

**South Hadley High School**  
"A Tradition of Excellence"

*We pledge to create a challenging and supportive academic community in which each member strives to develop his/her potential, to become a life-long learner, and to act as a responsible citizen in a diverse and global society.*

**CP Geometry Syllabus**

<b>Course Description / Prerequisites</b>	
<p><b># 3212 Geometry</b> (6 credits Full Year)  <b>Prerequisite:</b> <i>Minimum Grade of D in Algebra 1 or Algebra 1B</i>            This is a college preparatory program that provides students with tools for understanding all dimensions of geometry: drawing, measurement, visualization, deductive proof, algebraic and numeric representations. Students will gain experience with isometries, non-traditional problems, and complete projects that connect geometry with the real world.</p>	
<b>Course Objectives / Outcomes / Expectations/ Topics</b>	
<p>Students will study:</p> <ul style="list-style-type: none"> <li>• Geometric reasoning</li> <li>• Segment measure and coordinate graphing</li> <li>• Angles</li> <li>• Parallel lines, segments, and rays</li> <li>• Triangles and congruence</li> <li>• Segment relationships within triangles</li> <li>• Quadrilaterals</li> <li>• Proportions and similarity</li> <li>• Polygons and area</li> <li>• Circles and circle relationships</li> <li>• Surface area and volume</li> <li>• Right triangles and trigonometry</li> </ul>	
<b>South Hadley High School's Learning Expectations</b>	
<ul style="list-style-type: none"> <li>❖ E2: Define, analyze, and solve complex problems and communicate results.</li> <li>❖ E4: Demonstrate personal, social and civic responsibility.</li> <li>❖ E5: Acquire, apply, integrate, analyze, and synthesize knowledge.</li> </ul>	
<b>Text and Resources Required</b>	
<p>Text: <u>Geometry Concepts and Applications</u>      Glencoe McGraw-Hill, c.2001            Scientific calculator, notebook, pencil</p>	
<b>Course Assessments</b>	
<p>Grade based on: Tests, Quizzes, Homework, and Classwork            MidYear Exam    1/18<sup>th</sup> of final grade            Final Exam        1/18<sup>th</sup> of final grade</p>	