COURSE SYLLABUS

I. GENERAL INFORMATION

A. Course: Math 306, Modern Geometries
B. Semester: Fall 2010
C. Instructor: Dr. Carey R. Herring
D. Office: DSC 203-B
E. Office Phone: 471-3251
F. E-mail: cherring@cn.edu
G. Office Hours: 2:00 pm - 5:00 pm MTWR
H. Textbook: College Geometry Using the Geometer’s Sketchpad, by Reynolds & Fenton
I. Software: The Geometer’s Sketchpad

II. Content and Format

This course is intended for two kinds of students: for the person planning to teach high school geometry and for the scholar interested in extending his/her knowledge of geometry first learned in high school. Even though you studied a geometry course in high school, you may be surprised (even startled!) to learn that while that particular view of geometry is very useful, it is not the only one. In this course, we will examine principles of more than one type of geometry.

The course lends itself well to exploration and discovery of ideas, so we will emphasize student participation. One tool for discovery is the award-winning software package, The Geometer’s Sketchpad. We will be using that often, and it should prove to be very fun and informative. We might try to cover selections from all 10 chapters. This will take us into Euclidean geometry, and a look at some non-Euclidean geometries. Student preferences for topics will be considered when making selections to be studied.

III. Evaluation

1. A full-period test will be administered at more or less regular intervals, perhaps at the end of a chapter or other convenient place, about three or four times during the semester. The date and content of the test will be announced at least one week in advance. Each test will count 100 points.
2. Regular student participation will be evaluated, such as presentation of homework assignments, work done on the computer, or outside class projects. The class will discuss how this work will be assessed and how much of the grade it will count.
3. A comprehensive final exam will be given in December.
4. Your course grade will be a combination of test scores, projects, presentations, and final exam score.
5. The following grading scale will be used on tests and the final exam.

<table>
<thead>
<tr>
<th>Percentage of Correct Answers</th>
<th>Grade</th>
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<tbody>
<tr>
<td>90 – 100</td>
<td>A</td>
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<tr>
<td>80 – 89</td>
<td>B</td>
</tr>
<tr>
<td>70 – 79</td>
<td>C</td>
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<tr>
<td>60 – 69</td>
<td>D</td>
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<tr>
<td>0 – 59</td>
<td>F</td>
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</tbody>
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IV. IMPORTANT MISCELLANY

1. Class attendance is essential to success in academic work (as you know already). High absenteeism is nearly always accompanied by low grades. I want you to be successful in this course. Therefore, I will look forward to seeing you in class every day, fully prepared, and actively engaged. Don’t miss a day of the fun!
2. If a student is absent at the time that a full-period test is scheduled and, at the next class period attended, presents to the instructor acceptable cause for the absence, the student will be permitted to make up the test by having the final exam count double, rather than single, weight when the course grade is calculated. An alternative manner of making up a missed test will be to inform the instructor prior to the date of the test of acceptable conditions for being absent on the test date. In this case, you may arrange to take the test before the date scheduled for the class test. Acceptable reasons for absences are listed on page 27 of the college catalog. Please read that section.
3. Any student with a physical, mental, or emotional disability that may adversely affect his/her performance is encouraged to discuss the condition with the instructor so that possible adjustments may be explored. I will be happy to help you contact the Coordinator for Students with Disabilities, Mr. David Humphrey, ext. 3268, who can assist you in establishing necessary accommodations for your disability.
4. If it should be necessary during the semester to alter these procedures in any way, the instructor will notify students in sufficient time to make required adjustments.
5. Cell phones and electronic pagers are marvelous inventions of our age and help us stay in touch with others. However, in a classroom they can be a nuisance to your classmates. Therefore, please be certain every day that your cell phone and other electronic devices are turned off before entering the classroom. Thanks for helping us create an environment that will maximize your learning experience.