Math 141  

Syllabus  

Spring 2009

Instructors  
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Study hours and tutors: You are welcome to study, in groups or by yourself, in the Math Learning Center (430 SEO). Math 140/141 peer tutors will be available there as well. Details will be announced.

Book: The textbook and accompanying manual are available in the bookstore. 
• Workshop Geometry, Judith Sallee and Bonnie Saunders  
• Mathematics for Elementary Teachers, Sybilla Beckmann, Pearson, Addison-Wesley, 2003  
• Activity Manual to accompany the Beckmann text.

Math content: Math 141 covers geometry, including basic facts, measurement and 3-dimensional applications, and probability and statistics.

Class Goals:
• To reach a deeper understanding of elementary mathematics to prepare you to teach it.
• To gain expertise in explaining mathematics and recognizing good explanations from others.
• To develop problem solving skills and increase your enjoyment of just doing mathematics.

Prerequisites: To remain registered for this class you must have completed Math 140 with a C or better. For concerns about placement see Jan Nekola in the Math Education Office, room 325 SEO.

Bring to class every time: Workshop Geometry text and a good scientific calculator. It is NOT necessary to have a graphing calculator. Also bring

compass  3X5 cards  
a ruler that measures centimeters  protractor  
centimeter graph paper  tracing paper  
colored pencils  tape

Grading: Grading is based on homework and activities, special projects, class participation, unit exams and the final exam.

Homework and Activities (20% of final grade):
Projects (10% of final grade): Four special projects will be assigned over the course of the semester. Part of the grade will be based on a class presentation. Details will be provided with each project.

Class Participation (10% of final grade): Journal entries and class participation will be part of this.

Unit Exams (40% of final grade): There will be four in all.

Final Exam (20% of the final grade): Final Exam will be from 6:00-8:00p.m, on Tuesday, May 5. The final exam is combined sections and cumulative.