

MATH 245—MATH FOR ELEMENTARY TEACHERS I SYLLABUS, FALL 2005

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Office: 201 Vardaman
Office Hours: TTH 9:30-11:30 or by appointment

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

SUPPLIES: Graphing calculator, ruler, scissors, tape, glue, graph paper, stapler, colored pencils, three-ring binder.

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 3 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 12 quizzes with a grade value of 10 points each. The best 10 of the 12 quizzes will be used to calculate a quiz grade. A grade (maximum 50 points) will also be given for class participation. The final exam will count 150 points and will cover all material covered during the semester.

FINAL COURSE GRADE: The following scale will be used to determine your grade for the course:

<u>Total points</u>	<u>Percentage</u>	<u>Letter grade</u>
540-600	90-100	A
480-539	80-89.9	B
420-479	70-79.9	C
360-419	60-69.9	D
below 360	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. 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 other areas.
3. Cell phones must be turned off and stored out of sight during class. If your cell phone rings during class, you will be marked absent.
4. ***No make-up tests or quizzes will be given.*** If a test or quiz is missed for any reason a grade of 0 will be assigned. 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.
5. Quizzes will be given at the beginning of the class period. Ten to fifteen minutes will be allowed for finishing each quiz. Students who arrive late will only be allowed to work on the quiz until time is called for those who arrived on time.
6. 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 participation grade for every absence after the fourth absence. Students are expected to arrive on time for class and to stay until the class is dismissed. Every late arrival or early departure after the third will be counted as an absence.
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 **Monday, October 3**. 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 (tentative) and suggested practice problems

For Test 1 on Thursday, September 22

- 1.1: 1,3,5,6,10;
- 1.2: 1,4,5,12;
- 1.3: 8,10,14,16,19,21;
- 1.4: 1,2,4,5,20;
- 1.5: 6,7,8,9,11,12;
- 2.1: 1,3,4,6,7,8,11;
- 2.2: 3,5,10,11,14,15,29,34;
- 2.3: 1,5,8,9,11,12,16,18;
- 2.4: 1,2,5,7,13,14,15,16,17,20,27;
- 3.1: 1,2,3,5,10,16,17;
- 3.2: 1,5,6,7,8,9,10,11;
- 3.3: 1,5,9,12,13,17,18,19,20,21,25,26;
- 3.4: 1,2,4,6,8,9,10,11,12,14,15,17,20;
- 3.5: 1,2,3,5,6,8,9,10,15,16,17,23,31.

For Test 2 on Thursday, October 20

- 4.1: 3,5,6,7,8,9,10,11,14,16,17,29;
- 4.2: 1,2,3,4,5,6,7,9;
- 4.3: 1,2,3,4,5,9,11,19,23;
- 5.1: 12,3,7,10,11,16,17,22,23,25;
- 5.2: 1,3,5,7,8,11,12,17,18,19,20,21,22,23,37,38;
- 5.3: 1,2,3,4,9,10.

For Test 3 on Tuesday, November 29

- 6.1: 5,6,10,11,12,13,15,16,17,18,19,20,25,33,34,35,36;
- 6.2: 5,6,10,12,15,17,23,33,35,36,38,39;
- 6.3: 4,5,6,8,11,12,13,15,16,18,19,20,31,33;
- 7.1: 1,2,3,4,6,14,15,16;
- 7.2: 1,2,3,4,5,7,13,14,18,20,21,22,23;
- 7.3: 3,4,5,8,21,22,24,30;
- 7.4: 1,2,3,4,5,9,11,12,13,19,21,23,28,30.

Final Exam

- Section 1 (8:00 class) **Friday, December 9**, at 8:00 AM
- Section 2 (1:00 class) **Thursday, June 27** at 12:00 NOON