Course Title: College Geometry,  
MATH 383 - 01 – Spring 2019

Credits: 3

Prerequisite: MATH 328 or 366 or 377 (all with C- or higher).

Course Description: Historical overview of the development of geometry since the time of Euclid. In-depth study of selected topics from Euclidean geometry and the role of axiomatics. Also covers material from at least one of the following non-Euclidean geometries: finite, projective, spherical, hyperbolic.

Instructor: Nelson Castaneda  
Office: Marcus White 123  
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Office Hours: Mondays from 6 to 7 PM, Tuesdays and Thursdays from 3 to 5 PM. We can arrange to meet at other times when necessary.

Textbook: We will not follow a specific textbook. We will use class notes and handouts. The most relevant material will be posted on BlackBoard Learn. A book that contains big part of the topics covered in the class is Foundations of Geometry, second edition, by Gerard A. Venema. This book is recommended but not required. Literature for additional reading will be suggested as the course develops.

Class Meeting Times: Tuesdays and Thursdays from 1:40 to 2:55 PM in Maria Sanford Hall 101.

Course Requirements: Attend and participate in class regularly; complete homework assignments; take quizzes and tests, as scheduled. A general rule for any college course is that you are expected to put in at least 2 hours of work outside of class for every hour in class.

Coverage: We begin the course with a review and further study of Euclidean geometry. We will discuss certain transformations of the Euclidean plane and use them to understand the Poincaré disk model of hyperbolic geometry. Throughout the course we will discuss the axiomatic systems of geometry paying particular attention to Euclid’s fifth postulate and the role it played in the development of geometry.

Assessment: There will be a few quizzes, group activities, homework assignments, a mid-term test, and a final exam. The group activities and class participation are worth 10%, the quizzes are worth 15% altogether. Homework is worth 25%. The mid-term test is worth 25% and is given on Thursday, March 28. The final exam is cumulative, is worth 25%, and is given on Thursday, May 16 from 1 to 3 PM.

The minimum averages to determine the letter grades are as follows:
A 93% A- 90% B+ 87% B 83% B- 80% C+ 77% C 73% C- 70% D+ 67% D 63% D- 60%

Final Exam: Thursday, May 16, 1 - 3 PM.

Resources Available:

1. If you need help, take advantage of your instructor’s office hours. Do not wait until just before the first test to do so.

2. The Learning Center is located in Willard - DiLoreto Hall, Room D 316. Free tutoring is available. Check the website for schedule and further information.

3. Form a study group with other students in your section. Explaining solutions to homework problems to each other is a good way to learn.

4. A list of private tutors for hire is available in the math department website.
University Policies:

1. You must take the final examination at the time specified in the course selection book: Thursday, May 16th, 1 - 3 PM.

2. If you need course adaptations or accommodations because of a disability, if you have emergency medical information to share with me, or if you need special arrangements in case the building must be evacuated, please make an appointment with me as soon as possible. My telephone number and office hours are given above.

   I will need a copy of the accommodation letter from Student Disability Services in order to arrange your class accommodations. Contact Student Disability Services, Willard - DiLoreto Hall, Room W 201, if you are not already registered with them. Student Disability Services maintains the confidential documentation of your disability and assists you in coordinating reasonable accommodations with your faculty.

3. In the event of a weather emergency which requires curtailment or cancellation of classes, listen to WTIC (1080 AM) or call (860) 832-3333 for the “general snow message,” or check the online Cancelation/Delay Information.

4. Students may drop full semester courses up to the last day of the third week of classes in the regular semester. Courses dropped by Monday, February 11 will not appear on the student transcript. Please drop the course by February 11 if you think that this course is not appropriate for you. Feel free to stop by my office to discuss your situation.

5. Students withdrawing from a full semester course from February 11 through April 22 (through the 12th week of the semester) may do so by completing a withdrawal form. A notation of W will appear on the student transcript. Withdrawals during this time do not require written authorization; however, it would be prudent for the student to discuss this matter with their instructor or/and their academic advisor.

6. Forms to either drop or withdraw from a course may be found on the registrar’s website or obtained in the registrar’s Office in Willard - DiLoreto Hall, Room D 202.

7. Cessation of attendance, notice to the instructor, or telephone calls to the Enrollment Center are not considered official notice of a student’s intention to drop the course. After April 22nd withdrawals are allowed only under extenuating circumstances, only for students who are passing the course, and require written approval of the course instructor and the department chair.

8. Central Connecticut State University (CCSU) will not tolerate sexual misconduct against students, staff, faculty, or visitors in any form, including but not limited to: sexual assault, sexual exploitation, sexual harassment or stalking, as defined in CCSU policies. For additional information, please consult the website of the Office of Diversity and Equity.

9. You are responsible for understanding and abiding by the University’s policy on academic integrity. Information on the policy may be found at Academic Integrity Policy. This policy is rigorously enforced by the Department of Mathematical Sciences.

10. All students are expected to demonstrate integrity in the completion of their course work. Academic integrity means doing one’s own work and giving proper credit to the work and ideas of others. It is the responsibility of each student to become familiar with what constitutes academic dishonesty and plagiarism and to avoid all forms of cheating and plagiarism. Students who engage in plagiarism and other forms of academic misconduct will face academic and possibly disciplinary consequences. Academic sanctions can range from a reduced grade for the assignment to a failing grade for the course. From a disciplinary standpoint, an Academic Misconduct Report may be filed and a Faculty Hearing Board may impose sanctions such as probation, suspension or expulsion.

11. For further information on academic misconduct and its consequences, please consult the Student Code of Conduct and the Academic Misconduct Policy.