Math 666
Seminar in Geometry
Course Information

Course Description

Geometry is one of the oldest human intellectual creations. Yet now in modern times, geometry is one of the most active fields of mathematical research and one of the critical tools in many practical applications. While a casual lay person might believe that there is only one geometry (Euclidean plane geometry), there are in fact many geometries, both practical and fanciful. The broad purpose of the course is to expand understanding of the variety and importance of modern geometries. Several viewpoints for studying geometries will be considered. Topics may be chosen from axiomatic systems, finite geometries, Euclidean and non-Euclidean geometries, geometric transformations, and so forth.

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Prerequisites

- Academic prerequisites for the course are Math 423 and Math 409, or equivalent, or consent of the instructor.

- Your computer should be configured to display and print files in PDF format from within your browser. The most common program to do this is the Adobe Acrobat Reader which is freely available from many sources on the internet.

Text


Schedule

- Section 100: TAMU class meets TR 5:00-6:00 p.m., BLOC 130. Office hours TBA. (Class meeting times may be revised in consultation with class.)

- Section 700: Web based contact hours will be determined in consultation with the class.
Contact Information

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Basis for Grading

The course grade will be based on graded written assignments such as homework, projects, and papers. Section 100 will turn in assignments at class meetings. Section 700 may submit assignments in two ways: (1) prepare assignments in Microsoft Word (or suitable equivalent) and submit as attachment to email, or (2) prepare assignments (possibly handwritten) and submit by fax. Course grades will be awarded as follows.

A – Excellent performance in all aspects of the course.
B – Satisfactory completion of all course requirements.
C – Passing.