

Syllabus - MA 150 Mathematics for Elementary Teachers I

Class Time, Days and Location: 2 - 2:50 P.M., MWR, West Science 3806

Instructor: Jane A. Jansen (jjansen@nmu.edu)

Office and Phone: NSF 1113; 227-1603 or 227-2020

Office Hours: As posted and by appointment

Course Prerequisite:

A "C" or better in MA 100 or equivalent recommendation on the math placement exam.

Objectives:

To develop understanding and proficiency in all aspects of the real numbers. Modeling of numbers and operations, problem-solving using various strategies, and the use of manipulatives will be emphasized throughout the course. Group activities will help develop and illustrate various mathematical topics.

Requirements:

- 1) Attendance is required and will be taken daily. If you have more than 3 unexcused absences and your final grade is on the borderline, the absences will negatively affect your grade. In case of illness or other emergency that would result in class absence, you should contact me. You will be responsible for keeping up with assignments.
- 2) Homework will be assigned daily and must be completed daily to get full benefit of the course. I suggest you keep homework problems and class notes in separate notebooks.
- 3) There will be graded take-home assignments given periodically, in-class quizzes and group work that together will represent 15% of the final grade. If you are absent on any day such an assignment is given or due, call me before you return to class to assure I will accept your work.
- 4) Generally, there will be a test after each chapter and these tests will represent 65% of the final grade. If you cannot take an exam on exam day, you must notify me before the exam that you will be missing. A valid excuse is absolutely necessary in order to make up an exam.
- 5) There will be a comprehensive final exam and this will represent 20% of the final grade.

Required Materials:

- 1) Text: A Problem Solving Approach to Mathematics for Elementary Teachers, 8th ed. , by Billstein, Libeskind and Lott, published by Pearson, Addison Wesley, 2004.
- 2) A scientific calculator.

Material to be covered: Chapters 1 through 6

Test Schedule

The following is a very tentative test schedule. Specific test dates will be discussed in class.

Week of:

Sept. 8, take-home test 1

Sept. 13, chap. 2

Sept. 27, chap. 3

Oct. 18, chap. 4

Nov. 1, chap. 5

Nov. 29, chap. 6

The final exam is scheduled for Monday, Dec. 13 at 2:00 P.M.

Grading Scale

A's	90 and above
B's	80 - 89
C's	70 - 79
D's	60 - 69
F	Below 60

Note 1: I prefer you take advantage of my office time to seek help as needed. However, the Math Tutorial Lab will be open during the day throughout the semester. I will inform you of the Math Lab schedule when I receive it. Tutoring is also available through All Campus Tutoring.

Note 2: If you have a need for disability-related accommodations or services, please inform the Coordinator of Disability Services in the Disability Services Office at 2001 C.B. Hedgcock (227-1700; TTY 227-1543). Reasonable and effective accommodations and services will be provided to students if requests are made in a timely manner, with appropriate documentation, in accordance with federal, state, and University guidelines