



Anthony High School

Math Courses Syllabi

Teacher: Francisco Rodriguez

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El Paso Community College

Syllabus

Instructor's Course Requirements

Fall 2025

I. Course Number and Instructor Information

MATH 1314 College Algebra and Geometry

CRN:19289

(Prerequisite: Placement at college-level Mathematics by TSIA2 or equivalent; OR completion of NCBM 0114 with a "CR" or NCBM 0314 with a "C" or better; OR concurrent enrollment in NCBM 0114 or NCBM 0314.)

INSTRUCTOR'S NAME: Francisco O. Rodriguez

CAMPUS AND OFFICE NUMBER: Anthony High School Rm. 205

EMAIL: frodriguez@anthonyisd.net or frodr172@epcc.edu

Text: Remind using code **@2526dcp**

TELEPHONE NUMBER: (915) 886-6550 ext.1546

OFFICE HOURS: Monday & Friday 4:00 PM-5:00PM (or by appointment).

II. Text and Materials

A. Required Text

Larson, Ron (2022). *Precalculus with Corequisite Support Bundle* (11th Edition). Boston: Cengage Learning. Adopted 2021.

B. Materials

WebAssign Access Code

A scientific calculator is necessary; a graphing calculator would be useful.

Online Graphing Calculator (Desmos).

III. Course Requirements

A. Grading Scale:

The Course grade will be determined by taking the total points earned dividing by the total possible number of points, a student can earn, rounding to the nearest unit and assigning a letter grade based on the following scale.

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

The student may have a total of 700 points. This total will be divided by 7. This average will be determined as follows:

Four Exams @ 100 pts = 400 pts
Homework @ 100 pts = 100 pts
Lab @ 100 pts = 100 pts
Final Exam @ 100 pts = 100 pts
Total possible pts = 700 pts

Average % = Total pts Divided by 7

B. Unit Exam/Final Exam (500 points):

There will be **four exams** (see calendar below for approximate timetable) and one comprehensive **final exam**. There will be **NO** retakes on exams, and **NO** exam grade will be dropped, but if it is to the student's advantage the final exam grade may replace one of the other four exam grades. All five exams will be weighed equally. Make-up exams will not be given, except in special circumstances.

EVERYONE MUST TAKE THE FINAL EXAM. During all exams, phones are not allowed, and you're only allowed to use a formula chart and calculator.

NOTE: Cell phones/tablets/smart watches/laptop/etc. will NOT be allowed on any exam or quiz. (no Desmos, unless otherwise stated)

C. Showing All Work:

You will be required to show your work on the quizzes, each unit exam, and on the Final Exam. Complete solutions must be presented in an organized fashion, with each step in your solution following logically from the previous step to earn full credit. Failure to show work will result in a low exam grade. NO WORK – NO CREDIT.

D. Homework (100 Points):

Homework will be given on **WebAssign** weekly and will be **DUE FRIDAY and SUNDAY AT MIDNIGHT**. This grade will count as much as one exam. **NO** retakes on homework. The final exam cannot be used to replace the homework grade. Each student will be granted **TWO** extensions on an assignment missed up to a week after the due date. Otherwise, no late homework will be accepted.

E. Lab (100 points):

There is a lab associated with this class consisting of assignments, quizzes, presentations, notebook checks, etc. based on the section homework. The lab grade will be worth 100 points towards the overall Math 1314 grade. Your Lab grade will be weighed the same as one exam. Quizzes will be timed. The final exam cannot be used to replace the lab grade.

F. Extracurricular activities

Students that are going to be absent for an extracurricular activity during an exam need to inform their instructor a week prior to leaving. Assignment extensions will not be granted, you need to plan according to your syllabus.

IV. Instructor's Policies

A. Honors Credit:

This course may be taken for Honors Credit, see your instructor for more information.

B. Drop Date:

Friday, November 14th, 2025 is the last day a student can withdraw with a "W". If you wish to withdraw from this course it is your responsibility to complete all the necessary paperwork.

C. Tutoring:

Online tutoring is available 7 days a week throughout the day through the Math Department and the EPCC Office of Student Success. Information on how to access the tutoring rooms can be found on Blackboard or on the EPCC website. Students are encouraged to take advantage of these services as Student Hours may not always coincide with the hours in which work is completed.

