

# Syllabus for Mathematics 532/736I, Section 001/001, Spring 2015

TIME AND PLACE: 10:50 am - 11:40 am MWF LeConte College 310

INSTRUCTOR: Ralph Howard

OFFICE: LC 304

PHONE: 777-7471

OFFICE HOURS: MWF 2:30pm–3:30pm, 3:30–4:30 and by appointment

TEXTS:

There is no required text. There will be handouts and links to web resources.

**Grading:** There will be three hour exams of 100 points each. Homework will be collected and will count for 100 points. The Final will count for 150 points. There will be in class quizzes that will be included as part of the homework grade. There will also be points for doing problems in class.

Three midterms @100 points each	300 points
Final	150 points
Homework (includes quizzes)	100 points
Total	550 point

The grade will be based on the total number of points out of the 550 points. Note that the homework counts as much as a test so it is important to spend time on the homework. Some homework may be “collected” in the form of in class quizzes. Letter grades will be assigned to all the tests. The last day to drop is Thursday, March 5 and you should have a good idea of where you stand by then.

**There will be no make up exams.** If you miss a test, then your score on that exam is 80% of the average of your other test scores (including the final). If you miss a second exam then the score on it is zero. Likewise **no late homework will be accepted.**

The exams will be on the following days:

Test 1 Friday Feb 13

Test 2 Friday March 20

Test 3 Friday April 17

Final Monday, May 4 - 9:00 a.m.

**Learning Outcomes:** Successful students in Math 532/736I will learn about projective geometry and the related affine geometry. Among the topics covered will be the axioms of projective and affine geometries, perspectivities and projectivities between lines and planes. There will be an emphasis on reading and writing mathematics and in particular in learning to recognize and write correct proofs.