



MA 202

Mathematics for Elementary Teachers II

Semester: Summer 2003

Instructor: Richard Hitt, Ph.D, Professor of Mathematics

Office Hours: MTWRF 9:30 AM – 10:20 AM and by appointment in ILB 306 (enter via ILB 325).

Phone: (251) 460-6755 is a direct line into my office. If I am not in, you can leave a message on my voice mail. If you need to speak to a secretary, you should dial 460-6264 and press 0 (zero) at the voice prompt.

E-mail: My electronic mail address is hitt@jaguar1.usouthal.edu. This is a good way to get in touch with me.

Web page: Go to <http://www.rhitt.com> and click on the course number. This will take you to the course web page. This url redirects to <http://www.usouthal.edu/mathstat/hitt>. Use whichever you prefer.

Class Meeting: Section 1: MTWRF 10:20 – 11:15 in ILB 360.
Section 2: MTWRF 11:30 – 12:25 in ILB 360.
Section 3: MTWRF 12:40 – 1:35 in ILB 360.

Texts: The primary text for the course is *A Problem Solving Approach to Mathematics for Elementary School Teachers* by Billstein, Libeskind, and Lott (Seventh Edition). An activity book *Mathematics Activities for Elementary School Teachers* by Dolan, Williamson, and Muri (Fourth Edition) is also required.

Coverage: We will cover most of the sections in Chapters 9 – 12 in the primary text.

Objective: This course is designed to acquaint prospective elementary school teachers with topics in geometry that are normally covered in the elementary and middle school grades as well as the methods and activities used to deliver these ideas at the K-5 level.

Description: Topics covered in this course include geometric shapes, measurement, triangle congruence and similarity, coordinate geometry, and geometric transformations. Activities, methods, and resources for delivering these ideas at the K-5 level will be covered. Topics and activities will be tied to the latest version of the *Principles and Standards for School Mathematics* from the National Council of Teachers of Mathematics.

Prerequisite: MA 201 (Mathematics for Elementary Teachers I).

Grading: There will a test at the end of chapters 9, 10, and 11. Each will count as 18% of the course grade. The final exam will be cumulative, and will count as 26% of the course grade. The remaining 20% of the grade will be derived from short quizzes, periodic homework notebook checks, and other assignments (e.g., from the activities book). The lowest quiz/activity grade will be dropped. There are no

make-up tests, quizzes, or notebook checks. Late assignments can be accepted, at my discretion, only when accompanied with a very compelling reason. An appropriate deduction will be made for the degree of tardiness. If you miss a test, a grade for that test will be extrapolated from the part of the final exam that covers the missed test. (Note: You cannot choose to miss a test after you have received the test in class.)

Final Exam: You must take the final exam during the time for the section in which you are registered. This is university policy and I cannot make exceptions to this without the approval of the dean of your college and the dean of Arts and Sciences. The exam schedule is as follows:

Section 1: Wednesday, July 30, 10:30 AM – 12:30 PM;

Section 2: Thursday July 31, 10:30 AM – 12:30 PM;

Section 3: Monday, July 28, 1:00 PM – 3:00 PM.

Notebook: You are required to keep a homework notebook that contains the homework problems and their solutions. I will check this occasionally.

Audit: If you are auditing the class, you will receive a grade of UA (unsatisfactory audit) if, in the judgement of the instructor, you do not consistently attend class.

Note: In accordance with the Americans with Disabilities Act, students with bona fide disabilities will be afforded reasonable accommodations. The Office of Special Student Services will certify a disability and advise faculty members of reasonable accommodations.