



Syllabus: Foundations of Mathematical Reasoning

Course Number: MATH 0023

Instructor Information

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Course Description- This course is an eight-week course for **Non- STEM** students. This course is non-transferable and does not count toward a degree at Texarkana College. Prerequisite: Satisfactory placement scores.

Textbook and Supplies

- MyLabMath w/eText “*Pathways to College Mathematics 2e*” by Blitzer-18 week access code (may be purchased in the TC bookstore or online through the Pearson website)
- Recommended 2 inch 3-ring binder for this class only
- Required Texas Instruments TI-30XS Multi-View Scientific Calculator (cell phones may not be used as a calculator)
- Writing material-pencils, eraser, highlighters, etc.
- Working Texarkana College email account
- Basic computer skills to access online resources and information

Student Learning Outcomes for the Course

1. Students will perform conversions among decimals, fractions, and percents and interpret information from circle graphs involving percents.
2. Students will perform operations with decimals and fractions.
3. Students will understand sets, basic Venn Diagrams, and basic set operations.
4. Students will evaluate algebraic expressions and use linear equations in one variable to solve problems.
5. Students will calculate simple and compound interest problems.
6. Students will use proportional reasoning to solve problems using ratios, rates and proportions.
7. Students will determine perimeter, area, and volume and use dimensional analysis to change units of measurement.
8. Students will be introduced to the fundamentals of probability, sampling, frequency distributions, graphs and measures of central tendency.

Evaluation Method

The grade for this course will be based on:

1. **Homework** – Homework assignments will be completed online through MyLabMath. The best browsers to use are **Chrome and Firefox**.

Students must log in often and with a timely process to access and complete homework assignments. You will have **unlimited** attempts per question to complete each assignment before each due date. After 3 attempts, select “similar exercise” for a new question. You may continue this as long as you would like until the due date, or the desired grade is achieved.

- a. **No late work accepted on assignments. Sign in to MyLabMath (MLM) or refer to the schedule for assignment due dates.**
- b. Notebook – Work completed inside and outside of class should be kept in your binder.

2. Participation/Discussion - Students are expected to participate in class by being prepared for class, engaging in group activities, joining class discussions, and explaining their work to others. If you miss class, it is your responsibility to complete any assignments due.
3. **Exams** - Students **MUST** take the exam during the time period given by the instructor.
There will be a total of 4 unit exams:
 - Exam 1: Sections P.2 – P.6, P.7
 - Exam 2: Sections 1.1 – 1.5, 1.7
 - Exam 3: Sections 2.1 – 2.4, Simple Interest, Compound Interest
 - Exam 4: Sections 5.1, 5.2, 6.3, 6.4, 7.4, 8.1 – 8.3
4. **Final Exam** – The final will be a comprehensive exam. A comprehensive final exam is mandatory for all students.

Student Requirements for Completion of the Course and Due Dates

Homework assignments are to be completed using MyLabMath (MLM). In order to earn credit, homework assignments should be completed by 11:59 p.m. on the next class day (see class assignment schedule). You will not receive any credit for assignments completed after the due date. **You, the student, are** responsible for all assignments regardless of whether you are present at the time of assignment. **Any missed assignment will be recorded as a zero.** At the end of the semester your **5 lowest homework grades** will be dropped and will not count towards your homework average. Even though the homework is online, you should still work your problems on paper.

Student Assessment

You have opportunity to earn points in the following 3 areas. Your final grade will be determined by the corresponding percentages.

- (1) Homework 20% (5 lowest scores dropped)
- (2) Major Tests 50%
- (3) Final Exam 30%

Final Grade = $0.2 \times \text{homework average} + 0.5 \times \text{chapter test average} + 0.3 \times \text{final exam}$

Grading Scale

Assignment of a letter grade will be made according to the following scale.

A	90-100	B	80-89	C	70-79	D	60-69	F	59-below
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NOTE: There is NO provision for earning extra credit in this course. You **MUST** receive a grade of A, B, or C in order to proceed to the next college level math class (MATH 1332 is the recommended college level math course). You will be TSI met if you receive a grade of A, B, or C.

Computer Requirement Policy

Students are required to have a computer with Internet access for classes. The computer must be an actual computer – smart phones, iPads, Androids, etc., will not be acceptable substitutes because they lack software compatibility necessary to complete all assignments and tests. Financial costs for the necessary equipment and internet access are the responsibility of the student.

Students needing to purchase a computer may do so through the Texarkana College Bookstore. Systems purchased through the bookstore meet or exceed all requirements, are competitively priced, and may be purchased using financial aid funds. If the system is purchased through another source, it is the student's responsibility to ensure the system meets all requirements.

Computer systems requirements:

- Webcam, microphone, and speakers or headphones
- Windows 10 or a recent version of Mac OS (minimum Sierra). Windows 10 S mode is not supported
- Hardware capable of running Microsoft Teams (free download) and supports multi-media playback
- Support for Chrome or Microsoft Edge – Note: Firefox, Safari, or other browsers may not work on all TC applications
- Able to run Microsoft Office which will be provided free to TC students
- Adobe Reader or another PDF viewer
- Antivirus software such as Windows Defender or another 3rd party anti-virus solution
- The Respondus Lockdown browser may be used for taking tests; therefore, the system must be capable of running this software. Most newer systems that meet other specifications should work.

Students should regularly backup content to prevent loss of coursework due to hardware failure. Backup copies of documents and other coursework may be placed on OneDrive cloud storage. OneDrive is included free of charge for all TC students. A list of Internet service providers can be found on the TC website at: <https://www.texarkanacollege.edu/coronavirus/>.

