MATH1314: Texan 2 Step College Algebra 2025 – 2026

Instructor: Amanda Nichols

Class Time: MTWTF 11:54 – 12:45

Topics: The class topics consists of some Beginning Algebra (Algebra 1), Intermediate Algebra (Algebra 2), and College Algebra topics.

Student Support: The course is designed to fill in the learning gaps while teaching College Algebra.

Schedule: The schedule is designed to have College Algebra material in each unit during the Fall and Spring semesters.

Important Dates: April 30, 2026: Last Day to Drop, May 11, 2026: Final Grades Due to SPC by 10:00 am

Grades:

- The grade for this course will be derived from grades from the FALL 2025 semester and the SPRING 2026 semester.
- Students will only receive a course grade from SPC for the SPRING 2026 semester.
- Grades from unit exams and final exam from the FALL 2025 semester will carry over into the SPRING 2026 semester.

FALL 2025:

- Homework Grades
  - Homework will be due each Monday at 11:00 pm via Google Classroom.
  - Homework grades will not be used for calculating the course grade at SPC.
  - Homework grades will be used as daily grades in the high school gradebook.
- Weekly Quizzes
  - Weekly quiz grades will not be used for calculating the course grade in the FALL semester at SPC.
  - Weekly quiz grades will be used at test grades in the high school gradebook.
- Fall Unit Exams 20%
  - Fall Unit Exams will be used to calculate the course grade at SPC.
  - Fall Unit Exams will be used as test grades in the high school gradebook (x2).
- Fall Final Exam 10%
  - Fall Final Exam will be used to calculate the course grade at SPC.
  - Fall Final Exam will be used as the high school semester test, if needed.

SPRING 2026:

- Homework Grades
    - Homework will be due each Monday at 11:00 pm via Google Classroom.
    - Homework grades will not be used for calculating the course grade at SPC.
- Weekly Quizzes 10%
    - Weekly quiz grades will be used for calculating the course grade at SPC.
- Spring Unit Exams 40%
    - Spring Unit Exams will be used to calculate the course grade at SPC.
- Spring Final Exam 20%
    - Spring Final Exam will be used to calculate the course grade at SPC.

	Topics	Assignment Number
No Calculator	Course Intro and Expectations	
No Calculator	Operations with Integers	1.1
No Calculator	Intro to Fractions; Multiplying and Dividing Fractions	1.2
No Calculator	Adding and Subtracting Fractions; Mixed Numbers	1.3
No Calculator	Quiz Covering Sections 1.1, 1.2, 1.3	Week 1 Quiz
No Calculator	Exponents and Order of Operations	1.4
No Calculator	Evaluating Absolute Value; Mixed Practice	1.5
No Calculator	Evaluating Expressions	1.6
No Calculator	Solving One-Step and Two-Step Linear Equations	1.7
No Calculator	Quiz Covering Sections 1.4, 1.5, 1.6, 1.7	Week 2 Quiz
No Calculator	Solving Multi-Step Linear Equations	1.8
No Calculator	Solving Formulas; Solving Abs Value Equations	1.9
No Calculator	Solving Linear Inequalities	1.10
No Calculator	Solving Compound Inequalities	1.11
No Calculator	Quiz Covering Sections 1.8, 1.9, 1.10.1.11	Week 3 Quiz
No Calculator	Solving Absolute Value Inequalities	1.12
No Calculator	Unit 1 Review	U1 Review
No Calculator	**Unit 1 Exam**	**U1 Exam**
Non-Graphing	Rules of Exponents	2.1
Non-Graphing	More with Rules of Exponents	2.2
Non-Graphing	Intro to Polynomials; Add, Subtract, Multiply Polynomials	2.3
Non-Graphing	Intro to Factoring (GCF, Factor by Grouping)	2.4
Non-Graphing	Quiz Covering Sections 2.1, 2.2, 2.3, 2.4	Week 5 Quiz
Non-Graphing	Factoring Trinomials	2.5
Non-Graphing	Factoring (Diff of Squares, Sum and Diff of Cubes)	2.6
Non-Graphing	Factoring (Everything)	2.7
Non-Graphing	Solving Polynomials with Factoring	2.8
Non-Graphing	Quiz Covering Sections 2.5, 2.6, 2.7, 2.8	Week 6 Quiz
Non-Graphing	Simplifying Rational Expressions; Multiplying and Dividing	2.9
Non-Graphing	Add and Subtract Rational Expressions	2.10

