

**MATH 329 Transformation Geometry  
Spring 2011**

Instructor: Dr. Giovanna Lloset  
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Office: JB 324  
Office hours: Tuesdays 12:00 – 2:00 pm  
                  Thursdays 12:00 – 2:00 pm  
                  or by appt  
Web page: [www.math.csusb.edu/faculty/gllloset/home.html](http://www.math.csusb.edu/faculty/gllloset/home.html)

Class Time: Tuesdays and Thursdays: 10:00-11:50pm. Room: JB 387

Course description: In this course we will study the foundations of Euclidean geometry and how it is different from non-Euclidean geometry. More specifically we will understand, prove and apply some foundational theorems of Euclidean geometry regarding triangles, polygons and circles as well as congruence and similarity transformations and how they relate to the static theorems of Euclidean geometry.

Text: College Geometry: *A Discovery Approach* by David Kay. Addison Wesley Longman.

Grading: The breakdown for your grade is:

Homework/Quizzes	20%
Midterms	40%
Final	30%
Project	10%

There will be 2 midterms and a comprehensive final.

The *midterms* are going to be 90 minutes exams on **Thursdays April 28<sup>th</sup>, and May 26<sup>th</sup>**

The *final exam* will be on **Thursday, June 16<sup>th</sup>, from 10 to 11:50 am.**

*Homework/Quizzes:* At the end of each section, homework problems will be assigned. Homework from every week will be collected on Thursday next week. Some of the days, we will have group work sessions/quizzes. I will give you a series of problems and give you specific instructions about the number of persons allowed in each group and requirements to hand in the solutions.

*Project:* The project will consist of two proofs from “The Elements”. Your job will be to read, understand and re-write the proofs in a two columns fashion. Your proofs will have to be typed in Latex or any other mathematical text editor. If you are already familiar with “The Elements” and there is a specific proof you want to work on, just let me know and I’ll reserve that for you! Please read carefully the document with the specific requirements for the project. The project is due on June 2<sup>nd</sup>.

Your overall letter grade will correspond to the percentage of achievement in this class, and will roughly be:

	87-89% B+	77-79% C+	67-69% D+	
93-100% A	83-86% B	73-76% C	63-66% D	0-60% F
90-92% A-	80-82% B-	70-72% C-	60-62% D-	

Make up policy: There will be no make-ups for missed exams. Exception: Illness; you will need an excuse from a clinic/doctor.

Drop date: The last date to drop this class for this term via MyCoyote is April 22<sup>nd</sup>.

Students with Disabilities: Students with disabilities who need accommodations to achieve course objectives please see me as soon as possible. More information is available at Services to Students with Disabilities at UH-183, 909.537.5238.

Changes to Course Plan: The course schedule, exam times and any other aspect of this course plan may be modified during the quarter. Such changes will be announced in advance during class periods. The student is responsible for keeping abreast of such changes.

***Please let me know if there is any way I can do geometry easier and/or the lectures more pleasant for you anytime!!***