Absentee Policy (<https://www.texarkanacollege.edu/courses/>)

Texarkana College's absentee policy allows instructors to withdraw a student from a course due to excessive absences. **In an 8-week term, this means that instructors may drop students for attendance if student absences exceed more than one week of class meetings and/or online assignments.** If a student leaves and returns during class or leaves the class before the class is over, he/she **may** be considered absent or tardy. **Three tardies constitute one absence.**

Faculty members **are not** obligated to provide opportunities for students to make-up missed assignments and tests because of a student's absence from class. Regular attendance enhances academic success. As such, students are expected to attend class.

A student should not stop attending a class without formally withdrawing from the course by the institutions published Last Day for Students to Drop. If a student stops attending class after the published Last Day for Students to Drop, the student **may** receive a grade of "F" in the class. The instructor will submit the last date of attendance for students receiving a grade of "F" or "W".

Withdrawal from a course(s) **may** affect a student's current or future financial aid eligibility. Students should consult the Financial Aid Office to learn both short and long term consequences of a withdrawal.

Maximum Allowable Absences

The maximum allowable absences refers to the maximum number of unexcused absences a student is allowed before a student may be dropped from the course. After official registration for a three hour academic class, the instructor may withdraw a student from the course if they exceed 4 absences. This means you may be dropped from the course for having **5 recorded absences**.

Excused Absences

A student's absence due to school trips and/or school business will not be counted against a student's allowable number of absences. Military duty and absences for Holy Days (FBD LEGAL) are covered in a separate section of the catalog and the student handbook. These are the only excused absences that are considered by Texarkana College. Responsibility for work missed for any absence is placed on the student. Instructors are required to allow students to make up work missed if the absence is due to military duty or religious holy days when students follow the correct notification procedures. Instructors are not required to allow students to make up work for absences due to other reasons.

Make-up Policy

Any missed test will be recorded as a zero. Any student missing 2 major tests will be dropped from the course. **If your final exam grade is higher than one of your unit test grades, the final exam grade will replace the lower test score. Your lab grade cannot be replaced by your final exam.** This means if you do miss a unit test, the 0 will be replaced with the score from your final exam. Students may have the homework due date extended for excused absences (See excused absences above). You will not receive credit for homework assignments after the due date has passed. At the end of the semester your **5** lowest homework grades will be dropped and will not count towards your homework average.

Class Behavior

There will be a zero tolerance policy for any behavior that is a disruption to classroom learning. This includes ANY use of vulgar language or rude behavior toward instructor or any other student in the class. This also includes disruptive cell phone usage during our virtual class time! Please be considerate of others who are trying to learn.

A student may be dropped from the course for any of the following reasons:

1. Missing 5 classes
 2. Missing 2 major tests
 3. Any breach of classroom conduct (see student handbook)
- *Being dropped from the course could affect your financial aid.

Math Lab: The Math Lab is located on the 2nd floor of Academic Commons and is a great place to complete homework. There are computers available as well as free Math tutors.

Math Lab hours of operation for this semester are: Mon – Thurs 8:00 am – 7:00 pm Fri 8:00 am – 4:00 pm

Course Correspondence

Any course correspondence will be through TC student email. It is the student's responsibility to check his/ her TC email regularly for any communication related to the course.

Academic Integrity Statement

Scholastic dishonesty, involving but not limited to cheating on a test, plagiarism, collusion, or falsification of records will make the student liable for disciplinary action after being investigated by the Dean of Students. Proven violations of this nature will result in the student being dropped from the class with an "F". This policy applies campus wide, including TC Testing Center, as well as off-campus classroom or lab sites, including dual credit campuses. This information can be found in the Student Handbook at <https://texarkanacollege.edu>.

Disability Act Statement

Texarkana College complies with all provisions of the Americans with Disabilities Act and makes reasonable accommodations upon request. Please contact Tonja Blasé' at 903.823.3349, or go by the Recruitment, Advisement, and Retention Department located in the Administration building for personal assistance. If you have an accommodation letter from their office indicating that you have a disability which requires academic accommodations, please present it to me so we can discuss the accommodations that you might need for this class. It is best to request these changes at the beginning if not before the start of class so there is ample time to make the accommodations.

Financial Aid

Attention! Dropping this class may affect your funding in a negative way! You could owe money to the college and/or federal government. Please check with the Financial Aid office before making a decision.

Basic Needs Security Statement

Any student who has difficulty affording groceries or accessing enough food to eat every day, or who lacks a safe and stable place to live and believes this may affect their performance in this course or ability to remain in school, is urged to contact Tonja Blasé, Director of Student Retention, at 903.823.3349 for support. Furthermore, please notify the professor if you are comfortable in doing so.

Alternate Operations during Campus Closure

In the event of an emergency or announced campus closure due to a natural disaster or pandemic, Texarkana College may need to move to altered operations and course delivery methods. During this time, Texarkana College may opt to continue delivery of instruction through methods that include, but are not limited to: online learning management system (Jenzabar or Moodle), online conferencing through TEAMS, email messaging, and/or an alternate schedule. It is the responsibility of the student to monitor Texarkana College's website (www.texarkanacollege.edu) for instructions about continuing courses remotely, instructor email notifications on the method of delivery and course-specific communication, and Texarkana College email notifications for important general information.

The instructor reserves the right to amend the syllabus as needed.