

Texas A&M University-Texarkana



Spring 2021

**MATH 0302 Intermediate
Algebra Course Syllabus**

Instructor:	Garrett Mason
Office:	N/A
Office Phone:	N/A
Meeting Time:	M W: 4:30 pm – 5:45 pm
Classroom:	SCIT 101
Office Hours:	TBA
E-mail Address:	gmason@tamut.edu
Course Number:	MATH 0302.001
Course Title:	Intermediate Algebra
Semester Credit Hours:	3 SCH
Prerequisite/Corequisites:	Students must satisfy the math portion of TSI (Texas Success Initiative) or enroll in MATH 0302 and a College Level Math course in the same semester.

Delivery Method: This will be an face-to-face course with the following key elements:

- Student-centered instruction
- Student engagement, input, and feedback
- Collaborative learning teams/peer partner activities
- Q&A's for homework problems and concept clarification
- Problem-solving strategies
- Appropriate computer software will be utilized.
- Graphing calculator is recommended to do homework and classwork.

Required Materials: MyMathLab Access Code (this will provide you access to the assignments and the e-book). Students must have access to a computer with an internet connection for course work. Graphing calculator is recommended to do homework and classwork. (calculators are available for student check out in the University Library on a first come first served basis.) MyMathLab **Course ID:** TBA

Optional: Hard copy text: College Algebra; Blitzer 7th Edition; Pearson; (This cannot be used to replace the online resource, only as a supplement.

Catalog Course Description

This course provides a study of the concepts and applications of rational expressions and equations, linear equations and inequalities, radicals, quadratic equations, and graphs. This course is intended for students who place below the minimum score on an entrance assessment test in mathematics. Appropriate computer software and hand held technologies will be utilized. Students must complete the course with a C or better to receive credit. Placement will be determined by TSI readiness indicators.

Student Learner Outcomes

The Texas Higher Education Coordinating Board adopted Exemplary Educational Objectives (EEOs) to establish a common knowledge thread through the courses taught within the Texas Core Curriculum. The Mathematics EEOs are integrated into the Student Learning Outcomes below:

- To apply arithmetic, algebraic, geometric, higher-order thinking, and statistical methods to modeling and solving real-world situations.
- To represent and evaluate basic mathematical information verbally, numerically, graphically, and symbolically.
- To expand mathematical reasoning skills and formal logic to develop convincing mathematical arguments.
- To use appropriate technology to enhance mathematical thinking and understanding and to solve mathematical problems and judge the reasonableness of the results.
- To interpret mathematical models such as formulas, graphs, tables and schematics, and draw inferences from them.
- To recognize the limitations of mathematical and statistical models.
- To develop the view that mathematics is an evolving discipline, interrelated with human culture, and understand its connections to other disciplines.

Upon successful completion of this course, students will be able to demonstrate:

- To understand properties of the real number system and Cartesian coordinate system.
- To have a basic understanding of polynomial functions and perform different mathematics operations.
- To solve inequalities; linear, quadratic, and polynomial equations.
- To simplify radical, rational, exponential, and logarithmic expressions.
- To graph linear, quadratic, polynomial, radical, rational, exponential, and logarithmic functions.
- To solve system of linear equations.
- To synthesize information from a variety of sources to solve problems and interpret results.

Course Outline

The following topics will be covered in the given sequence over the span of the course. The sequence of material may be altered in the interest of time and to maximize student success while preparing them for their plan of study.

- Real numbers
- Fractions
- Complex numbers
- Radicals

- Absolute Values
- Solving linear and quadratic equations; factoring
- Graphs
- Functions

Week	Dates	Sections	Due
1	1/19 – 1/22	1.1 – 1.2	1/22
2	1/25 – 1/29	1.3 – 1.6	1/29
3	2/1 – 2/5	1.7 & 2.1 Test #1 Review	2/5
4	2/8 – 2/12	Test #1 (9/14) 2.2 – 2.3	2/12
5	2/15 – 2/19	2.4 – 2.5	2/19
6	2/22 – 2/26	2.6 – 2.8	2/26
7	3/1 – 3/5	3.1 – 3.3	3/5
8	3/8 – 3/12	3.4 – 3.6 Test #2 Review	3/12
9	3/15 – 3/19	Test #2 (10/19) 4.1 – 4.2	3/19
10	3/22 – 3/26	4.3 – 4.4	3/26
11	3/29 – 4/2	5.1 – 5.2 Test #3 Review	4/2
12	4/5 – 4/9	Test #3 (11/9) 6.1 – 6.2	4/9
13	4/12 – 4/16	Final Review	4/16
14	4/19 – 4/23	Final Review	4/23
15	4/26 – 4/28	Final (4/28)	4/28

Class Participation

Students are responsible for beginning their participation on the FIRST CLASS DAY by logging on and completing assignments according to the syllabus and online schedule found on MyMathLab. Failure to submit online assignments between the first day of classes and the “university census date” (according to the university schedule) will result in an ADMINISTRATIVE DROP from the course.

