

SYLLABUS: MATH 532, 736I

MODERN GEOMETRY

2:20 p.m.-3:35 p.m. on MW in LeConte 121

Instructor: Michael Filaseta

Office: 317D LeConte

Email: filaseta@mailbox.sc.edu (encouraged to use)

Office Phone Number: 777-7464

Office Hours: MW 11:50 p.m.–1:20 p.m. and by appointment
(avoid coming by my office the 45 minutes before class)

Cell Phone Policy: Please remember to silence your cell phone prior to class.

Text Book: None required. See notes at web link below.

Web Page for Course: <http://www.math.sc.edu/~filaseta/courses/Math532/Math532.html>

Grading: Quizzes: Each quiz that you receive an A on counts for 2% of your grade.
Other quizzes do not count toward your grade.

2 Tests (each is 30% of your non-quiz grade)

Cumulative Final (40% of your non-quiz grade)

Attendance: Used to help decide borderline grades.

→ (An additional class project is required for all graduate students.) ←

Date and Time of Final Exam: May 4, Monday, 12:30 p.m.-3:00 p.m.

(This is one of the last exam times, so note no exceptions can be made to this scheduled time.)

Notes: The last day to drop a course without a “W” being recorded is Tuesday, January. 21.

The last day to drop a course without a “WF” being recorded is Saturday, March 28.

Remarks: • There will be no make-up grades for this course.

- Calculators are not permitted on quizzes, tests, and the final exam.
- There are no exemptions for the final exam.
- The quizzes will be unannounced but on homework that we have already gone over in class.

Students with Disabilities: Any student with a documented disability should contact the Student Disability Resource Center at 777-6142 to make arrangements for appropriate accommodations.

Learning Outcomes:

Whether you are taking this course because of a genuine interest in learning the material or to help your career goals or for some other reason, the following three outcomes are possible: (i) Students will master concepts and be able to solve problems associated with the topic of Non-Euclidean Geometry, focusing on axiomatic systems, finite projective planes, and finite affine planes, and with the use of vectors and matrices to obtain results in Euclidean Geometry, in particular with results associated with translations and rotations. (ii) Students will discover that they cannot or do not want to master these concepts - that their strengths and/or interests are different. (iii) Some combination of (i) and (ii).

Grading Scale:

Percentage	Letter Grade
≥ 90	A
≥ 87 and < 90	B⁺
≥ 80 and < 87	B
≥ 77 and < 80	C⁺
≥ 70 and < 77	C
≥ 67 and < 70	D⁺
≥ 60 and < 67	D
< 60	F