



East Texas A&M University

Math 1351.01E
COURSE SYLLABUS: Spring 2025

INSTRUCTOR INFORMATION

Instructor: Debra Newton

Office Location: Binnion 319

Office Hours: Mon./Wed. 11:30AM-12:30PM, Tues./Thurs. 12:15-1:45PM or other times by appt.

Office Phone: 903-886-5954

University Email Address: Debra.Newton@tamuc.edu

Preferred Form of Communication: Email

Communication Response Time: Within 48 hours, unless over a weekend, holiday, or during school cancellation, such as bad weather days.

COURSE INFORMATION

Materials – Textbooks, Readings, Supplementary Readings

Texts and/or Materials: Students are recommended to have access to Mathematics for Elementary School Teachers (7th Edition) by Bassarear and Moss (ISBN 978-1-337-62996-6). Homework assignments will be from the textbook and supplemental resources.

Software Required: None required.

Supplies Needed: Basic calculator and a three-ring binder or folder for handouts. You may also want a ruler (metric and standard), a protractor, scissors, glue stick, stapler, and colored pencils. **Please also use ONLY pencil (no pens) on all exams.**

Technology Requirements: The graphing calculator of TI 83/TI 84 or equivalent is highly recommended. Calculators other than Texas Instruments calculators may be used but classroom instruction on calculators will be given for TI equipment only.

****Note:** Calculators that solve problems for students, including but not limited to TI-Nspire, TI 89 or higher, Casio Prizm, Casio Touch or higher are **NOT** allowed to be used for this class. **** Students are also required to clear the memory of graphing calculators before and after each exam.**

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

The syllabus/schedule are subject to change.

Course Description

This course will include content and pedagogy for teaching ratio and proportion, percent, probability, statistics, geometry, and measurement. This course will also address applications of the algebraic properties of real numbers with an emphasis on problem solving and critical thinking. Students should already have substantial skills in these areas. Problem solving is interwoven in all of these topics. The course focuses on underlying concepts and multiple techniques of explaining the concepts. ***You should already know how to do the computations for most of the material. Therefore the goal of this course is NOT to teach simple mathematical computations but to assist you in developing an understanding of mathematics. As a future teacher you must be able to explain mathematics to your students, not just teach rote manipulations of numbers and symbols. You should know and understand more mathematics than what you teach.***

Prerequisite: a “C” or better in Math 1350 (Formerly Math 350).

Course Objectives:

- Develop understanding of mathematics
- Connect ideas within and between mathematical concepts
- Develop mathematical thinking
- Review manipulation of numbers in fraction and decimal form
- Become proficient in solving problems

Student Learning Outcomes: Upon completion of this course, the successful student will be able to:

1. Demonstrate their ability to problems, particularly those involving fractions, decimals, percent, ratio, proportion, probability, statistics, geometry and measurement.
2. Demonstrate a judicious use of technology and manipulatives in the classroom.
3. Explain material to a child through the appropriate use of words, reasoning, drawings, and manipulatives.

COURSE REQUIREMENTS

Instructional Methods

Instruction will be delivered in class and on D2L through lectures, videos, demonstration and models, and some group work, based on time available. Several types of manipulatives will be demonstrated and used to solve problems. Cooperative Learning, inquiry learning and the use of technology will be incorporated to this class.

Minimal Technical Skills Needed

When written work is required, you will need the ability to scan a document and save it as a .pdf file and upload to the appropriate submission folder on D2L. There are a number of free scanner apps, like CamScanner, that can be used for this purpose.

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Attendance

Attendance: Attendance will be taken at the beginning each class. Students need to actively participate in class to receive credit. **Attendance and participation are a must to be able to do well in this class.** It is expected that students follow the guidelines set forth by the Class Attendance Policy in the current Undergraduate Catalogue.

