>	<ul style="list-style-type: none"><li>● Right Angle Trigonometry</li></ul>
<b>How will students demonstrate the learning?</b>	Student demonstrations Individual and group presentations Teacher observations Critiques Oral assessment Projects Tests and quizzes Performance tasks