

Math 141

Syllabus

Fall 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 course materials 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
- Ruler that measures centimeters
- Protractor
- Centimeter graph paper
- Tracing paper

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, the week of on Tues, Dec 8. The final exam is combined sections and cumulative.

Classes-missed	points
0	10
1	9.5
2	8.5
3	7
4	5
5	2.5
6 or more	0

Disability statement: "Students with disabilities must inform the instructor of the need for accommodations. Those who require accommodations for access and participation in this course must be registered with the Disability Resource Center. Please contact ODS at 312/413-2183 (voice) or 312/413-0123 (TTY)."