

MATH 246—MATH FOR ELEMENTARY TEACHERS I
SYLLABUS, Intersession 2005

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Office Hours: by appointment

TEXT: *Mathematical Reasoning for Elementary School Teachers*, Third Edition by, Calvin Long and Duane DeTemple

SUPPLIES: Graphing calculator, ruler, scissors, graph paper, compass, protractor, colored pencils.

PURPOSE: This course is designed to prepare students to meet the challenge of teaching mathematics in elementary school. This is not a methods course. The primary focus of the course is mathematics content; however, material is presented in a way that suggests effective approaches to teaching children.

TESTS: There will be 2 major tests during the semester. Each test will count 100 points. The test questions will be similar in format to the examples in the book, examples presented in class, and the homework and practice problems assigned. In addition, there will be 9 in class quizzes with a grade value of 10 points each. The best 6 of the 9 quizzes will be used to calculate a quiz grade. A grade (maximum 40 points) will also be given for class participation. The quiz and participation grades will be added together to make a 100-point grade. The final exam will count 150 points and will cover all material covered during the semester. For every absence after the second absence, 10 points will be deducted from the total points earned. Every tardy after the third tardy will be counted as an absence.

FINAL COURSE GRADE:

<u>Total points</u>	<u>Percentage</u>	<u>Letter grade</u>
405-450	90-100	A
360-404	80-89.9	B
315-359	70-79.9	C
270-314	60-69.9	D
below 270	below 60	F

IMPORTANT NOTES:

1. Students enrolling in MATH 245 or MATH 246 must have successfully completed at least one other college-level mathematics course before enrolling. MATH 245 is a prerequisite for MATH 246. Students whose college-level math courses were completed at another college or university may be asked to provide proof of completion.
2. This course is designed for students whose major is either Elementary Education or Special Education; it cannot be used to complete core mathematics requirements for students in Liberal Arts.
3. Students who must miss a test for an official University function must provide written documentation in advance and take the test BEFORE the scheduled test date.
4. In-class quizzes will be given during the first 10 minutes of class. No make-up quizzes will be given.
5. The participation grade will be based on attendance and participation in class activities. Refusing to participate in class activities will be considered an absence; 10 points will be deducted from your total points for every absence after the second absence. Students are expected to arrive on time for class and to stay until the class is dismissed. Absences will not be classified as "excused" and "unexcused". Any student who is habitually tardy or who leaves the classroom while class is going on may lose participation points.
6. Please turn off your cell phone before class begins. If your cell phone rings during class (or during a test) you will be counted absent.
7. Every student must take the final exam at the time scheduled—*no exceptions!!*

8. The Department of Mathematics strictly enforces the cheating policy stated in the M Book. The penalty for cheating is failure in the course and possible dismissal or suspension from the University.

9. The last day to withdraw from a course without receiving a grade is **Thursday, July 14**. Students who are allowed to withdraw after that date will receive a W if passing at the time of withdrawal and an F otherwise. Please talk to your instructor and/or your advisor before withdrawing from a course after the withdrawal deadline.

Test dates and suggested practice problems: (The problems with blue numbers or letters are answered in the back of the book. Work those and check your answers.

For Test 1 on Tuesday, July 12

10.1 1-28

10.2 1-31

10.3 1-26

11.1 1-33

11.2 1-32

11.3 1-23

11.4 1-20

For Test 2 on Tuesday, July 26

12.1 1-19

12.2 1-41

12.3 1-31

12.4 1-32

14.1 1-29

14.2 1-27

14.3 1-26

13.1 1-18

13.2 1-30

Final Exam will be Thursday July 28 at 12:00 noon.