Math 403/403G
Geometry for Elementary/Middle School Teachers
Fall, 2009

Instructor: Dr. Wanda Weidemann Department of Mathematics
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Course: Math 403/403G Geometry for Elementary/Middle School Teachers (3 hrs.)

Prerequisites: Math 211 and Math 212 or permission of instructor

Description: This course is designed for early grades (K-4) and middle school majors only. The course provides a study to broaden the understanding of elements of geometry. Topics include congruent triangles, polygons, and introductions to trigonometry, circles, and area.

Texts: Connected Mathematics Projects books, copyright 2009
Authors: Lappan, Fey, Fitzgerald, Friel, Phillips
(1) Shapes and Designs: Two-Dimensional Geometry (ISBN
(2) Covering and Surrounding: Two-Dimensional Measurement (ISBN
(4) Stretching and Shrinking: Understanding Similarity (ISBN
(5) Looking for Pythagoras: The Pythagorean Theorem (ISBN
(6) Kaleidoscopes, Hubcaps, and Mirrors: Symmetry and Transformations (ISBN

Attendance: You are expected to attend every class. If you must miss class because of illness or extreme emergency, it is your responsibility to contact the instructor to receive assignments. Missed tests can be made up only in the case of emergency and only if the instructor is notified in advance.

Withdrawals: The last day to withdraw from a full-semester class is October 21. Please note that there is now a fee for dropping classes. Also, don’t ask to drop the class after that date except in cases of extreme emergency; your request will not be granted.

Grades: Grades for the course will be determined by student performance in three areas:
(1) Daily work --Daily work includes any assignments designated to turn in, quizzes, class presentations, computer assignments and writing assignments. In order to receive full credit, all assignments must be turned in on time. Quizzes may be announced or unannounced. Students will be notified one class period in advance of a class presentation.

(2) One-hour tests
There will be three one-hour tests during the semester. A student can make up an hour exam only if he/she has the absence approved by the instructor in advance. Permission to miss a test will only be approved in cases of illness or emergency.
(3) Final exam: Barring any conflicts with scheduling of the ITV site, the final exam will be given on Thursday, Dec. 17 at 3:45 p.m.

Each one-hour test will count 100 points. The final exam will count 150 points. All other assignments will be assigned a value. To determine your grade for the course, divide the number of points you have accumulated by the total number of possible points and convert to a percentage. Scores on individual assignments will be available on Blackboard (http://ecourses.wku.edu/).

Grades: Grades will be determined based on the following scale:

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<thead>
<tr>
<th>Score Range</th>
<th>Grade</th>
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<tr>
<td>90% or above</td>
<td>A</td>
</tr>
<tr>
<td>80%-89%</td>
<td>B</td>
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Graduate credit: Graduate students who wish to receive graduate credit for this class will be required to do two extra projects. These projects will not be used to compute the class grade but must be deemed acceptable by the instructor before credit will be given.

Office hours: MW 12:30-1:30 p.m.
TR 10:00 a.m.-noon
Other office hours by appointment.
All office hours will be held in TCCW 325.

Disability Accommodations Statement: Students with disabilities who require accommodations (academic adjustment/or auxiliary aids or services) for this course must contact the Office for Student Disability Services, Student Success Center, Downing University Center, Room A102. The OFSDS telephone number is (270)745-5004. (TTY 745-3030) Per university policy, please DO NOT request accommodations from the professor or instructor without a letter of accommodation from the Office for Student Disability Services.

"The maintenance of academic integrity is of fundamental importance to the University. Thus it should be clearly understood that acts of plagiarism or any other form of cheating will not be tolerated and that anyone committing such acts risks punishment of a serious nature.

Academic Dishonesty - Students who commit any act of academic dishonesty may receive from the instructor a failing grade in that portion of the course work in which the act is detected or a failing grade in a course without possibility of withdrawal. The faculty member may also present the case to the Office of Student Life for disciplinary sanctions. A student who believes a faculty member has dealt unfairly with him/her in a course involving academic dishonesty may seek relief through the Student Complaint Procedure.

Plagiarism - To represent written work taken from another source as one's own is plagiarism. Plagiarism is a serious offense. The academic work of a student must be his/her own. One must give any author credit for source material borrowed from him/her. To lift content directly from a source without giving credit is a flagrant act. To present a borrowed passage without reference to the source after having changed a few words is also plagiarism.

Cheating - No student shall receive or give assistance not authorized by the instructor in taking an examination or in the preparation of an essay, laboratory report, problem assignment or other project which is submitted for purposes of grade determination.

Other Types of Academic Dishonesty - Other types of academic offenses, such as the theft or sale of tests, should be reported to the Office of Student Life for disciplinary sanction." http://www.wku.edu/Dept/Support/StuAffairs/StuLife/handbook/P1Policy/14AcademicOffenses.htm