

email: ca.spengel@csun.edu Telephone: use email Math Office: 677-2721

Office Hours: TTh 12:25-13:45 & MW 15:15 @ SH274 & MW 20:15-20:45 @ SH276 & appt.

Dates & information contained herein will be amended. Updates on Web: www.csun.edu/~cas24771

COURSE OBJECTIVES:

Successful students will gain (1) deep understanding of the fundamental concepts of elementary school mathematics, in accordance with the California Standards, and (2) insight into the presentation of mathematics, growth of mathematical reasoning, problem-solving, explanation and assessment.

MATERIALS:

Text: ELEMENTARY MATHEMATICS FOR TEACHERS by Thomas H Parker & Scott J Baldrige, with necessary accompanying Primary Math Textbooks 3A, 4A, 5A, 6A and Workbook 5A. (May be bundled in the bookstore.)

Miscellany: Straightedge; clean-edged 8.5"x11" paper, pencil. Optional: colored pencils or pens.

Calculator: No calculator is required. You may find one useful on occasion, but should not be dependent on a calculator for routine simple computations. A successful elementary school teacher should be comfortable calculating mentally and using written algorithms.

COURSE REQUIREMENTS:

1. Attendance & class participation: Class participation is a part of this class.

Your questions, answers and comments contribute to the learning experience of the class.

Attendance will be taken by means of a sign-in sheet; always sign in.

Points for attendance & participation will be added to your "HQA" total (see 2).

2. Work & Quizzes:

Preparation for class & exercise (i.e. class/group-work & homework) are vital learning mathematics.

You should read each section before it is discussed in class.

Assigned exercises should be completed as the topics are covered.

Homework assigned each class meeting, and collected at announced due dates; do it to learn from it.

Impromptu quizzes, on homework and on topics discussed in class, will be given.

Late homework is NOT accepted; there are NO makeups for quizzes (nor, with rare exception, tests).

Including attendance points, your HQA (homework, quiz & attendance) points will be computed:

$$(200 \text{ pts}) \times (\text{Your HQA pts}) / (\text{Highest Student HQA Total}) = \text{Your HQA total. (Possible HQA pts: 200.)}$$

3. Tests: There will be three one-hour tests at 100 points each.

NO make-ups; if you miss a test, your performance on the final will replace that grade.

Total possible Test Points: 300.

4. Final examination: The common final exam is on Saturday, Dec 13, at 11:30-13:30.

Prepare well! Pts: 300.

Questions will be similar in style & content to the practice final, which you may download.

5. Miscellaneous Requirements:

★ CSUN policy requires students to initiate and check their CSUN email accounts for official notifications.

★ All written work must be organized, legible and appropriately labeled with section & problem #s, etc.

★ Calculators will not be allowed on the tests & final, so if you use one, don't be dependent on it.

★ Class participation is welcome and necessary; behavior appropriate to a university classroom is required.

★ Any writing assignments will be graded on writing skills in addition to mathematical content.

★ The following are NOT ACCEPTED: papers torn from spiral notebooks ("ruffled" edges); miniature, oversize, or day-glo colored papers; writing too faint to be read under artificial light.

★ Reminder: Keep current on your work: there are NO make-ups for tests, quizzes or homework.

GRADES:

Grades are based on points earned as described above; + & - grades are assigned. Each component (HQA, tests, final exam) comprises part of the grade; all are important. If you are unsure of your prospects at any point, talk to me— Do NOT assume! Now for the guarantee: if, out of the 800 points possible, you earn 720 points, you have an A; 640, a B; 560, a C; 400, a D... with this one exception:

Academic dishonesty, or cheating,** on any quiz or test merits an F for the course.

(**See <http://www.csun.edu/a&r/soc/studentconduct.html> - behaviors, particularly items 1 & 20.)

COMMENTS:

I will be available T and Th 12:15-13:45 for your convenience. If you have trouble with a topic, do not delay seeking help; help is available from me, the Math tutors in SH274, and from fellow students. Many students have found group study beneficial to understanding and enjoyment of this course. Review & help sessions (optional) may be held outside of class.

This course includes more material than can be covered thoroughly in class time since much of it relies on skills that should have been mastered in prior courses. As a college student, you are responsible for filling in the gaps. Arithmetic skills, and some algebraic skills are necessary. In previous semesters, students have been required to complete an algebra skills mini-course called "ALEKS". The State has negotiated a reduced license fee for CSU students to use this well-designed software. A few individuals did not need such a review, so the mini-course is now optional. Step-by-step instructions for purchasing and logging on to this program are at this ALEKS purchase link. If you are unsure of your need for this mini-course, try it out at this ALEKS free trial site.

Do not assume that you know the material just because it looks familiar, or easy, in class.

Try the homework exercises as early as possible each week, even before the material is covered in class.

Don't let anything "slide", keep your studies up-to-date. Make this a most productive and rewarding semester!

MATH 210 #18000 & 15825 TOPICS SCHEDULE & Assignments

FALL 2008

Please note the ONLY holidays are Sep1, Nov 11, and Nov 27-30; classes are held on all other weekdays from August 25 through December 10. Also note your final exam is Saturday, Dec 13, 2008.

For each class meeting: Read the section of the text prior to class meeting, preview assigned problems. Problems listed are those from the textbook; additional problems will be assigned.

Get the textbook NOW. If there is any obstacle, speak to me immediately. We will cover the entire text with the exception of section 1.7, and parts of 6.6 and 9.4.

Anticipated Schedule (detailed assignment has been made for the first week only):

Week	Dates	Notes
1	8/25-30	Course overview; numbers and numeration; arithmetic §1.1 (p 6) #1-8 §1.2 (p 13) # 1a-cfg, 2a-ce, 3, 4, 6 §1.3 (p 18) # 1-5, 7, 8
2	9/1-6	Labor Day Holiday, Monday, 9/1. Classes meet as scheduled Tuesday-Saturday.
3	9/8-13	
4	9/15-20	
5	9/22-27	
6	9/29-10/4	
7	10/6-11	
8	10/13-18	
9	10/20-25	
10	10/27-11/1	
11	11/3-8	
12	11/10-15	Veteran's Day Holiday, Tuesday, Nov 11
13	11/17-22	Thanksgiving Break 11/28-11/30 Classes meet as scheduled Monday-Wednesday
14	11/24-30	
15	12/1-6	
16	12/8-13	Classes meet as scheduled, Monday-Wednesday. Exams begin Thursday, 12/11. Math 210 common final Saturday, Dec 13, 11:30 AM PST (location to be announced).

Advice to College Students- see website, General Notices page.