



EAST TEXAS A&M

MATH 1350.01E, Topics in Mathematics for Elementary Teachers

COURSE SYLLABUS: Spring 2025

INSTRUCTOR INFORMATION

Instructor: Laura Beene

Office Hours: MW 1 - 2:30 pm, TR 2 - 3 pm

University Email Address: laura.beene@tamuc.edu

Communication Response Time: 24 hours

Office Location: Binnion 311

Office Phone: 903-886-5946

Preferred Form of Communication: email

COURSE INFORMATION

Materials – Textbooks, Readings, Supplementary Readings

Textbook: Students are required to have access to *Mathematics for Elementary School Teachers (7th Edition)* by Bassarear and Moss (ISBN 978-1-337-62996-6). We will discuss chapters 1-4 from the textbook. Homework assignments will be from the textbook.

A variety of supplemental materials will be provided to students throughout this semester. Students will benefit a **three-ring binder** to keep and organize course materials, notes, and graded work. Students will also need a **basic calculator, a ruler (with metric and standard measurement), scissors, stapler, and colored pencils**. All exams must be completed in pencil.

Course Description

Topics include problem solving and reasoning, sets, numeration, the four fundamental operations of arithmetic, number theory, integers, fractions, decimals, mental arithmetic and estimation. Students should already have substantial skills in these areas. The course focuses on underlying concepts and multiple techniques of explaining the concepts in addition to extended problem-solving. Prerequisite: Math 1314 with grade of C or better.

As a future teacher, student must be able to explain mathematics to one's students, and not just teach rote manipulations of numbers and symbols. Students should know and understand more mathematics than what they teach! The goal of this course is beyond teaching simple mathematical computations and to assist students in developing an understanding of mathematics.

Student Learning Outcomes

Upon completion of Math 1350, students will be able to:

1. Demonstrate, illustrate, & communicate concepts of whole numbers, fractions, decimals and their operations using manipulative & various models
2. Identify patterns and solve problems with the topics of sets and Venn Diagrams
3. Develop deeper understanding of mathematics thinking and connect ideas between mathematical concepts of the above topics
4. Equip with various strategies and become proficient in solving problems

The syllabus/schedule are subject to change.

COURSE REQUIREMENTS

Minimal Technical Skills Needed

A basic scientific calculator is recommended for this class. Students need to check their e-mail regularly with the address that they have provided to the instructor for class announcement. Access of computer with internet along with MS office software and a printer will be needed for some of the class projects.

Instructional Methods

Class time will be spent in lecture, demonstration and models, and hands-on activities in small and/or large group settings. Several types of manipulative will be demonstrated and used to solve problems. Cooperative learning, inquiry learning, and the use of technology will be incorporated into this class. All work should be completed in pencil.

Student Responsibilities or Tips for Success in the Course

Students are encouraged to study and work in groups. In addition, the free tutoring on campus and from online is also highly recommended. **Math Skills Center** is located in Binnion 328, is open **Mon & Wed: 10am – 8pm; Tues & Thurs 10am – 6pm; & Fri 10am – 2pm**. The **Academic Success Center** offers tutoring in the library, as well as Supplemental Instruction. Their hours can be found on the university web site. Also, each student has available tutoring hours through the online tutoring service, tutor.com. Additional details can be found here:

<https://www.tamuc.edu/campusLife/campusServices/academicSuccessCenter/tutorInfo/default.aspx>

GRADING

Final grades in this course will be based on the following scale:

A = 90%-100%

B = 80%-89% C = 70%-79%

D = 60%-69%

F = 59% or Below

Assessments

Attendance, Participation, and Quizzes	5%
Homework, Activities, and Projects	20%
Exams	50%
Comprehensive Final Exam	25%

TECHNOLOGY REQUIREMENTS

Students need to **check their MyLeo e-mail regularly** for class announcements.

A scanner or a cell phone with a free scan app (CamScanner or Adobe Scan is recommended) that allows you to scan work out steps to a scan pdf file is required. **Access to a printer** will be helpful if you like to print out class handouts. A basic scientific calculator would be helpful but not necessary for the course.

MyLeo Online Learning Management System (LMS):

D2L in MyLeo: All course sections offered by East Texas A&M University have a corresponding course shell in the myLeo Online Learning Management System (LMS). Below are technical requirements:

LMS Requirements:

<https://community.brightspace.com/s/article/Brightspace-Platform-Requirements>

LMS Browser Support:

https://documentation.brightspace.com/EN/brightspace/requirements/all/browser_support.htm

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Access and Navigation in MyLeo/D2L

MyLeo Support: You will need your campus-wide ID (CWID) and password to log into your course in D2L. If you do not know your CWID or have forgotten your password, contact the Center for IT Excellence (CITE) at 903.468.6000 or helpdesk@tamuc.edu.