If students represent an athletic team for this university, departmental team, scholastic team, choir, or other group and must miss class, notify me in writing with the appropriate documentation within one week of the absence in order not to be counted absent. Arrangements for make-up work will be made at that time.

For more information about the attendance policy please visit the [Attendance](https://www.tamuc.edu/admissions/registrar/generalInformation/attendance.aspx) webpage: <https://www.tamuc.edu/admissions/registrar/generalInformation/attendance.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

Daily Work

Homework: Homework will be assigned most class periods. **It is extremely important for you to work all homework problems in order to be prepared for the exams.** We will also be working on assignments from Activities books and Supplemental Assignments which will often have to be completed as homework. Selected papers will be turned in for a grade. **This semester, homework will be completed and scanned as a single .pdf file into the appropriate submission folder in D2L.** The assignment will be graded online so that a minimal amount of papers have to change hands. The total number of assignments that are completed and turned in (punctually) by the student will be reflected in the supplemental assignments grade. A grade will be taken on select problems from each assignment. **In general, late work will not be accepted.**

Quizzes: Both in-person and online D2L quizzes may be given. Since regular attendance is expected, generally **NO make-up quizzes will be given.** This class covers enough material that there is no time to be missed that is a “good time”, and each quiz will be over material to be emphasized on exams. Quizzes will average into your homework grade.

Teaching Assignments/Projects/Labs: There will be several projects assigned this semester. These projects will vary in their scope and should be completed neatly and punctually and submitted into the appropriate submission folder in D2L.

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Assessments

Exams: There are three scheduled exams and a comprehensive final. **Students will take exams in class with their instructor. Dates of exams are listed on the last page of this syllabus.**

The exams will consist of a variety of problems and short answer questions. However, students should expect the bulk of the questions on each test to be problem solving. Partial credit may be given on exams IF all work is neatly shown so that I can easily determine the student's mistakes. When pictures are drawn, students should be careful that figures are clearly marked and easily understood. Explanations should be explicit and understandable to the audience given. Items should NOT need interpretation if full credit is to be given. A practice exam/review and answer key will be provided prior the exam.

While taking exams, **CELL PHONES AND OTHER ELECTRONIC DEVICES MUST BE TURNED OFF AND STORED OUT OF THE STUDENT'S REACH.** The only electronic device allowed during tests and quizzes is a stand-alone calculator (such as a TI-34, TI-83, TI-84, etc.), and only with the instructor's permission. All exams must be completed in pencil.

No make-up exams will be given without prior notice of a university excused absence*. We realize that at times throughout the semester, emergency situations may arise that affect a student's performance on an exam or even prevent a student from attending on an exam day. **I can replace the lowest exam grade with the student's grade on the corresponding portion of the final exam, provided the final exam score is higher.** This provision will only be applied to **ONE** exam, so students should make every effort to be present and well-prepared for all exams.

**A Review and answer key will be available prior to each exam.
Be sure to take advantage of this valuable resource!!**

See class schedule on the last page for testing dates. These dates are tentative and are subject to change.

*University Authorize 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.)

Minimum Competency Requirement: There is not a "competency exam" for this course like there is for other courses. Instead, due to the important role fractions and decimals play in a child's mathematical career, this course includes a minimum competency requirement over the material on the first exam. All students in this course **must achieve a grade of 75 or higher on the first exam in order to receive a grade of "C" or higher in the course.** If the mastery level of 75% is not achieved on this exam, a retest will be administered outside of class. If the 75% competency is still not achieved, I will look at the section on the final exam, which covers fractions and decimals. If the student achieves 75% mastery on the section of the final exam that covers the first exam, the student will be considered to have mastered the material. However, each student should think carefully about the pressure that will be added by depending on the final exam.

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Final Exam: The mandatory comprehensive final will be given on Tuesday, May 6th, from 10:30AM-12:30PM.

