

South Plains College
Common Course Syllabus: MATH 1314
Revised August 2020

Department: Mathematics, Engineering, and Computer Science

Discipline: Mathematics

Course Number: MATH 1314

Course Title: College Algebra

Available Formats: conventional/flex, internet, and ITV

Campuses: Levelland, Reese, Plainview, Lubbock Center, and Dual Credit

Course Description: In-depth study and applications of polynomial, rational, radical, exponential and logarithmic functions, and systems of equations using matrices. Additional topics such as sequences, series, probability, and conics may be included.

Prerequisite: Minimum score of 350 on the TSIA, TSI-exempt status, or a successful completion with a grade of 'C' or better in MATH 0320.

Credit: 3 **Lecture:** 3 **Lab:** 1

Textbook: *College Algebra with Intermediate Algebra: A Blended Course*, Beecher, Penna, Johnson, and Bittinger, 2018, 1st Edition, Prentice Hall/Pearson Education

Supplies: Please see the instructor's course information sheet for specific supplies.

This course partially satisfies a Core Curriculum Requirement: Mathematics Foundational Component Area (020)

Core Curriculum Objectives addressed:

- **Communications skills**—to include effective written, oral and visual communication
- **Critical thinking skills**—to include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information
- **Empirical and quantitative competency skills**—to manipulate and analyze numerical data or observable facts resulting in informed conclusions

Student Learning Outcomes: Upon completion of this course and receiving a passing grade, the student will be able to:

1. Demonstrate and apply knowledge of properties of functions, including domain and range, operations, compositions, and inverses.
2. Recognize and apply polynomial, rational, radical, exponential and logarithmic functions and solve related equations.
3. Apply graphing techniques.
4. Evaluate all roots of higher degree polynomial and rational functions.
5. Recognize, solve and apply systems of linear equations using matrices.

Student Learning Outcomes Assessment: A pre- and post-test questions will be used to determine the extent of improvement that the students have gained during the semester

Course Evaluation: There will be departmental final exam questions given by all instructors.

Attendance/Student Engagement Policy: Attendance and effort are the most important activities for success in this course. The instructor maintains records of the student's engagement throughout the semester. The student will be allowed to miss twenty percent (20%) of class assignments for the semester, **for any reason**. Should this number be exceeded, the instructor has the right to drop the student with a grade of F or an X, depending on the instructor's discretion.

Plagiarism violations include, but are not limited to, the following:

1. Turning in a paper that has been purchased, borrowed, or downloaded from another student, an online term paper site, or a mail order term paper mill;
2. Cutting and pasting together information from books, articles, other papers, or online sites without providing proper documentation;
3. Using direct quotations (three or more words) from a source without showing them to be direct quotations and citing them; or
4. Missing in-text citations.

Cheating violations include, but are not limited to, the following:

1. Obtaining an examination by stealing or collusion;
2. Discovering the content of an examination before it is given;
3. Using an unauthorized source of information (notes, textbook, text messaging, internet, apps) during an examination, quiz, or homework assignment;
4. Entering an office or building to obtain an unfair advantage;
5. Taking an examination for another;
6. Altering grade records;
7. Copying another's work during an examination or on a homework assignment;
8. Rewriting another student's work in Peer Editing so that the writing is no longer the original student's;
9. Taking pictures of a test, test answers, or someone else's paper.

COVID Syllabus Statement: It is the policy of South Plains College for the Spring 2021 semester that as a condition of on-campus enrollment, all students are required to engage in safe behaviors to avoid the spread of COVID-19 in the SPC community. Such behaviors specifically include the requirement that all students properly wear CDC-compliant face coverings while in SPC buildings including in classrooms, labs, hallways, and restrooms. Failure to comply with this policy may result in dismissal from the current class session. If the student refuses to leave the classroom or lab after being dismissed, the student may be referred to the Dean of Students on the Levelland campus or the Dean/Director of external centers for Student Code of Conduct Violation. Students who believe they have been exposed or may be COVID-19 positive, must contact Health Services, DeEtte Edens, BSN, RN at (806) 716-2376 or dedens@southplainscollege.edu.

Student Code of Conduct Policy: Any successful learning experience requires mutual respect on the part of the student and the instructor. Neither instructor nor student should be subject to others' behavior that is rude, disruptive, intimidating, aggressive, or demeaning. Student conduct that disrupts the learning process or is deemed disrespectful or threatening shall not be tolerated and may lead to disciplinary action and/or removal from class.

Diversity Statement: In this class, the teacher will establish and support an environment that values and nurtures individual and group differences and encourages engagement and interaction. Understanding and respecting multiple experiences and perspectives will serve to challenge and stimulate all of us to learn about others, about the larger world and about ourselves. By promoting diversity and intellectual exchange, we will not only mirror society as it is, but also model society as it should and can be.

Disability Statement: Students with disabilities, including but not limited to physical, psychiatric, or learning disabilities, who wish to request accommodations in this class should notify the Disability Services Office early in the semester so that the appropriate arrangements may be made. In accordance with federal law, a student requesting accommodations must provide acceptable documentation of his/her disability to the Disability Services Office. For more information, call or visit the Disability Services Office at Levelland (Student Health & Wellness Office) 806-716-2577, Reese Center (Building 8) 806-716-4675, or Plainview Center (Main Office) 806-716-4302 or 806-296-9611.