Note: Personal computer and internet connection problems do not excuse the requirement to complete all course work in a timely and satisfactory manner. Each student needs to have a backup method to deal with these inevitable problems. These methods might include the availability of a backup PC at home or work, the temporary use of a computer at a friend's home, the local library, Starbucks, a ETAMU campus computer lab, etc.

COMMUNICATION AND SUPPORT

If you have any questions or are having difficulties with the course material, please contact your Instructor.

East Texas A&M Supports Students' Mental Health

The Counseling Center at East Texas A&M, located in the Halladay Building, Room 203, offers counseling services, educational programming, and connection to community resources for students. Students have 24/7 access to the Counseling Center's crisis assessment services by calling 903-886-5145. For more information regarding Counseling Center events and confidential services, please visit www.tamuc.edu/counsel.

Technical Support

If you are having technical difficulty with any part of Brightspace, please contact Brightspace Technical Support at 1-877-325-7778. Other support options can be found here:

<https://community.brightspace.com/support/s/contactsupport>

Interaction with Instructor Statement

Students will be expected to interact with the instructor(s) in class, during office hours or via electronic means in an appropriate manner. All instructor contact information is listed on this syllabus and should be used. Please use email to facilitate a quick response.

COURSE AND UNIVERSITY PROCEDURES/POLICIES

Course Specific Procedures/Policies

Attendance:

Attendance will be taken promptly at the start time of each class. Furthermore, students must be actively participating in class to receive credit for attendance that day. If you are part of an athletic or scholastic team or other group and must miss class, you may be excused only if the absence is listed as an excused absence by the university. You will be expected to communicate this absence to me at least one week beforehand. If a student misses class, please get the notes from another student and see me during office hours with any questions.

Excessive Absences: * Students who are absent more than 6 times, for whatever reason, are subject to the instructor dropping them from the course or receiving a failing grade from this class.***** Six absences in this course constitutes missing 20% of the course, which is a very large fraction of material for a student to miss. Any student who is close to this number of absences should come to the instructor before they accumulate six absences in the course. I will NOT automatically drop students from the course. Therefore, if students intend to drop the

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course, students will need to follow the drop procedures of the school. If I intend to drop students from the course, students will receive an email from me at the address students have given me on my student information sheet.

Homework:

Homework will be assigned most class periods. **It is extremely important for students to work all assignments in order to be prepared for the exams.** Students can work together with classmates when trying to figure out how to do the problems. Please include classmate(s)' name(s) on the top of students' paper if students have worked with another students for an assignment. Homework assignments will be turned in through D2L. **Late work is not typically accepted and will be graded with reduced credits. Assignments that are turned in a week passed the due date will receive a zero for the grade.**

Quizzes:

Both individual and group quizzes will be given in class and the grade will be counted toward students' daily grade. Since regular attendance is expected, **NO make-up quizzes will be given.** This class covers a variety of important topics that there is not a "good" time to miss a class. Each quiz will be over material to be emphasized on exams. Quizzes will average into students' daily grade.

Activities and Projects:

Activities or projects will be assigned for students to work on outside of class periodically. These activities or projects will vary in their scope and should be completed neatly and punctually. An Activity or project is typically counted as twice a homework grade. Please follow the instructions for each activity or project closely and turn in quality work that reflects students' future profession as a teacher.

Exams:

There will be three scheduled exams before a comprehensive final exam and will consist of a variety of problems and short answer questions. Partial credit may be given on exams IF all work is neatly shown with clear steps. When pictures are drawn to answer a question, figures need to be clearly labeled and easily understood. **CELL PHONES AND OTHER SUCH DEVICES MUST BE TURNED OFF AND STORED OUT OF THE STUDENT'S REACH DURING AN EXAM.** All exams must be completed in pencil.

***I do not give any make-up exams unless pre-arranged and accompanied by a documented University-excused absence.** Students can replace the lowest exam grade with their grade on the corresponding portion of the final exam, provided the grade on that section of the final exam is higher.

* University Authorized Excuses: 1) Participation in a required/authorized university activity; 2) Verified illness; 3) Death in a student's immediate family; 4) Obligation of a student at legal proceedings in fulfilling responsibility as a citizen; and others determined by individual faculty to be excusable (e.g., elective University activities, etc.)

