

Math 311. Basic Geometric Concepts

Fall 2009. Course No. 18480

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SN 430

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Class Meets: Mondays and Wednesdays, 4:00–5:15 pm, CH 5114

Office Hours: Mondays and Wednesdays 3:00–3:45 pm, and by appointment.

Course Web Page: <http://www.csun.edu/~ac53971/courses/math311/>

Textbook: “Symmetry, Shape, and Space” (Key College Publishing) by Kinsey and Moore.

Course objectives: Math 311 is an introduction to Mathematics via Geometry. We will explore topics from two dimensional Euclidean, spherical, and hyperbolic geometry: symmetries, tilings. We will also explore higher dimensional geometries and polyhedra; as well as more abstract topics like surfaces, curvature, knots and links. Emphasis will be placed on experimentation and modeling, rather than on theoretical proofs.

Homework: There will be weekly homework. Homework problems will form the basis for many of the quizzes.

Quizzes: There will be an in-class quiz at least weekly. There will be no make-up quizzes, but I will ignore your lowest quiz score when computing your final grade.

Exams: The final exam is comprehensive and is scheduled to take place on Monday, December 14, 5:15 pm – 7:15 pm

Grades: Your total score (out of 100 points) will be determined as follows:

- 10% Attendance
- 40% Quizzes
- 50% Final Exam

and your **final grade** will be determined as follows:

- A if total score is 85 points or more,
- B if total score is between 70 and 85 points,
- C if total score is between 55 and 70 points,
- D if total score is between 40 and 55 points,
- F if total score is below 40 points.

I will use +/- when assigning your final grade.

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