Math 128A Classical Geometry: Euclidean and Non-Euclidean

Instructor information
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Office Hours:
Thursday 10am-12pm in McHenry 1261

Course information:
Class meeting: MWF 01:00pm-03:30pm
Classroom: Engineer 2 192

Discussion Sections
No discussion section.

Textbook
For this course we will be following a course notes, Euclidean plane and its relatives, written by Anton Petrunin which can be found at this link:
For supplemental resources I recommend:
(1) Geometry: Euclid and Beyond, written by Robin Hartshorne. If you have a background of abstract algebra, this book will be a good choice for this course. It uses Hilbert's axiom system which is different from the course notes I adopted.

Course Description
Grade Breakdown
Homework 30%, Midterm 30%, Final 40%.
Homework is due every Monday.
The Midterm will be: Friday July 12th in class
The final will be: Friday July 26th in class

Tentative schedule
week 1: chapter 1-3
week 2: chapter 4-7
week 3: chapter 8-10
week 4: chapter 11-13
week 5: chapter 14-16

DRC Accommodations
The Disability Resources Center reduces barriers to inclusion and full participation for students with disabilities by providing support to individually determine reasonable academic accommodations. If you have questions or concerns about exam accommodations or any other disability-related matter, please contact the DRC office, located in Hahn 125 or at 831-459-2089 or drc@ucsc.edu.

Academic Dishonesty
Academic integrity is the cornerstone of a university education. Academic dishonesty diminishes the university as an institution and all members of the university community. It tarnishes the value of a UCSC degree.

All members of the UCSC community have an explicit responsibility to foster an environment of trust, honesty, fairness, respect, and responsibility. All members of the university community are expected to present as their original work only that which is truly their own. All members of the community are expected to report observed instances of cheating, plagiarism, and other forms of academic dishonesty in order to ensure that the integrity of scholarship is valued and preserved at UCSC.

In the event a student is found in violation of the UCSC Academic Integrity policy, he or she may face both academic sanctions imposed by the instructor of record and disciplinary sanctions imposed either by the provost of his or her college or the Academic Tribunal convened to hear the case. Violations of the Academic Integrity
policy can result in dismissal from the university and a permanent notation on a student’s transcript.

For the full policy and disciplinary procedures on academic dishonesty, students and instructors should refer to the Academic Integrity page at the Division of Undergraduate Education.

Title IX:

The university cherishes the free and open exchange of ideas and enlargement of knowledge. To maintain this freedom and openness requires objectivity, mutual trust, and confidence; it requires the absence of coercion, intimidation, or exploitation. The principal responsibility for maintaining these conditions must rest upon those members of the university community who exercise most authority and leadership: faculty, managers, and supervisors.

The university has therefore instituted a number of measures designed to protect its community from sex discrimination, sexual harassment, sexual violence, and other related prohibited conduct. Information about the Title IX Office, the online reporting link (Links to an external site.), applicable campus resources, reporting responsibilities, the UC Policy on Sexual Violence and Sexual Harassment (Links to an external site.) and the UC Santa Cruz Procedures for Reporting and Responding to Reports of Sexual Violence and Sexual Harassment can be found at titleix.ucsc.edu.

The Title IX/Sexual Harassment Office is located at 105 Kerr Hall. In addition to the online reporting option (Links to an external site.), you can contact the Title IX Office by calling 831-459-2462.