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MATH 131.01: Mathematics for Elementary Teachers

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The University of Montana

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Math 131
Mathematics for Elementary Teachers
Section 01

Fall 2000
LA 235
MTW(R)F 8:10-9:00

Instructor

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Office: Corbin 259
Hours: 9:30 am – 10:30 am or by appointment

Text

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

Equipment

- Compass, protractor, and ruler are required.
- At least 2 computer disks are necessary, one used to submit homework, the other for backup
- A calculator is highly recommended. The recommended calculator is the Texas Instrument Math Explorer Plus

Course

The class will meet Monday, Tuesday, and Friday (possibly Thursday) in LA 235. Wednesday the class will meet in the computer lab in LA 240. The lab is open for student use 7:30 am - 11:30 pm Monday through Thursday, 7:30 am - 7:30 pm on Friday, 9:00 am - 7:30 pm on Saturday, and 9:00 am - 11:30 pm on Sunday unless a class has reserved the lab.

This course will cover the chapters listed below.

    Chapter 10 - INTRODUCTORY GEOMETRY (approximately 4 weeks)
    Chapter 11 - CONSTRUCTIONS AND SIMILARITY (approximately 3 weeks)
    Chapter 12 - MEASUREMENT (approximately 4 weeks)
    Chapter 13 - MOTION GEOMETRY (approximately 3 weeks)

Tests, Assignments, and Grading

Tests - There will be one test at the completion of each chapter and a final course exam. All tests are open-note assessments. As such, responses on these tests will require logical explanations and justification as support. The date for the final exam is

        Wednesday, December 20, 2000 - 8:00 am - 10:00 am

Quizzes – There will be approximately one quiz given for each chapter. The quizzes are *not* open-note assessments. As such, responses on these quizzes are short answers. If you score 70% or lower you may retake the quiz one time. Upon retaking the quiz the best score possible is 75%.

Assignments - There will be at least two graded homework assignments for each chapter. They will be graded based on completion and clarity of responses. Some of these assignments will require the use of technology.

Grades - Grades will be based on chapter tests, quizzes, assignments, and the final exam. The final exam will be worth the equivalent of one and one half (1 1/2) times a chapter test score. Grades will be assigned according to the following scale: 100% - 90% = A, 89% - 80% = B, 79% - 70 % = C, 69% - 60% = D, and 59% and below = F. The pass/no pass option if not available for this course since it is required for the elementary major.

NOTE: Elementary education majors have priority for seats in this class. Anyone who is not a declared education major may be asked to drop the class to make room for education majors. September 25, 2000 is the last day to DROP or ADD a course without loss of fees. October 16 is the last day to DROP with instructor and advisor signatures and a loss of fees. After this date, a grade of WP or WF must be assigned. There is a $10 charge for all DROP/ADDs.