Tentative Testing Schedule: Exam #1: 2/6, Exam #2: 3/20, Exam #3: 4/24

Final Exam:

The final exam will be a comprehensive exam. The final exam will be given as per the university schedule **Thursday May 8th, 8am-10am** * **There are no make-up exams for the final exam!** *

Syllabus Change Policy

The syllabus is a guide. Circumstances and events, such as student progress, may make it necessary for the instructor to modify the syllabus during the semester. Any changes made to the syllabus will be announced in advance.

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University Specific Procedures

Student Conduct

All students enrolled at the University shall follow the tenets of common decency and acceptable behavior conducive to a positive learning environment. The Code of Student Conduct is described in detail in the [Student Guidebook](#).

<http://www.tamuc.edu/Admissions/oneStopShop/undergraduateAdmissions/studentGuidebook.aspx>

Students should also consult the Rules of Netiquette for more information regarding how to interact with students in an online forum: <https://www.britannica.com/topic/netiquette>

ETAMU Attendance

For more information about the attendance policy please visit the [Attendance](#) webpage and [Procedure 13.99.99.R0.01](#).

<http://www.tamuc.edu/admissions/registrar/generalInformation/attendance.aspx>

<http://www.tamuc.edu/aboutUs/policiesProceduresStandardsStatements/rulesProcedures/13students/academic/13.99.99.R0.01.pdf>

Academic Integrity

Students at East Texas A&M University are expected to maintain high standards of integrity and honesty in all of their scholastic work. For more details and the definition of academic dishonesty see the following procedures:

[Undergraduate Academic Dishonesty 13.99.99.R0.03](#)

<http://www.tamuc.edu/aboutUs/policiesProceduresStandardsStatements/rulesProcedures/13students/undergraduates/13.99.99.R0.03UndergraduateAcademicDishonesty.pdf>

[Graduate Student Academic Dishonesty 13.99.99.R0.10](#)

<http://www.tamuc.edu/aboutUs/policiesProceduresStandardsStatements/rulesProcedures/13students/graduate/13.99.99.R0.10GraduateStudentAcademicDishonesty.pdf>

Students with Disabilities-- ADA Statement

The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you have a disability requiring an accommodation, please contact:

Office of Student Disability Resources and Services

East Texas A&M University

Gee Library- Room 162

Phone (903) 886-5150 or (903) 886-5835

Fax (903) 468-8148

Email: studentdisabilityservices@tamuc.edu

Website: [Office of Student Disability Resources and Services](#)

<http://www.tamuc.edu/campusLife/campusServices/studentDisabilityResourcesAndServices/>

Nondiscrimination Notice

East Texas A&M University will comply in the classroom, and in online courses, with all federal and state laws prohibiting discrimination and related retaliation on the basis of race, color, religion, sex, national origin, disability, age, genetic information or veteran status. Further, an environment free from discrimination on the basis of sexual orientation, gender identity, or gender expression will be maintained.

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Campus Concealed Carry Statement

Texas Senate Bill - 11 (Government Code 411.2031, et al.) authorizes the carrying of a concealed handgun in East Texas A&M University buildings only by persons who have been issued and are in possession of a Texas License to Carry a Handgun. Qualified law enforcement officers or those who are otherwise authorized to carry a concealed handgun in the State of Texas are also permitted to do so. Pursuant to Penal Code (PC) 46.035 and East Texas A&M Rule 34.06.02.R1, license holders may not carry a concealed handgun in restricted locations.

For a list of locations, please refer to the [Carrying Concealed Handguns On Campus](#) document and/or consult your event organizer.

Web url:

<http://www.tamuc.edu/aboutUs/policiesProceduresStandardsStatements/rulesProcedures/34SafetyOfEmployeesAndStudents/34.06.02.R1.pdf>

Pursuant to PC 46.035, the open carrying of handguns is prohibited on all East Texas A&M campuses. Report violations to the University Police Department at 903-886-5868 or 9-1-1.

COURSE OUTLINE / CALENDAR

Week	Date	Topic
1	1/13	Syllabus, Problem Solving
2	1/20	Venn Diagrams, Bases
3	1/27	Bases, Place Value, Integers
4	2/3	Review, Exam #1
5	2/10	Multiplication, Division
6	2/17	GCF/LCM, Divisibility Rules, Fractions
7	2/24	Line Model, Area Model
8	3/3	Set Model, Fraction Model Practice
	3/10-3/14	Spring Break
9	3/17	Review, Exam #2
10	3/24	Add, Subtract, Multiply Divide Fractions, Fraction Sense,
11	3/31	Fraction Applications, Decimals
12	4/7	Ordering Decimals, Add and Subtract Decimals
13	4/14	Multiply and Divide Decimals,
14	4/21	Review, Exam #3
15	4/28	Final Exam Review
16	5/8	Final Exam 8 am – 10 am

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