

KRCC
Math 2, Geometry, #1189
Spring 1998 - Course Syllabus

Instructor: Ms. Cindy Montgomery, ext. 365, Office, FE-4F

Office Hours: MW 10:30-11:30, and by appointment

Class Meets: MWF 8:25-9:50 a.m.

Materials: Text: Discovering Geometry(Michael Serra), compass, protractor with ruler on the straight edge with both metric & standard measurements or a protractor and a ruler that has both metric & standard measurements, binder paper for 3 hole punch folder or binder, folder or binder for portfolio with three hole brad or clasp, graph paper will be required later in the semester, you may also want to purchase tracing paper for geometric constructions, this is optional.

Course Description: The course will include the following topics; angles, parallel lines, congruent & similar triangles, circles, geometric constructions, right triangle trigonometry, applications of formulas for perimeters, area, and volumes of geometric figures. Logic and deductive reasoning.

Course Goals: To acquire a deeper understanding of geometry and its applications. Develop problem solving skills and written and oral geometry communication skills in a small group setting.

Attendance: Roll will be taken at the beginning of each class. If you are late, please notify me at the end of class (this is your responsibility), otherwise, you will be marked absent. After **three consecutive unexcused absences, you may be dropped from the class.** The instructor may elect to **drop a student if he/she has five or more absences.** However, if a student wants to drop the class, it is the students responsibility to do so. **Leaving class early without instructors permission will be counted as an absence.**

Tardies: Two tardies may be counted as one absence.

In class participation: On various days throughout the semester in class workshops will be held. After lecture students will be assigned to a group of 2-3 students to work on geometry problems. All group participants will work together on these problems. **Your primary goal will be that everyone in your group understands each problem or conjecture completed. The secondary goal will be that you complete the assignment. You will receive a grade based on your participation(you have to attend to participate), effort and attitude during class and workshops. During workshops, at the instructors discretion, points can be deducted if any group member does not understand a completed problem. No credit will be given to any individual found not participating in this activity. Lack of respect for fellow students will not be tolerated!**

The total points possible for participation in class and workshops is 100 points. **Up to 3 points**

may be deducted for each absence. At the beginning of the semester each student will receive 100 points, 20 of those will be extra credit points! If a student is absent or does not meet the behavior standards above, your instructor will begin deducting points as necessary.

Portfolio: Portfolios are due every Monday. If Monday is a holiday, your portfolio will be due on the following Wednesday. *Late portfolios will not be accepted!* Portfolios which include a glossary, conjectures and homework will be graded based on effort, neatness and organization. Your name should be on the first page. **On homework problems, all work must be shown to receive credit. All homework problems should be written out to receive full credit.** The total points possible for your portfolio is 300 points. I will grade 15 of your portfolio assignments, each will be worth 20 points. Whenever a definition, conjecture or homework problem is incorrect. I will expect you to correct them by the next time your portfolio is turned in. **Your instructor may deduct points from the next assignment if the previous assignment is not corrected.**

Paper: A two page written paper with an introduction, body and conclusion (what did he/she contribute to math/geometry) will be due after spring break. Your paper should also include a bibliography. The paper will be on one of the following topics: The Pythagorean's, Galileo Galilei, Archimedes of Syracuse, development of irrational numbers, the golden ratio, Eratosthenes, Euclid, Thales of Miletus, Hippocrates of Chios or any other geometry/math topic approved by instructor. (books on the history of mathematics are a good source of information). Although this paper is worth 30 points, up to 50 points may be given for a paper that is very well written and includes extra effort such as geometric constructions or drawings, etc..

Tests: A total of six (6) 50 point tests will be given during the semester. The final will also be worth 50 points. The final is optional and may be used to replace your lowest test score. **Makeup tests will not be given.**

Cheating: Any student cheating on a test will receive an F in the class.

Grades: Although 750 points total will be possible, your total points will be divided by 730 points to determine your grade in class.

Total Points	Grade	Percent
657-750	A	90% and up
584-656	B	80-89%
509-584	C	69-79%
438-508	D	60-68%
Below 438	F	Below 60%

Important Dates:

Last Day to Drop a Class: Friday, March 13.

Holidays: 1/19, 2/13, 2/26, 4/6-4/10