All students must check email, blackboard, and MyMathLab regularly (daily) for important announcements.

Course Format

Students will use the MyMathLab online software to access course related materials including video lectures, electronic copy of the text book, and homework assignments. Students must purchase a student access kit in order to register with the website.

After all the homework for a unit is complete, students will take an exam over the unit. Exams will cover homework and information from the chapters. A comprehensive final exam will also be given.

Deadlines for assignments are posted on the MyMathLab website and Blackboard, and it will be the responsibility of the student to maintain a work pace sufficient to complete everything by its due date. All assignments must be completed by the due date. Deadlines for assignments will not be extended. Any assignment not submitted by the due date will receive a grade of zero.

Grading Policies

Chapter Tests: There will be three chapter tests. Any test not taken on the designated test day will receive a grade of zero.

Assignments: Homework assignments will be assigned on MyMathLab. Homework is an important learning tool and should be completed in a timely manner! Any online assignment not submitted will receive a grade of zero. Please keep up with all deadlines for assignments by using the calendar at the top of your MML screen.

Final Exam: There will be a comprehensive final examination. **There will be no make up for the final examination. I will replace your lowest test score with your final exam grade if it improves your final average.**

Final Grade: The final grade for the course will be based on a weighted average of a student's chapter exam average, homework average, and the final exam score. These averages will be weighted according to the following percentages:

Chapter Tests – 60%

Homework – 20%

Final Exam – 20%

The Letter grade will be assigned according to the following scale:

<u>Average</u>	<u>Grade</u>
90 - 100	A
80 – 89	B
70 – 79	C
60 – 69	D
0 – 59	F

Disclaimer: The above procedures are subject to change at the discretion of the instructor.

Disability Accommodations

Students with disabilities may request reasonable accommodations through the A&M-Texarkana Disability Services Office by calling 903-223-3062

Academic Integrity

Academic honesty is expected of students enrolled in this course. Cheating on examinations, unauthorized collaboration, falsification of research data, plagiarism, and undocumented use of materials from any source constitute academic dishonesty and may be grounds for a grade of 'F' in the course and/or disciplinary actions. For additional information, see the university catalog.

Statement on Email Usage

Upon application to Texas A&M University-Texarkana an individual will be assigned a Texas A&M-Texarkana email account. This email account will be used to deliver official university correspondence. Each individual is responsible for information sent and received via the university email account and is expected to check the official A&M-Texarkana email account on a frequent and consistent basis. Faculty and students are required to utilize the university email account when communicating about coursework.

Drop Policy

To drop this course after the census date, a student must complete the Drop/Withdrawal Request Form, located on the University website or obtained in the Registrar's Office. The student must submit the signed and completed form to the instructor of each course indicated on the form to be dropped for his/her signature. The signature is not an "approval" to drop, but rather confirmation that the student has discussed the drop/withdrawal with the faculty member. The form must be submitted to the Registrar's office for processing in person, email Registrar@tamut.edu, mail (7101 University Ave., Texarkana, TX 75503) or fax (903-223-3140). Drop/withdraw forms missing any of the required information will not be accepted by the Registrar's Office for processing. It is the student's responsibility to ensure that the form is completed properly before

submission. If a student stops participating in class (attending and submitting assignments) but does not complete and submit the drop/withdrawal form, a final grade based on work completed as outlined in the syllabus will be assigned.

Student Technical Assistance

For technical support, please fill out an **IT Service Desk support ticket**.

If you cannot log in, you can email isite@tamut.edu or call the IT Helpdesk at 903-334- 6603.

Blackboard Helpdesk office hours: Monday - Friday, 8:00a.m. – 5:00p.m.

Additional Notes

The instructor reserves the right to modify this syllabus at any time as deemed necessary. Any modifications will be announced as soon as possible. The faculty of the College of Business, Engineering, and Technology is committed to the continuous improvement in the quality of instruction. Student input is important and will be obtained at the end of the

