

Math 1480-001 Math for Elem School Teachers I Fall 2020

Instructor: Ms. I. Tayahi

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Prerequisites: Minimum grade of C- in MATH 1100, 1420, 1710 or 46 or above in the ALEKS test.

Course Description:

(3 credits) Examination of mathematics taught in grades K-6 focusing on the Tennessee Academic Standards Domains of Counting and Cardinality, Operations and Algebraic Thinking, Number and Operations in Base 10, Number and Operations - Fractions, and Expressions and Equations.

Goals: This course is a mathematics course focusing on elementary school mathematics. The main goal, of course, is to acquire a solid knowledge of that material. But an elementary school mathematics teacher needs to know much more, including: (i) how to present the material in the simplest, clearest way, (ii) the appropriate sequential order for developing mathematics skills, and (iii) what the students will find difficult and what errors they are likely to make, and (iv) how each topic helps advance the mathematical level of the students.

Required Material:

Texts:

- *Elementary Mathematics for Teachers*, by Thomas H. Parker and Scott Baldridge.
- *Primary Mathematics textbooks (U.S. Edition)* — Primary Mathematics 3A, 4A, 5A, 6A and Workbook 5A.

Class Schedule/ Expectations: This semester MATH 1480 is being offered as a Remote Course for the first month, lectures will be held over Zoom during scheduled class time MWF 9:10am–10:05am. The time and URL for each Zoom meeting will be communicated in advance via email and it will be posted in eCourseware. Zoom lectures will be recorded and posted in eCourseware. And the course may open after that as a Hybrid Course which may mean we will only be meeting on campus on certain assigned dates. You will get a schedule of these days and times before the campus classes begin. When there is a scheduled class on campus, we will meet in Room Dunn Hall 123. You must wear a mask to enter the room. Attendance will not be counted toward final grade. Please take time to go to the following page and read what the administration and faculty believe to be important considerations for you, as a student, to consider regarding the COVID-19 virus.

<https://www.memphis.edu/msci/news/covid.php>

Location of Course Materials:

The materials for this class are all delivered through eCourseware (eLearn). All course materials including the assignments, the instructions, the PowerPoint slides, discussion topics, news, etc. are located on the eCourseware.

Office hours:

My office hours will be held remotely: MWF 10:15am–11:15 am
Please email me to schedule an appointment.

Grading Policy: There will be 3 in class tests, a final exam, and homework / quizzes / special assignments, with percentages as shown below. Missed exams will count as 0 points. If you must miss a test because of an official school function you may schedule to take the test at a time prior to the original test date. No other rescheduling will be allowed.

Quizzes/homework/special assignments (added to sum 100 points):	100
Three tests (dates given below, each test will be 100 points):	300
Comprehensive Final Exam (date: F, November 20, 10:30am–12:30pm):	<u>+ 100</u>
Total Points possible	500

The grading scale is straightforward:

90%–100% = A. 450–500 points.	60%–69% = D. 300–349 points.
80%–89% = B. 400–449 points.	0%–59% = F. Below 300 points.
70%–79% = C. 350–399 points.	

This grading scale will not be curved, even at the end of the semester. All grades are based on how well each student learns the material, so grades are not competitive. Grades in MATH1480 are based on understanding, not upon comparisons with other students.

All questions pertaining to test material must be asked prior to the day of the test as no questions will be allowed during the test. Any student who arrives late for a test may forfeit his right to take the test if another student has completed the test and left the classroom.

Homework and Quizzes: Mathematics is learned by practice, and confidence is gained through mastery of the material. Homework will be assigned daily in class and is due at the beginning of the next class. There might be occasional quizzes. The time spent on homework will vary, but a good rule of thumb is 2 hours for every hour spent in class, adding more time to prepare for tests. It is essential not to get behind; we will work at a brisk pace.

You are encouraged to work in groups on difficult homework problems. This doesn't mean that you should copy from someone or allow someone to copy from you. Rather, you should explain the difficult problems and solutions to one another to help each other understand.

Do not let yourself get behind in class! As in most math courses, the material progressively builds upon itself. If you do not understand a particular topic, ask in class or in office hours.

The instructor reserves the right to make changes in the syllabus if necessary due to time constraints or other unforeseen events. If this is necessary, members of the class will be notified.

Calculators: Calculators will **NOT** be used for this class, and will not be allowed for exams. A successful elementary school teacher should be confident and comfortable solving problems mentally and on paper. One of the goals of this course is to develop that facility.

Academic Integrity: The University of Memphis Code of Student Conduct Academic Dishonesty defines academic misconduct as “all acts of cheating, plagiarism, forgery

and falsification.” For further information, please consult the Code of Student Rights and Responsibilities: <http://www.memphis.edu/saos/pdfs/csrr.pdf>

Departmental Tutoring: The Math Learning Center is offering only online tutoring during this semester at www.memphis.edu/onlinetutoring.

Student Accommodations:

Students with accessibility issues or learning accommodation issues due to a disability should contact Disability Resources for Students (DRS) to submit an official request for course accommodations. Contact DRS at 901.678.2880 or at drs@memphis.edu. (<https://www.memphis.edu/drs/index.php>)

Course schedule: Any changes of this schedule will be posted in eCourseware.

August	17	Syllabus, 1.1		14	5.1
	19	1.2		16	5.2
	21	1.3		19	5.3
	24	1.4		21	5.4
	26	1.5		23	5.5
	28	1.6		26	6.1
	31	1.7		28	6.2
September	02	2.1		30	6.3
	04	2.2	November	02	6.4
	07	Labor Day		04	6.5
	09	2.3		06	6.6
	11	Review		09	Review
	14	Test 1		11	Test 3
	16	3.1		13	Review
	18	3.2		17	Review- Last Day of Class
	21	3.3			
	23	3.4		20	Final Exam
	25	3.5			10.30am–12.30pm
	28	3.6			
	30	4.1			
October	02	4.2			
	05	4.3			
	07	4.4			
	09	Review			
	12	Test 2			

* If you send an email, be sure to include the course title MATH 1480, and use your university email – Otherwise your email may be unintentionally marked as spam and go unanswered.