Course Information **Math 320, Fall 2005**

Instructor: Dr. Julie Bergner

Class: MWF 9:30 am, Cardwell 129
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Course Web Page: http://www.math.ksu.edu/~jbergner/math320f05
Office hours: M 2-3 pm, WF 10:20-11:20 am

Textbook: *Elementary Mathematics for Teachers,* by Parker and Baldridge, and *Primary Mathematics,* books 3A, 4A, 5A, 6A, and workbook 5A.

Course Objectives: The goal of this course is for you to become proficient in elementary school mathematics. In particular, you should finish this semester with a good understanding of the concepts covered as well as comprehension of why the various procedures work the way they do. While we will address different ways of approaching the material, this course is primarily about your learning the mathematics; it will prepare you for taking the methods course in the education department where you will focus on how to teach it.

Grades: Grades will be based on 850 points, distributed as follows:

Three exams during semester	100 points each
Final exam	150 points
Homework	100 points
Gateway quizzes	70 points
In-class activities	70 points
Note cards	30 points
Quizzes	30 points
Project	100 points

Exams: The **tentative** dates for the exams are:

Friday, September 23
Wednesday, October 26
Monday, November 21

There will also be a two-hour final exam

Tuesday, December 13, 2:00-3:50 pm

Make-up exams will only be given under extreme situations. The exams will be given under the honor code. The exams will consist of problems similar to those on the homework and quizzes. No calculators will be permitted on exams.

Homework: Homework assignments are posted on the course web page. Homework will be due each Wednesday. You are encouraged to work together

on the homework assignments, but copying directly from another student's work is not allowed. Late homework is not accepted. Each night you will be asked to read the sections to be covered the next class and bring in a **4x6** note card with the main idea of the section(s) and any questions or comments you have.

Gateway quizzes: The gateway quizzes are online quizzes that you will be asked to complete **individually** at various times during the semester. You may attempt each quiz as many times as you wish before the due date, but be aware that the problems will not be identical each time you take it. Since the purpose of the gateway quizzes is to show you are proficient in elementary mathematics, you must obtain a perfect score on each quiz in order to obtain credit for it. The honor code applies to gateway quizzes.

In-class activities and quizzes: In class each day, there will be a quiz and/or an activity. The quizzes are not intended to scare you, but to give you an idea of how well you are understanding the course material. The activities will give you a chance to work with new concepts and methods covered that day in class. Having in-class work that is graded will also be a means of rewarding attendance.

Project: The project will give you an opportunity to learn some additional mathematics that might be useful to you in an elementary classroom. Some ideas for the project can be found on the course web page, but you are also encouraged to think of your own. The project can be done individually or in groups of two. You will be asked to write a short paper and, time permitting, give a presentation to the class about what you have learned. You must have your project topic chosen by Monday, September 12. The paper for the project is due on Friday, November 11.

Notices: Plagiarism and cheating are serious offenses and may be punished by failure on the exam, paper, or project, failure in the course, and/or expulsion from the University.

If you have any condition, such as a physical or learning disability, which will make it difficult for you to carry out the work as outlined above or which will require academic accommodations, please see the instructor in the first two weeks of the course.

A Final Note: We will be covering a lot of material in this course, and most of the material depends on what comes before, so showing up to class and keeping up is extremely important. Please do not hesitate to ask questions when you have them, either in class or in my office. Feel free to call me, e-mail me, or even drop by my office to get help when you need it.