Math 214B Projective Geometry

Course Outline

Professor: Thomas Mattman
Office: Holt 144

Office Hours: MWF 12:00-12:50 & R 11:00-12:00

E-mail: TMattman@CSUCHico.edu or by appointment,

Phone: 898-5345 or by chance.

Web Page: http://www.csuchico.edu/math/mattman

Lectures: W 6:00-8:30, Butte 111


<table>
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<tr>
<th>Class Test 1 (October 3)</th>
<th>30%</th>
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<td>Grading Scheme:</td>
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<td>Class Test 2 (November 14)</td>
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<td>Final Exam (December 19)</td>
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Class Objectives:

The class will be taught using a modified Moore, or Socratic, method. This means that students will be responsible for preparing and presenting proofs of assigned problems as well as refereeing the work of their peers. I will prepare a summary of our conclusions each week so that you will have a record to study from in preparation for the tests and exam. The two class tests will consist of three problems, while the final will consist of four problems drawn from the material covered in the preceding weeks.

Assigned Problems from Section 1.3:

Theorem 1.1, Theorem 1.2, Problems 6, 7, 8, 9, 10, 12, 13, 14, 15, 16, 17, and 20.

Note: Problem 13 refers to squares. This requires a definition for square. Please come to class next week with a definition of square (which makes sense using the axioms of three-point geometry).

Assigned Problems from Section 1.4:

Theorem 1.3, Theorem 1.4, Theorem 1.5, Theorem 1.6, Problems 6, 8, 9, 11, 12, 18, 20, 21, 22, 23, 24, and 28.