In classroom tutoring hours are Monday-Friday from 7:30am-8:30 am and afterschool by appointment. I will do my best to answer any questions on remind as soon as possible.

D. Incomplete:

I (incomplete) grades are assigned whenever the appropriate assignments and deadlines are met. To be eligible for an incomplete grade, a student must have at least 80% of the course work completed with at least a 75% average.

E. Cheating:

High ethical standards are prerequisites for successful careers and reflect on a person's character. All graded work must be the student's own work. Situations involving cheating (giving and receiving answers on test) will be handled according to the [Student Code of Conduct](#) published in the EPCC Catalog and EPCC [FMA-1 Student Disciplinary Procedure](#).

F. Make-Up Exams

No make-up exams or retests will be given for unexcused absences. It is the student's responsibility to make prior arrangements with the instructor if unable to take the test by the due date. If the excuse is valid and prior arrangements were made, the student will be allowed to take the exam.

F. Participation:

Students enrolled are expected to participate as a learning community, by being prepared for class, engaging in group activities, joining class discussions, communicating their understanding of mathematics, and explaining their work to others.

V. CALENDAR FOR MATH 1314 (approximate)

Week	Dates	Sections Covered	Section Titles
1	Aug. 4 – Aug. 10	1.1, 1.2, 1.3,	1.1-Rectangular Coordinates 1.2-Graphs of Equations 1.3-Linear Equations in Two Variables
2	Aug. 11 – Aug. 17	1.4, 1.5, 1.6	1.4-Functions 1.5-Analyzing Graphs of Functions

			1.6-A Library of Parent Functions
3	Aug. 18 – Aug. 24 August 22nd – Teacher workday (No School)	BOY SCREENER CLASS DID NOT MEET	
4	Aug. 25 – Aug. 31	1.6, 1.7, 1.8	1.6-A Library of Parent Functions 1.7-Transformations of Functions 1.8-Combinations of Functions: Composite Functions
5	Sep. 2 – Sep. 7 September 1st – Labor Day (No Classes)	1.9, 1.10 Review	1.9-Inverse Functions 1.10-Mathematical Modeling and Variation
6	Sep. 8 – Sep. 14 September 11th – Parent Teacher Conferences (Early Release)	EXAM I 2.1, 2.2	2.1-Quadratic Functions and Models 2.2-Polynomial Functions of Higher Degree
7	Sep. 15 – Sep. 21 September 19th – Teacher workday (No School)	2.3, 2.4	2.3-Polynomial and Synthetic Division 2.4-Complex Numbers
8	Sep. 22 – Sep. 28	2.5, 2.6, Review	2.5-Zeros of Polynomial Functions 2.6-Rational Functions
9	Sep. 29 – Oct. 5 October 3rd – End of First Nine Weeks	Review, EXAM II	
	Oct 6 – Oct. 12 FALL Intersession		
10	Oct 13 – Oct. 19 October 13th – Beginning of Second Nine Weeks	3.1, 3.2	3.1-Exponential Functions and Their Graphs 3.2-Logarithmic Functions and Their Graphs
11	Oct 20 – Oct. 26	3.3, 3.4	3.3-Properties of Logarithms 3.4-Exponential and Logarithmic Equations
12	Oct. 27 – Nov. 2 October 31st – Teacher Workday (Early Release)	3.5, Review, EXAM III	3.5-Exponential and Logarithmic Models
13	Nov. 3 – Nov. 9	7.1, 7.2, 7.3	7.1-Linear and Nonlinear Systems of Equations 7.2-Two-Variable Linear Systems 7.3-Multivariable Linear Systems
14	Nov. 10 – Nov. 16 November 11th –Veteran’s Day (No Class) November 14 th – Last Day to DROP with a “W”	7.4 (Optional), 7.5, 8.1,	7.4-Partial Fractions 7.5-Systems of Inequalities 8.1-Matrices and Systems of Equations
15	Nov. 17 – Nov. 23	8.2, 8.3, 8.4	8.2-Operations with Matrices 8.3-The Inverse of a Square Matrix 8.4-The Determinant of a Square Matrix
	Nov. 24 – Nov. 30 Thanksgiving Break (No Classes)		
16	Dec. 1 – Dec. 7	8.5 (Optional), Review, Exam IV	8.5-Applications of Matrices and Determinants
17	Dec. 8 – Dec. 12	Final Exams Week	