Grading Policy:

<u>Section:</u>	<u>Total:</u>
Daily Work/Projects/Teaching Assignments	25%
Tests (3 exams)	50%
Comprehensive Final	25%

Each student's average for the course will be posted in your MyLeo account. To access the course, you will go into MyLeo and the "Apps" and look for the app for "MyLeo Online (D2L Brightspace)". You should see directions to choose your course from the course grid that looks like:



Once you have chosen the correct course, you will be able to see your "grades" option.

TECHNOLOGY REQUIREMENTS

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

Access to a computer, the internet, **MyLeo, D2L,** will be needed for submitting homework online.

A computer or tablet with stable internet access is essential for the success of students.

A scanner or a cell phone with a free scan app (CamScanner or Adobe Scan is recommended) that allows you to scan worked out steps to a single .pdf file is required.

Access to a printer will be helpful if you have to miss class and would like to print out class handouts or a review.

The **TI 83/TI 84 graphing calculator** or equivalent is highly recommended. Calculators other than Texas Instruments calculators may be used but classroom instruction on calculators will be given for TI equipment only. ****Note:** Calculators that solve problems for students, including but not limited to TI-Nspire, TI 89 or higher, Casio Prizm, Casio Touch or higher are **NOT** allowed to be used for this class. **** Students are also required to clear the memory of graphing calculators before and after each exam.**

LMS

All course sections offered by Texas A&M University-Commerce 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>

The syllabus/schedule are subject to change.

LMS Browser Support:

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

ACCESS AND NAVIGATION

You will need your campus-wide ID (CWID) and password to log into the course. 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, office service companies, Starbucks, a TAMUC campus open computer lab, etc.

COMMUNICATION AND SUPPORT

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 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

Getting Help Outside of Office Hours: The Math Skills Center, located in Binnion 328, is open Monday and Wednesday, 10am – 8pm; Tuesday and Thursday, 10am – 6pm; Friday, 10am – 2pm. While the department does its best to place quality tutors in the lab, please understand that not all tutors are trained in techniques used in the Elementary Education Math courses. For information on which tutors would be best to help, and when they are working, feel free to see me or the bulletin board outside the lab.

Comments: I will do my best to make a quality presentation each day and, in return, I expect that you will do your best to learn the material presented in class and in the text. This course will be taught as hands-on as possible, and student participation is necessary daily. It is important that you be actively engaged in any activities. Questions are welcome in the classroom, and I will gladly schedule outside help sessions if

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necessary. I know that together, these efforts can contribute significantly to your education in this class.

Classroom Behavior: Appropriate classroom behavior is required to attend this class. All cell phones and electronic devices must be put on silent or turned off during class. NOTE: THIS INCLUDES BLUETOOTH AND OTHER DEVICES THAT ARE PLACED IN THE EAR. Phones and electronics are distractions for instructor and the other students in the class. All people will be treated with respect and talking that disrupt the class is not allowed. If disruptions occur during class time, a student will be asked to leave class and will earn a zero on any applicable grades for that class period. Serial disrupters will be asked to withdraw from this class.

I will be taking roll every day. All students are expected to be present daily. If you miss a class, email me ahead of time or come see me AFTER the next class for any missed assignments or see D2L.

Students who are absent more than 6 times, for whatever reason, are subject to the instructor dropping them from the course. Four absences in this course constitutes missing 1/5 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 four absences in the course. I will NOT automatically drop you from the course. Therefore, if you intend to drop the course, you will need to follow the drop procedures of the school. If I intend to drop you from the course, you will receive an email from me at the address you have given me on my student information sheet.

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.

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](https://www.tamuc.edu/Admissions/oneStopShop/undergraduateAdmissions/studentGuidebook.aspx).
<https://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>

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Academic Integrity

Academic Integrity: In order to ensure fairness and high academic standards, any actions which violate the principles of academic integrity through dishonesty or cheating are given serious consideration. In order to understand what constitutes a violation of academic integrity and the consequences of such behavior, the university's policies may be reviewed at:

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

In particular, awareness of the following definitions is essential in order to know what represents academic dishonesty (pages 6 – 7):

“Cheating: Intentionally using or attempting to use unauthorized materials, information, notes, study aids or other devices or materials in any academic exercise. Unauthorized materials may include anything or anyone that gives a student assistance and has not been specifically approved in advance by the instructor.”

