

**GEOMETRY COURSE SYLLABUS**  
**SMITH PREP FALL TERM 2010**  
**INSTRUCTOR: Matt West**

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WEB PAGE: Any resources that are needed will be in the Training Series section of my webpage (<http://www.ProfWest.com>).

CLASS HOURS: 9:00-10:45 THU

**A. DESCRIPTION**

This course is an introduction to *Geometry*. This class will take the basic Algebra skills learned in Algebra I and give the student the knowledge necessary to participate in the Advanced Algebra II class. The teacher has determined the subjects that are most necessary to cover, and those are the topics we will cover. If there is an area that you feel we need to cover, please see me during the first month and I will try to make sure it is included. This class also requires that the student have graph paper ready. It will not be used in each class, but it will be used in many.

**B. GRADING PLAN**

1. Homework	10%
2. Tests	90%

**HOMEWORK:**

Homework will be given for every class. Homework is given where the answers are in the back of the book. You will be graded on completion and effort. "Good effort" is graded according to the type of problems assigned. Including diagrams, showing work, copying down the original problem, and following directions are all signs of "Good effort". If it is suspected that you are not trying, the right to grade the homework for its correctness is reserved.

**TESTS:**

There will be a total of six tests given (one over chapters 1-2 and one each for chapters 3-7). There will be an opportunity given for a proof that will drop the lowest test grade if done correctly.

**C. YOUR IDEAS, EVALUATIONS, ETC.**

In general, your ideas, comments, suggestions, questions, etc. are welcome. Your discretion in these matters is expected, however. No part of your grade will be based on anything other than your coursework. I will attempt to teach the material and be very clear about what is on each test or quiz. If there is anything you do not understand or do not feel was made clear, I would love to work with you.

**D. SUGGESTIONS FOR SUCCESS**

For most students this will not be a "difficult" course. If you do the work assigned each week and understand it, you will be set for success. If you decide to not do your work or merely go through the motions and do not understand it, you could find yourself with a very difficult class. If you do not understand the homework one evening, call or email me, so I can help you with it.

**E. GEOMETRY IN CLASSICAL EDUCATION**

This course should coincide with much of your other learning, as it is based on the proof. We will reinforce skills learned in other areas. The student should certainly not look at this class as a stand alone education.

# **FALL 2010 WEEK BY WEEK SCHEDULE**

August 19, 2010

Language of Geometry

August 26, 2010

Algebra Review and  
Introduction to Reasoning & Logic

September 2, 2010

Introduction to the Proof

September 9, 2010

Test over Chapters 1-2  
Parallels and Transversals

September 16, 2010

Slopes and Distance

September 23, 2010

Test over Chapter 3  
Classifying Triangles

September 30, 2010

Isosceles Triangles and  
Tests for congruency

October 7, 2010

More Tests for Congruency

October 21, 2010

Test over Chapter 4  
Special Segments and Right Triangles

October 28, 2010

Indirect Proofs and Inequalities

November 4, 2010

Scientific Notation & Special Products

November 11, 2010

Test over Chapter 5  
Proportions

November 18, 2010

Similarity

December 2, 2010

Test over Chapter 7  
Parallelograms and Squares

December 9, 2010

Rectangles and Rhombi  
Trapezoids

December 16, 2010

Test over Chapter 6