

## Syllabus - MA 151 Mathematics for Elementary Teachers II

Instructor: Jane A. Jamsen (jjamsen@nmu.edu)

Office: NSF 1113, Phone 227-1603 (Math Office: 227-2020)

### Course Prerequisite:

A "C" or better in MA 150.

### Objectives:

This course emphasizes geometry and logical reasoning but a good deal of time will be spent on probability and statistics. Informal geometry will then be developed through identifying, drawing, constructing, and measuring geometric shapes. We will study some formal geometry and construct formal proofs involving triangle congruence. Measurement in the English and metric systems and transformational geometry will also be covered.

### Requirements:

1. Attendance is mandatory. If you have 3 or more unexcused absences and you are on the borderline, you may get the lower grade for the course. I expect you to call or email me if you must miss class; I will gladly email the assignment to you.
2. There will be in-class quizzes and some take-home assignments. Together they will represent 10% of the final grade. No make-up quizzes will be given. However, if you miss a quiz and have an excused absence, your grade will not be jeopardized.
3. Generally, there will be a test after each chapter and these tests will represent 75% of the final grade. If you have to miss an exam, you must call or email me. Otherwise, you will not be allowed to make up the exam.
4. A comprehensive final exam will represent 15% of the final grade.

### Required Materials:

1. Text: *Mathematics for Elementary Teachers, A Conceptual Approach*, 5th ed. by Albert B. Bennett, Jr. and L. Ted Nelson. Published by McGraw-Hill, 2001.
2. A scientific calculator.
3. For geometric constructions: straightedge (with cm and inch markings), compass, protractor.

### Material to be covered:

Chapters 7 - 11 and work with *Geometer's Sketchpad*

**Tentative Test Schedule:**

Jan. 29, Test 1 on Chapter 7  
Feb. 8, Test 2 on Chapter 8  
March 1, Test 3 on Chapter 9  
March 28, Test 4 on Chapter 10  
April 25, Test 5 on Chapter 11

**Grading Scale:**

90 - 100 % A's  
80 - 89 % B's  
70 - 79 % C's  
60 - 69 % D's  
Below 60 % F

**Note 1:** Take advantage of my office time if you need assistance with the course material. The Math Lab in WS 3810 will also be open by the second week of the semester.

**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 1104 University Center (227-1737). 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.