

MATH 4300: Modern Geometry

Fall 2023

Instructor: Tony Shaheen

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Office Hours: to be determined....

Course Website: Follow the link from <http://www.calstatela.edu/research/ashahee/>

Lectures: Monday and Wednesday, 12:15pm – 1:30pm in KH B1009.

Textbook: There is no required textbook for the course. On the course website I put a document giving book recommendations if you want to get a book.

Calculators: Please have a calculator for the exams that is not your phone. I saw some on amazon for \$5. You will be allowed to use this calculator on your exams.

Prerequisite: Math 3450 with a C or better.

Description: Abstract geometries, incidence geometries, metric geometries, Pasch geometries, geometries with angle measure, neutral geometries, Euclidean geometries, Hyperbolic geometries.

Student learning outcomes: Students who successfully complete this course will: understand the definitions, calculations, and theorems presented in the course; be able to prove theorems about the objects presented in the course; be able to make calculations using the objects presented in the course.

Grading: Your grade will be based on two tests and a cumulative final. Each exam will be worth 1/3 of your grade.

Homework: Homework will be assigned, but not collected. The homework problems and solutions will be posted on the course website.

Exams: There are two tests and a final. The below dates are tentative. The final time/day is scheduled by the school and it may change.

Test 1: Wednesday, October 4.

Test 2: Wednesday, November 8.

Tentative Final Date: Monday, December 11, 12:00pm – 2:00pm.

ADA statement: Reasonable accommodation will be provided to any student who is registered with the Office of Students with Disabilities and requests needed accommodation. Let me know if you take your tests with OSD.

Academic honesty statement: Students are expected to do their own work. Copying the work of others, cheating on exams, and similar violations will be reported to the University Discipline Officer, who has the authority to take disciplinary actions against students who violate the standards of academic honesty.

Student responsibilities: Students are responsible for being aware of all announcements that are made in class, such as changes in exam dates, due dates of homework and papers, and cancellation of class due to instructor's absence. Students are responsible for announcements made on days that they are absent.

Students must check their CSULA email account regularly for information from the instructor and the Department. Failure to do so may result in missed deadlines or other consequences that might adversely affect students. Note that you can forward this email account to any other account of your choosing.