

Course Syllabus - Math 250 - Intuitive Geometry  
Winter 2012 - 11:00-11:50 a.m.  
MWR / HERTZ 120 - T / BOUILLON 103

Professor: Dr. Jane Whitmire  
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Office Hours: TR 10:10-10:45 a.m., R 2:00-2:50 p.m.  
Textbook: The Math Teacher's Book of Lists by Judith and Gary Muschla

### **Course Description**

Topics in geometry suitable for the elementary school curriculum are covered. These include informal geometry using manipulatives, elementary topology, polygons, polyhedra, metric geometry, motion geometry, geometric constructions, spherical geometry, and an introduction to research on the teaching of geometry. Emphasis is on hands-on activities and the active involvement of students.

### **Supplies**

Students are responsible their own writing materials. Colored pencils, compass, pencil, highlighter, stapler, glue, ruler and paper (plain, grid, and lined) are all required. Maintain your supplies, notes, homework, and examinations organized in a portfolio. Frequently compare scores in your notebook to those posted on Blackboard for accuracy.

### **Homework**

Homework is always due two class periods after it is assigned. Always write your name, the homework assignment number, course number, and the due date on the top of the cover page. Homework exercises should be written with attention to detail. Use complete sentences, punctuation, and grammar whenever prompted for an explanation. Pictorial representations for manipulatives should be neat and accurate. Unless otherwise specified, homework should be completed in PENCIL and/or COLORED PENCIL. Homework completed on the reverse side of paper will not be considered for scoring. Homework problems that are out of numerical order will not be scored. Late homework assignments will never receive more than half credit. If you think you will be absent on a day an assignment is due, turn the assignment in early or ask a friend to bring it in for you.

## Labs

Labs are designed to be completed in one class period. However, there may be days when additional time is necessary to complete lab work. All labs are due the next lab period. Lab day is a good time to get practice with mathematical concepts and seek individualized help.

## Grading

Everyone is graded the same way. NO EXCEPTIONS. Letter grades A/A-/B+/B/B-/C+/C/C-/D+/D/D-/F are based on a strict percentages: 93-100/90-92.9/87-89.9/83-86.9/80-82.9/77-79.9/73-76.9/70-72.9/67-69.9/63-66.9/60-62.9 cut-off. Grades are not rounded either up or down. The course grade can be calculated at any time using the following point system;

<i>Homework</i>	→ 100
<i>Labs</i>	→ 100
<i>Exams</i>	→ 300
<i>Presentation</i>	→ 200
<i>Final</i>	→ 300

## Exams

Exam dates are Thursday January 19, 2012, Thursday February 9, 2012, and Thursday March 1, 2012. Exams are comprehensive and cover all material discussed in class since the previous exam. Completing the exam in the time allotted is part of the exam. Taking an exam is an important part of the course. Nevertheless, scheduling complications sometimes occur. An alternate procedure for taking an exam due to a scheduling complication must be arranged in advance. No make-up exams will be administered.

## Presentation

Each student will give one classroom presentation. Submit a copy of the lesson plan by Tuesday January 17, 2012. Include topic name, topic list number(s), math standard(s), objective of the lesson, outline of presentation including questions posed to students, and a minimum of three example problems. An accompanied homework will be assigned to each student on Monday January 23, 2012. This homework scored, recorded, and returned to students. Grading on each presentation will be based on accuracy, appropriate vocabulary, attitude, clarity of content, organization of content, homework challenge, homework alignment with presentation, mathematical content level, and timeliness.

## Final Exam

The final MUST be taken to pass the course. The final is comprehensive and may cover any material discussed in class over the term. The final exam for Winter 2012 is Tuesday March 13, 2012 from noon - 2:00 p.m. This is the CWU official scheduled time.

## Academic Integrity

Though group members might have a common point of view on a problem, each homework must reflect an individual unique understanding. Text taken from any internet website or other source must be cited. Electronics, including calculators and cell phones, will not be allowed during examinations. Cheating, plagiarism, and copying material that is copyrighted will not be tolerated. Disciplinary action will be taken for any of these wrong doings.

## Special Needs Statement

As soon as possible, students with disabilities who wish to set up academic adjustments in this class should provide a copy of their "Confirmation of Eligibility for Academic Adjustments". Eligible students without this form should contact the Disability Support Services Office by visiting Bouillon 205, emailing [dssrecept@cwu.edu](mailto:dssrecept@cwu.edu), or calling the phone number 509-963-2171.