The date of the Final Exam for this course is: December 10th, 11th, and 12th during class



Anthony Middle School

Teacher: Francisco O. Rodriguez

Subject: Algebra 1 Syllabus

First Semester

1st Nine Weeks

Unit 1. Linear Expressions, Equations, Inequalities

TEKS: A1.10.D, A1.10.A, A1.5A, A1.5B

Unit 2. Introduction to Functions

TEKS: A1.12A, A1.2.A, A1.6.A, A1.9.A

Unit 3. Investigation of Linear Functions and Inequalities (two variables)

TEKS: A1.3.C, A1.3.A, A1.3.B, A1.2.C, A1.2.B

2nd Nine Weeks

Unit 3. Investigation of Linear Functions and Inequalities (two variables)
(Continued)

TEKS: A1.2.G, A1.3.E, A1.2.H, A1.3.D

Unit 4. Application of Linear Functions

TEKS: A1.2.E, A1.2.F, A1.2.D, A1.4.B, A1.4.C, A1.4.A

Unit 5. Systems of Linear Equations and Inequalities

TEKS: A1.3.F, A1.2.I, A1.5.C, A1.3.G, A1.3.H

Second Semester

3rd Nine Weeks

Unit 6. Laws of Exponents, Expressions, and Factoring

TEKS: A1.11.B, A1.10.B, A1.10.C, A1.10.E, A1.10.F

Unit 7. Quadratic Equations, Including Simplification of Numerical Radical Expressions

TEKS: A1.11.A, A1.8.A

Unit 8. Investigation and Application of Quadratic Functions

TEKS: A1.7.A, A1.6.A, A1.6.B, A1.7.B, A1.6.C, A1.8.B, A1.7.C

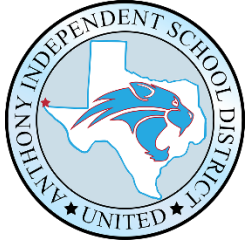
4th Nine Weeks

Unit 9. Investigation and Application of Exponential Functions

TEKS: A1.9.D, A1.9.A, A1.9.B, A1.9.C, A1.9.E

Unit 10. Arithmetic and Geometric Sequences

TEKS: A1.12.C, A1.12.D



Anthony High School

Teacher: Francisco O. Rodriguez

Subject: Algebra 2 Syllabus

First Semester

1st Nine Weeks

Unit 1. Introduction to Functions in Algebra II

TEKS: A2.2.A, A2.7.I,

Unit 2. Absolute Value Functions, Equations, and Inequalities

TEKS: A2.2.A, A2.6.C, A2.6.D, A2.6.E, A2.6.F

Unit 3. Systems of Linear Equations and Inequalities

TEKS: A2.3.A, A2.3.B, A2.3.E, A2.3.F, A2.3.G

2nd Nine Weeks

Unit 4. Expressions, Factoring, and Equations with Rational Exponents

TEKS: A2.7.B, A2.7.C, A2.7.G, A2.7.H, A2.7.D, A2.7.E, A2.2.D

Unit 5. Quadratic Relations, Equations, and Inequalities

TEKS: A2.2.A, A2.3.A, A2.3.C, A2.3.D, A2.4.A, A2.4.D, A2.4.B, A2.7.A, A2.4.F, A2.4.H, A2.4.E,

Unit 6. Square Root Functions and Equations

TEKS: A2.2.A, A2.4.C, A2.2.C, A2.2.B, A2.2.D, A2.4.E, A2.4.F, A2.4.G

Second Semester

3rd Nine Weeks

Unit 7. Cubic and Cube Root Functions and Equations

TEKS: A2.2.A, A2.6.A, A2.2.C, A2.2.B, A2.2.D, A2.6.B

Unit 8. Rational Functions and Equations

TEKS: A2.2.A, A2.6.K, A2.6.G, A2.6.H, A2.7.F, A2.6.I, A2.6.J, A2.6.L

Unit 9. Exponential Functions and Equations

TEKS: A2.2.A, A2.5.A, A2.5.B, A2.5.D

4th Nine Weeks

Unit 10. Exponential and Logarithmic Functions and Equations

TEKS: A2.2.A, A2.2.C, A2.2.B, A2.2.D, A2.5.C, A2.5.E

Unit 11. Linear, Quadratic, and Exponential Data Models

TEKS: A2.8.A, A2.8.B, A2.8.C