Non-Graphing	More with Operations with Rational Expressions	2.11
Non-Graphing	Complex Fractions	2.12
Non-Graphing	Quiz Covering Sections 2.9, 2.10, 2.11, 2.12	Week 7 Quiz
Non-Graphing	Solving Rational Equations	2.13
Non-Graphing	Unit 2 Review	U2 Review
Non-Graphing	**Unit 2 Exam**	**U2 Exam**
Non-Graphing	Radicals and Rational Exponents (numbers only)	3.1
Non-Graphing	Radicals and Rational Exponents (including variables)	3.2
Non-Graphing	Adding and Subtracting Radicals	3.3
Non-Graphing	Properties of Radicals and Multiplying Radicals	3.4
Non-Graphing	Quiz Covering Sections 3.1, 3.2, 3.3, 3.4	Week 9 Quiz
Non-Graphing	Dividing Radicals by Rationalizing Denominators	3.5
Non-Graphing	Complex Numbers; Add and Subtract Complex Numbers	3.6
Non-Graphing	Multiplying Complex Numbers	3.7
Non-Graphing	Dividing/Rationalizing Complex Numbers	3.8
Non-Graphing	Quiz Covering Sections 3.5, 3.6, 3.7, 3.8	Week 10 Quiz
Non-Graphing	Solving Equations with Radicals and Rational Exponents	3.9
Non-Graphing	Solving Equations with Multiple Radicals	3.10
Non-Graphing	Quiz Covering Sections 3.9, 3.10	Week 11 Quiz
Non-Graphing	Unit 3 Review	U3 Review
Non-Graphing	Unit 3 Review	U3 Review
Non-Graphing	**Unit 3 Exam**	**U3 Exam**
Non-Graphing	Relations and Functions	4.1
Non-Graphing	Finding Information from Graphs	4.2
Non-Graphing	Functional Notation	4.3
Non-Graphing	Operations with Functions	4.4
Non-Graphing	Inverse Functions	4.5
Non-Graphing	Quiz Covering Sections 4.1, 4.2, 4.3, 4.4, 4.5	Week 13 Quiz
Non-Graphing	Intro to Lines and Slope	4.6
Non-Graphing	Graphing Linear Equations	4.7
Non-Graphing	Equations of Lines; Parallel and Perpendicular Lines	4.8
Non-Graphing	Linear Inequalities in Two Variables	4.9
Non-Graphing	Unit 4 Review	U4 Review
Non-Graphing	Unit 4 Review	U4 Review
Non-Graphing	**Unit 4 Exam**	**U4 Exam**
Non-Graphing	Final Review	Final Review
Non-Graphing	Final Review	Final Review
Non-Graphing	**Final Exam**	**Final Exam**

