Geometry I  
Math 323-001 CRN 05833  
Fall 2008

Instructor: Hope Marchionda  
Office: TCCW 336  
Phone: 745-2961  
E-mail: hope.marchionda@wku.edu (For a quick response, email is the best form of contact!)  
Course Hours: MWF 10:20-11:15  
Office Hours: Tentatively 11:30-12:30 and 2:10-3:00 on TR and 9-10:15 on MWF and by appointment

Materials:
- You must have regular access to the internet for email and Blackboard.  
- You may find it helpful to have a good compass for constructions.

Course Description:
Prerequisite: MATH 307 or permission of instructor. Beginning with a re-examination of elementary Euclidean geometry, the course includes a study of absolute plane geometry and the parallel postulate, which leads to an axiomatic treatment of hyperbolic geometry and related topics.

Attendance:
Regular attendance is strongly recommended. Attendance will be taken at each class meeting. In the event you must miss a class, YOU are responsible for finding out what work you missed during your absence. Participation is an important component in the learning process and if you are not in class then you are not participating. So make sure that you communicate with me and keep me posted if there is an unforeseeable issue with attendance.

Basic Content Outline:
- Chapter 1: Axiomatic Systems  
- Chapter 2: Axiom Sets for Geometry  
- Chapter 3: Neutral Geometry  
- Chapter 4: Euclidean Geometry of the Plane  
- Chapter 5: Analytical and transformational Geometry

Important Dates:
- September 1st: Labor Day, no classes  
- October 2nd-3rd: Fall Break, no classes  
- October 14th: Last day to drop the course with a W or change to an audit – there will be no exceptions  
- November 4th: Presidential Election, no classes  
- November 26th-28th: Thanksgiving, no classes

Academic dishonesty will not be tolerated! You are expected to follow The University Code of Conduct at all times. Specifically any form of cheating or plagiarism will be punished. The policy is found in the student handbook.
Assessment / Evaluation:
The course grade will be computed as follows: tests 60%, various assignments 20%, and final exam 20%.

- **Tests:** Ideally there will be 3 in class tests during the semester. All students will take these tests on the scheduled date and tests will be completed in the allotted time. The only exceptions will be for students that have written permission from the Office of Student Disability Services. There will be no planned make-up tests and missing a test will result in a zero. Only under the most extenuating circumstances will a make-up test be considered if the instructor is aware of the absence in advance. In these cases the instructor will decide whether to administer a make-up test or use that portion of the final exam as a replacement.

- **Various Assignments:** The assignments may include writing assignments, computer assignments, traditional homework or classwork, group work, quizzes, and/or presentations. In addition to assigning specific problems to turn in, I reserve the right to collect any assignment without warning. You may be expected to present solutions to problems in class. Sometimes this will be on a volunteer basis, sometimes I may call on you at random, and sometimes you will be assigned a problem to present. Late assignments will not be accepted once the assignment has been graded and returned to the class. There will be no exceptions. I will not allow classwork or quizzes to be made up and as I result I will drop at least one of these – maybe more depending on the number of these we have during the semester.

- **Final Exam:** A comprehensive final exam will be given at the time designated by the university. A grade of at least 50% must be made on the final to pass this course. The date and time of the final exam will be announced at a later date once this has been coordinated between campuses. Tentatively Scheduled for December 10th.

**Grading Scale:**

<table>
<thead>
<tr>
<th>Percentage</th>
<th>Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>90 – 100%</td>
<td>A</td>
</tr>
<tr>
<td>80 – 89%</td>
<td>B</td>
</tr>
<tr>
<td>70 – 79%</td>
<td>C</td>
</tr>
<tr>
<td>60 – 69%</td>
<td>D</td>
</tr>
<tr>
<td>0 – 59%</td>
<td>F</td>
</tr>
</tbody>
</table>

Pencil and loose leaf paper must be used on all hand written assignments and will not be accepted otherwise. You may not share calculators on any test, quiz, or final exam. In addition, all cell phones and paging devices are to be turned off during class unless extenuating circumstances exist and arrangements have been made with me prior to the beginning of class.

Please Note: Students with disabilities who require accommodations (academic adjustments and/or auxiliary aids or services) for this course must contact the Office for Student Disability Services (OFSDS), DUC room A201 (Student Success Center). Please do not request accommodations directly from the instructor without a letter of accommodations from OFSDS.