

**Spring 2008 Math 3301 Foundations of Geometry
Section 001**

INSTRUCTOR:	David Smith	PHONE:	(817) 272-7203
E-MAIL ADDRESS:	davidsmith@uta.edu	OFFICE:	442 Pickard Hall
WEB ADDRESS:	www.libraryofmath.com		
OFFICE HOURS:	Mon-Thurs from 11:00-1:00		

TEXT: College Geometry by David C. Kay 2nd Edition

COURSE CONTENT: A development of the foundations of geometry.

PREREQUISITES: Math 1426

EMAIL: You should have an activated MyMav account and check it regularly during the semester. You are responsible for all the information I will be sending out to your MyMav account and the announcements I make on my Web Page.

LEARNING OUTCOMES: Upon completion of Foundations of Geometry:

1. Students will be able to explain the axiomatic development of consistent mathematical systems and identify or describe consistent mathematical systems.
2. Students will be able to write and communicate proofs of geometric statements using direct or indirect arguments.
3. Students will be able to discuss the historical development of new geometries.
4. Students will be able to explain differences between Euclidean and Non-Euclidean geometry.
5. Students will be able to apply geometric models to solve problems individually and in groups.

GRADING SCALE:

90-100	A
80-89	B
70-79	C
60-69	D
0-59	F

GRADING COMPONENTS: Your course grade will be computed as follows:

Exam 1	15 %	Thursday, February 14th
Exam 2	15 %	Thursday, March 27
Final Exam	20 %	Thursday May 8 th (8:15-10:45 p.m.)
Homework	30 %	(Everyday except exams)
Project	20%	(End of the semester)
<hr/> Total	100 %	

HOMEWORK: A list of problems will be worked out on a regular basis and the problems will be turned in handwritten. Each problem will be worked on the board in groups of 3 or 4 and from time-to-time groups will review the work of other groups. The list of homework problems can be found at, <http://www.libraryofmath.com/geometry-problems.html>

MAKE-UP POLICY: If you have a conflict with either midterm or final, you must contact me no later than Census Date (January 30), and submit the necessary documentation. If a conflict arises after January 30, contact me immediately. Delays in submitting a make-up request may mean that your request cannot be approved.

DROP POLICY: The last day this semester to drop a course is March 28. Any student who drops the course on or before March 28 will receive a W. Students must contact an advisor in their major in order to drop a course.

AMERICANS WITH DISABILITIES ACT: The University of Texas at Arlington is on record as being committed to both the spirit and letter of federal equal opportunity legislation; reference Public Law 93112 - The Rehabilitation Act of 1973 as amended. With the passage of new federal legislation entitled Americans with Disabilities Act (ADA), pursuant to section 504 of the Rehabilitation Act, there is renewed focus on providing this population with the same opportunities enjoyed by all citizens.

As a faculty member, I am required by law to provide "reasonable accommodation" to students with disabilities, so as not to discriminate on the basis of that disability. Student responsibility primarily rests with informing faculty at the beginning of the semester and in providing authorized documentation through designated administrative channels.

ACADEMIC DISHONESTY: It is the philosophy of The University of Texas at Arlington that academic dishonesty is a completely unacceptable mode of conduct and will not be tolerated in any form. All persons involved in academic dishonesty will be disciplined in accordance with University regulations and procedures. Discipline may include suspension or expulsion from the University.

"Scholastic dishonesty includes but is not limited to cheating, plagiarism, collusion, and the submission for credit of any work or materials that are attributable in whole or in part to another person, taking an examination for another person, any act designed to give unfair advantage to a student or the attempt to commit such acts." (Regents Rules and Regulations, Part One, Chapter IV, Section 3, Subsection 3.2, Subdivision 3.22)

GRADE REPLACEMENT AND GRADE EXCLUSION POLICIES: These policies are described in detail in the University catalog and can also be founded online at

<http://www.uta.edu/catalog/general/academicreg>

The deadline for filing a grade replacement request is Census Date, January 30.

STUDENT DISRUPTION: The University reserves the right to impose disciplinary action for an infraction of University policies. For example, engagement in conduct, alone or with others, intended to obstruct, disrupt, or interfere with, or which in fact obstructs, disrupts, or interferes with, any function or activity sponsored, authorized by or participated in by the University.

DROP FOR NON-PAYMENT OF TUITION: If you are dropped from this class for non-payment of tuition, you may secure an Enrollment Loan through the Bursar's Office.

IMPORTANT DATES:

January 30	Census Date (Deadline for makeup exam requests)
Thursday, February 14	Midterm 1
March 17-21	Spring Break
Thursday, March 27	Midterm 2
Friday, March 28	Last day to drop
Friday, May 2	Last day of classes
Thursday May 8 th (8:15-10:45 p.m.)	Final Exam