**Note: This schedule is tentative and may be altered as deemed necessary by the instructor.

	Topics	Assignment Number
Non-Graphing	Solving Quadratics by Factoring	5.1
Non-Graphing	Solving Quadratics by Square Root Method	5.2
Non-Graphing	Solving Quadratics by Completing the Square	5.3
Non-Graphing	**Quiz Covering Sections 5.1, 5.2, 5.3**	**Week 1 Quiz**
Non-Graphing	Solving Quadratics by Quadratic Formula	5.4
Non-Graphing	Mixed Solving for Quadratics	5.5
Non-Graphing	Solving Quadratic-Like Equations	5.6
Non-Graphing	**Quiz Covering Sections 5.4, 5.5, 5.6**	**Week 2 Quiz**
Non-Graphing	Graphing Quadratics in Vertex Form	5.7
Non-Graphing	Graphing Quadratics in Standard Form (Completing the Square)	5.8
Non-Graphing	Graphing Quadratics in Standard Form (Using the Formula)	5.9
Non-Graphing	Distance and Midpoint	5.10
Non-Graphing	**Quiz Covering Sections 5.7, 5.8, 5.9, 5.10**	**Week 3 Quiz**
Non-Graphing	Circles	5.11
Non-Graphing	Unit 5 Review	U5 Review
Non-Graphing	**Unit 5 Exam**	**U5 Exam**
Non-Graphing	Long Division of Polynomials	6.1
Non-Graphing	Synthetic Division of Polynomials	6.2
Non-Graphing	Roots of Polynomials	6.3
Non-Graphing	**Quiz Covering Sections 6.1, 6.2, 6.3**	**Week 4 Quiz**
Non-Graphing	Finding Roots with Rational Zero Theorem Part I	6.4
Non-Graphing	Finding Roots with Rational Zero Theorem Part II	6.5
Non-Graphing	Graphing Polynomials in Factored Form	6.6
Non-Graphing	**Quiz Covering Sections 6.4, 6.5, 6.6**	**Week 5 Quiz**
Non-Graphing	Graphing Polynomials in Standard Form Part I	6.7
Non-Graphing	Graphing Polynomials in Standard Form Part II	6.8
Non-Graphing	Graphing Rational Functions Part I	6.9
Non-Graphing	**Quiz Covering Sections 6.7, 6.8, 6.9**	**Week 6 Quiz**
Non-Graphing	Graphing Rational Functions Part II	6.10
Non-Graphing	Solving Polynomial Inequalities	6.11
Non-Graphing	Solving Rational Inequalities	6.12
Non-Graphing	**Quiz Covering Sections 6.10, 6.11, 6.12**	**Week 7 Quiz**
Non-Graphing	Unit 6 Review	U6 Review
Non-Graphing	**Unit 6 Exam**	**U6 Exam**
Non-Graphing	Exponential Equations and Functions	7.1
Non-Graphing	Logarithmic Functions	7.2
Non-Graphing	Properties of Logs	7.3
Non-Graphing	Solving Exponential Equations	7.4
Non-Graphing	**Quiz Covering Sections 7.1, 7.2, 7.3, 7.4**	**Week 8 Quiz**
Non-Graphing	Solving Logarithmic Equations	7.5
Non-Graphing	More Practice with Solving Logs and Exponentials	7.6
Non-Graphing	Applications of Exponential Equations	7.7
Non-Graphing	**Quiz Covering Sections 7.5, 7.6, 7.7**	**Week 9 Quiz**
Non-Graphing	Unit 7 Review	U7 Review
Non-Graphing	**Unit 7 Exam**	**U7 Exam**

Non-Graphing	Solving Systems of Linear Equations (Graphing and Substitution)	8.1
Non-Graphing	Solving Systems of Linear Equations (Addition/Elimination)	8.2
Non-Graphing	Solving Systems of Linear Equations in Three Variables (Addition)	8.3
Non-Graphing	**Quiz Covering Sections 8.1, 8.2, 8.3**	**Week 10 Quiz**
Non-Graphing	Cramer's Rule (Diagonals)	8.6
Non-Graphing	Nonlinear Systems of Equations	8.7
Non-Graphing	Systems of Inequalities (Linear and Nonlinear)	8.8
Non-Graphing	**Quiz Covering Sections 8.6, 8.7, 8.8**	**Week 11 Quiz**
Non-Graphing	Unit 8 Review	U8 Review
Non-Graphing	**Unit 8 Exam**	**U8 Exam**
Non-Graphing	Final Review	Final Review
Non-Graphing	Final Review	Final Review
Non-Graphing	**Final Exam**	**Final Exam**

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