Instructor: Dr. Scott Gordon, 324 Boyd.
Phone: 678-839-4134
E-mail: sgordon@westga.edu

Time and Location: M, W 3:30–4:45, 303 Boyd.

Office Hours:

<table>
<thead>
<tr>
<th>Day</th>
<th>Hours</th>
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<tbody>
<tr>
<td>M</td>
<td>11:00–12:00, 2:00–3:30</td>
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<tr>
<td>W</td>
<td>11:00–12:00, 2:00–3:30</td>
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<td>Th</td>
<td>10:00–11:00 (in Boyd 205), 1:00–2:00 (in Boyd 205)</td>
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<tr>
<td>F</td>
<td>10:00–11:00 (in Boyd 205), 11:00–12:00</td>
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If you would like to see me but cannot come during one of these times, please call first or make an appointment.


Course Description: Constructions, Euclidean axioms, coordinate approach to geometry, projective geometry, transformations.

Homework Exercises: Problems assigned after each lesson will be divided into two categories: exercises and turn-in problems. Exercises will not be graded and are designed to help you understand the important concepts and prepare for the tests.

Turn-in problems: There will be approximately 200 points worth of turn-in problems assigned during the semester. You may seek outside assistance with these problems, but your final answers must be in your own words and reflect an understanding of the problems.

Attendance Policy: You are expected to attend class or to contact me with a reason if you must miss class. If you are absent and I do not hear from you on or before that day, you will receive a zero on any work due that day.

Tests: There will be five in-class tests, worth 60 points each. Test dates: 1/28, 2/18, 3/11, 4/13, 5/1.

Rescheduling tests: If you have a valid reason for missing a test, you may be allowed to reschedule, but you must make arrangements with me in advance.

Grading: Your numerical grade will be your total points as a percentage of the total number of possible points. Your letter grade will be determined according the following grading scale: A: 88–100, B: 76–87, C: 64–75, D: 52–63, F: 0–51.

Withdrawal: March 2 is the last day to withdraw from the course with a grade of W.

Honor Code Violations: *Any student who violates the University of West Georgia Honor Code (as stated in the Student Handbook) will receive an F for the course.* The incident will also be reported to the Vice President’s Office and become part of the students’s record at UWG.

Learning Outcomes: The student will have an understanding of:

1. basic constructions in Euclidean geometry
2. axiomatic foundation and development of geometry
3. the coordinate and vector approach to geometry
4. axioms of perspective plane geometry
5. transformation groups in planar and spherical geometry
6. non-Euclidean geometries.