“Complicity: Intentionally or knowingly helping, or an attempting to help, another to commit an act of academic dishonesty.”

“Plagiarism: The appropriation of another person's ideas, processes, results, or words without giving appropriate credit.”

Furthermore, cheating in this course is defined as the following:

- Giving or receiving answers during an exam or quiz.
- Viewing the exam or quiz answers of nearby classmates.
- Having notes/practice work available during quizzes or tests.
- Possession or access to test items before the test is given.
- Deception in getting an excused absence to obtain the undeserved opportunity to make-up work.
- Use of cell phones or text messaging technology during exams or quizzes **(such as iPods, Apple Watch, etc.). IF ONE OF THESE DEVICES IS AVAILABLE, IN ANY WAY, DURING AN EXAM OR QUIZ, THE STUDENT WILL NOT BE ALLOWED TO PROCEED WITH THE EXAM OR QUIZ AND MAY BE SUBJECT TO PENALTIES ON THEIR GRADE.**
- Improper citations in written works or using another person's ideas and words as students own without giving proper credit.
- **Any** method, no matter how well rationalized or accepted, which improves a person's grade by any means other than study and skillful performances on exams and/or other assignments.

While majority of students are honest in doing their schoolwork, due to recent cheating events, action must be taken to protect the academic integrity of classrooms. **There is a NO TOLERANCE policy for cheating, and if a student is caught cheating, the event is subject to reporting and placement on the student's academic record. No grade will be received for any assignments in which cheating occur.**

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In summary, students found guilty of an act of academic dishonesty in this course will be subject to the disciplinary actions listed in the university policies. This includes several possible penalties depending on the severity and number of the incidents, which will be taken into account when specifying disciplinary actions.

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: <https://www.tamuc.edu/student-disability-services/>

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.

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:

<https://inside.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.

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Counseling Services

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

1351 TR Tentative Schedule (Spring 2025) For Students

Week	Dates	Topics
1	Jan. 13 – 17	Introduction to Fractions/Fraction Sense, Fraction Picture Models
2	Jan. 20 – 24	Fraction Operation Review & Fraction Word Problems
3	Jan. 27 – 31	Introduction to Decimals & Decimal Operation Review
4	Feb. 3 – 7	Terminating and Non-Terminating Decimals & Decimal/Fraction Relationships
5	Feb. 10 – 14	Review for Exam 1 & Exam 1
6	Feb. 17 – 21	Ratios, Proportions & Introduction to Percentages
7	Feb. 24 – 28	Applications with Percent & Data Representation
8	Mar. 3 – 7	Probability and Applications
	Mar. 10 – 14	SPRING BREAK
9	Mar. 17 – 21	Review for Exam 2, Exam 2
10	Mar. 24 – 28	Statistics Basics, Box-and-Whiskers Plots & Stem-and-Leaf Plots
11	Mar. 31 – Apr. 4	Box-and-Whiskers Plots continued, Transformations & Symmetry
12	Apr. 7 – 11	Geometry Intro & Angles,
13	Apr. 14 – 18	Pythagorean Theorem, Area of Polygons & Compound Area
14	Apr. 21 – 25	Review for Exam 3 Exam 3
15	Apr. 28 – May 2	Review for Final Exam
16	May 5 – 9	REQUIRED FINAL EXAM: Tuesday, May 6 from 10:30am – 12:30pm (NOTE SPECIAL TIME!!)

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.

***** By Remaining Enrolled In This Course, All Students Agree To Abide By The Policies Of This Class, As Stated In The Syllabus *****

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