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MATH 130.02: Mathematics for Elementary Teachers

Richard W. Billstein

University of Montana, Missoula

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**MATH 130
MATHEMATICS FOR ELEMENTARY TEACHERS
SECTION 02**

**Autumn 2000
LA 235
Daily 10:10 - 11:10**

TEACHER:

Rick Billstein
Phone: 243-2603
rickb@selway.umt.edu

Office: MA 209
Office Hours: 2-3 or by appointment

Jim Williamson (Office MA B7A - phone 243-2687) will be covering my class when I am out of town. Jim is teaching MATH 130, Section 1.

Prerequisites: Open only to Elementary ED majors (pre-ED) who have passed MATH 100 or the equivalent on the placement exam.

Text:

A Problem Solving Approach to Mathematics for Elementary Teachers (6th Edition) by Billstein, Libeskind, and Lott published by Addison Wesley Longman, 1997.

A **Math Explorer Plus (or TI-34 II)** (Texas Instruments calculators) is highly recommended.

Optional: *Mathematics Activities for Elementary School Teachers: A Problem Solving Approach* by Dolan, Williamson, and Muri (Addison Wesley Longman, 1997)

Course:

Chapters 1 and 2 - approx. 3 weeks – Problem Solving, Sets, Functions, Logic

TEST 1

Chapters 3 and 4 - approx. 4 weeks – Whole Numbers, Integers, Number Theory

TEST 2

Chapter 5, 6, and 7 - approx. 4 weeks – Fractions, Decimals, Ratios, Percents, Applications

TEST 3

Chapter 8 and 9 - approx. 2 weeks – Probability and Statistics

TEST 4 (if time)

Review

FINAL EXAM - Friday, December 22 8:00-10:00

ASSIGNMENTS AND GRADING:

Homework may be assigned and graded. If a sufficient number of homework assignments are graded, they will count towards a final grade. Tests will contain some problems similar to the homework problems and some different kinds of problems

Grades will be based mainly on test results with the final exam worth the equivalent of two regular tests. Make-up tests will not be given without prior arrangements being made. Test grades will normally be assigned using the scale 90 to 100% - A, 80 to 89% - B, 70 to 79% - C, 60 to 69% - D, and below 60% - F. The P/NP option is **not** allowed because this course is required for the elementary major.

**NOTE: Sept 25 is the last day to DROP or ADD a course without a fee being charged. October 16 is the last day to DROP with instructor and advisor signatures. After this date a grade of WP or WF must be assigned.
Holidays: Nov. 7, Nov 10, Nov 22-24**