

Math 2010-01 Math for Elementary Teachers I
Fall 2009 CRN: 40124
MW 1~2:15 PM Room: NIB 150

INSTRUCTOR: Dr. Clare Banks, banks@dixie.edu
Office: NIB 138 *Phone:* 652-7982
Office Hours: MTWR 8 ~ 8:50, 11:00~11:50 and by appointment.

REQUIRED : Musser, G., Burger, W., & Peterson, B.(2008), *Mathematics for*
TEXT *Elementary School Teachers: A Contemporary Approach* (8th ed.)

COURSE Course description from catalog, course objective, and course outcomes for
INFO math 2010 course can be found on the math department website:
http://www.dixie.edu/math/math_2010.php

PREREQUISITES: C or better in Math 1050, or the equivalent.

CALCULATOR: Dr. Banks will be using the TI-83 Plus to work on some of the problems in class. You may use a calculator to assist with your work in class and on homework assignments if you wish. However, you must be able to simplify and solve problems using just pencil and paper as the use of calculators is not allowed on the exams.

DISABILITIES: If you are a student with a medical, psychological or a learning difference and requesting reasonable academic accommodations due to this disability, you must provide an official request of accommodation to your professor(s) from the Disability Resource Center within the first two weeks of the beginning of classes. Students are to contact the center on the main campus to follow through with, and receive assistance in the documentation process to determine the appropriate accommodations related to their disability.

You may call (435) 652-7516 for an appointment and further information regarding the Americans with Disabilities Act (ADA) of 1990 per Section 504 of the Rehabilitation Act of 1973.

Their office is located in the Student Services Center, Room #201 of the Edith Whitehead Building.

CHEATING AND DISRUPTIVE BEHAVIOR Cheating and disruptive behavior will not be tolerated. Dixie State College policy on Academic Dishonesty is explained on the website <http://www.dixie.edu/humanres/policy/sec3/334.html>

Policy for Absences Related to College Functions:
<http://www.dixie.edu/humanres/policy/sec5/523.html>

GRADING POLICY/SCALE: The course grade and weights are given below.

Homework	10%	Tutoring	5%	Four Exams	50%	Participation	5%
Project	5%	Final Exam	15%				

94-100% A, 90-93% A-, 87-89% B+, 83-86% B, 80-82% B-, 77-79% C+, 72-76% C
69-71% C-, 66-69 D+, 60-65% D, 55-59% D-, 55% or less F

IMPORTANT DATES: Please see <http://new.dixie.edu/reg/?page=fall2009> for important dates.

DMAIL: Important class and college information will be sent to your Dmail email account. This information includes your DSC bill, financial aid/scholarship notices, and notification of dropped classes, reminders of important dates and events, and other information critical to your success in this class and at DSC. All DSC students are automatically assigned a Dmail email account. If you don't know your user name and password, go to www.dixie.edu and select "Dmail," for complete instructions. You will be held responsible for information sent to your Dmail email, so please check it often.

HELP: I am available during my office hours and by appointment. Browning Resource Center also has tutors available.

WEBSITE RESOURCES Tutoring <http://dsc.dixie.edu/tutoring/index.htm>
Library <http://library.dixie.edu/>
Writing Center http://new.dixie.edu/english/dsc_writing_center.php
Testing Center <http://new.dixie.edu/testing/>

SUCCESS: The teaching of elementary school mathematics is no longer focused on computational skills; instead the focus is on understanding, communication, and reasoning. As you are preparing yourselves to become successful teachers you can not settle for using rules and formulas to find your answers. You must work until you understand and are able to justify your answers. You should come to class ready to share your ideas, explore and reflect with your classmates, make mistakes and ask questions. This course requires a variety of work to be completed both in and outside of the classroom. *Expect to spend at least 8 hours per week to study for what may be the most important mathematics course of your career.*

ASSIGNMENTS:

1. Homework

Homework will be assigned regularly and collected every Tuesday. You may hand in your homework late without my permission twice this semester (not to exceed 1 week). After you used up those 2 times, your late homework will no longer be accepted. Please utilize these two times with caution.

2. Tutoring Log/Research paper/Presentation

Throughout the semester, you are required to do 15 hours of Mathematics tutoring. Your log should have an entry for each hour of tutoring. These tutoring experiences should be done at an appropriate level of instruction, and if at all possible with the same student over the semester. To avoid conflict with the education department, math 2010 students should limit their visits to the following schools:

School	Address	Area	Phone #
West Elementary	12 N 300 W	West St. George	628-4427
Bloomington Elementary	425 Man of War Road	Bloomington	673-6266
Bloomington Hills Elem.	919 E Brigham Road	Bloomington Hills	674-6495
Riverside Elementary	2500 S. Harvest Lane	Washington Fields	652-4760
Panorama Elementary	301 N 2200 E	East St. George	628-6881
Red Mountain Elementary	263 E 200 S	Ivins	656-3802
Dixie Downs Elementary	1795 W 1230 N	Dixie Downs	673-8978
Fossil Ridge Intern.	383 S. Mall Drive	East St. George	652-4706
*Any Middle School			

3. Examinations

There will be four chapter exams as well as a comprehensive final exam.
No makeup exams will be given except in the case of a documented illness

4. Attendance/Participation

Students that are tardy, leave class early, or are unwilling to participate in class activities will be considered absent and will not get participation points. Missed in-class work and activities cannot be made up.

5. Project

Projects will be explained as assigned 2 weeks after the start of the semester.

Weekly Schedule (Tentative)

Dates	Lessons	Homework
Aug 24	Intro, 1-1	
Aug 26	1-2	
Aug 31	2-1	1-1, 1-2
Sep 2	2-2	
Sep 7	Labor Day, no class	
Sep 9	2-3	2-1, 2-2
Sep 14	2-4	2-3
Sep 16	Exam I	
Sep 21	3-1	2-4
Sep 23	3-2	
Sep 28	3-3	3-1, 3-2
Sep 30	4-1	Submit 5 tutoring log
Oct 5	4-2	3-3, 4-1
Oct 7	No Class	
Oct 12	4-3	4-2
Oct 14	Exam II	
Oct 19	5-1	4-3
Oct 21	5-1	
Oct 26	5-2	5-1
Oct 28	6-1	Submit 5 tutoring log
Nov 2	6-2	5-2, 6-1
Nov 4	6-3	
Nov 9	Exam III	6-2, 6-3
Nov 11	7-1	
Nov 16	7-2	7-1
Nov 18	7-3	
Nov 23	7-4	7-2, 7-3
Nov 25	Thanksgiving, no class	
Nov 30	Exam IV	7-4
Nov 28	Project Presentation	Submit 5 tutoring log
Dec 3	Project Presentation	
Dec 5	Project Presentation	
Dec 16	Final Exam 12:00 ~ 2:00	

Warning: I reserve the right to make changes to the syllabus at any time during the term by announcing the changes in class.