

Syllabus for MATH 467_500, Fall 2006

Instructor: Dr. Ronald G. Douglas, Milner 231
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Office hours: TW 2:00-3:00 PM or by appointment

Class time and place: TR 11:10-12:25 , BLTN 018

Topics covered: Rigorous development of Euclidean geometry with an emphasis on the parallel postulate; Consideration of classical non-Euclidean models of the plane along with implications; Time permitting, consideration of transformations in \mathbb{R}^3 .

Prerequisites: MATH 304 or 222.

Text: Marvin J. Greenberg, Euclidean and Non-Euclidean Geometries, 3rd ed., W. H. Freeman & Co., New York, 1994.

The course will cover most of Chapters 1-4, much of Chapters 5-8 and part of Chapter 9. In addition to its geometric content, the course will consider the nature of the axiomatic method and the historic development of mathematics.

Evaluation: 1) Daily Class Participation – 20%; 2) Weekly Homework – 25%; 3) Midterm Test on October 10 – 25%; Final Exam, December 8, 3-5 PM – 30%.

For students in the Honors Section, there will be additional biweekly written projects and some substitute questions on the two exams.

Attendance and Make-up: Class attendance is required. Make-ups (or satisfactory equivalents) will be given only in cases authorized under TAMU Regulations. In borderline cases, I will decide whether or not the excuse is authorized. Also, if you miss the test, contact me immediately.

Scholastic Dishonesty: Students may work together and discuss the homework problems with each other. However, copying work done by others is an act of scholastic dishonesty and will be prosecuted to the full extent allowed by University policy. For more information on university policies regarding scholastic dishonesty, see University Student Rules and the Aggie Honor code: "An Aggie does not lie, cheat or steal or tolerate those who do." For more information see the Honor Council Rules and Procedures on the web at <http://www.tamu.edu/aggiehonor>.

Students with Disabilities: The Americans with Disabilities Act (ADA) is a

federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you believe you have a disability requiring an accommodation, please contact Services for Students with Disabilities, Koldus 126, 845-1637.