Nondiscrimination Policy: South Plains College does not discriminate on the basis of race, color, national origin, sex, disability or age in its programs and activities. The following person has been designated to handle inquiries regarding the non-discrimination policies: Vice President for Student Affairs, South Plains College, 1401 College Avenue, Box 5, Levelland, TX 79336. Phone number 806-716-2360.

Title IX Pregnancy Accommodations Statement: If you are pregnant, or have given birth within six months, Under Title IX you have a right to reasonable accommodations to help continue your education. To [activate](#) accommodations you must submit a Title IX pregnancy accommodations request, along with specific medical documentation, to the Director of Health and Wellness. Once approved, notification will be sent to the student and instructors. It is the student's responsibility to work with the instructor to arrange accommodations. Contact the Director of Health and Wellness at 806-716-2362 or [email cgilster@southplainscollege.edu](mailto:cgilster@southplainscollege.edu) for assistance.

Campus Concealed Carry: Texas Senate Bill - 11 (Government Code 411.2031, et al.) authorizes the carrying of a concealed handgun in South Plains College 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 South Plains College policy, license holders may not carry a concealed handgun in restricted locations. For a list of locations and Frequently Asked Questions, please refer to the Campus Carry page

at: <http://www.southplainscollege.edu/campuscarry.php>

Pursuant to PC 46.035, the open carrying of handguns is prohibited on all South Plains College campuses. Report violations to the College Police Department at 806-716-2396 or 9-1-1.

SPC Bookstore Price Match Guarantee Policy: If you find a lower price on a textbook, the South Plains College bookstore will match that price. The difference will be given to the student on a bookstore gift certificate! The gift certificate can be spent on anything in the store.

If students have already purchased textbooks and then find a better price later, the South Plains College bookstore will price match through the first week of the semester. The student must have a copy of the receipt and the book has to be in stock at the competition at the time of the price match.

The South Plains College bookstore will happily price match BN.com & books on Amazon noted as *ships from and sold by Amazon.com*. Online marketplaces such as *Other Sellers* on Amazon, Amazon's Warehouse Deals, *fulfilled by Amazon*, BN.com Marketplace, and peer-to-peer pricing are not eligible. They will price match the exact textbook, in the same edition and format, including all accompanying materials, like workbooks and CDs.

A textbook is only eligible for price match if it is in stock on a competitor's website at time of the price match request. Additional membership discounts and offers cannot be applied to the student's refund.

Price matching is only available on in-store purchases. Digital books, access codes sold via publisher sites, rentals and special orders are not eligible. Only one price match per title per customer is allowed.

Note: The instructor reserves the right to modify the course syllabus and policies, as well as notify students of any changes, at any point during the semester.

Proctorio Syllabi Description - US Higher Education

Proctorio is a Learning Integrity Platform

This course will use Proctorio, a remote proctoring solution designed to protect the integrity of this course's assessments.

Equity and Fairness

The reason I've chosen Proctorio for this course is to make education more equal, by giving each student an opportunity to earn the grades they deserve. The US Federal Government also requires that all schools have a process in place for verifying student identity to protect against Federal Student Aid (FSA) fraud.

Privacy

Proctorio is a trusted platform for remote proctoring because of its commitment to student privacy. Proctorio uses single sign-on through our LMS and only I or approved individuals, here at our institution, will have access to your exam data. Proctorio never requires personally identifiable information from students and Proctorio will never sell your data to third parties. Read more about [Proctorio's approach to privacy](#).

Security

Proctorio only runs as an extension in your browser. This means that Proctorio works within a sandbox and has limited access to your computer system unlike traditionally installed software applications that have complete access to your computer's hard drive, or other resources.

Proctorio only runs while you are taking your exam. After your exam ends, you may uninstall the extension by right-clicking on it, to bring you peace of mind. Just remember, you'll need to reinstall the extension again before starting your next exam.

All student data is kept safe using zero-knowledge encryption, meaning student data is scrambled and unreadable by anyone outside of our institution's learning platform. Even Proctorio cannot see your exam data. Read more about [Proctorio security](#).

Getting Started

Before getting started on your first exam, make sure to follow the instructions in [Proctorio's Quick Start Test Taker Guide](#) for the extension. To verify your computer system meets the requirements, take the practice quiz. This will ensure that everything will run smoothly on the day of the exam. (This guide is in the Course Information folder on our Blackboard course also.)

If after reading the Quick Start Test Taker Guide if you have any trouble while using Proctorio, you can reach out to Proctorio support for troubleshooting. Proctorio support is available 24/7 and can assist in troubleshooting any extension related issues before, during and after your exam. You can contact Proctorio support via email at support@proctorio.com or by starting a live chat by clicking the Proctorio extension's shield icon.

COURSE SPECIFIC INFORMATION FOR MATH1314

Instructor: Phyllis Cormier

Email: pcormier@southplainscollege.edu

Office: Reese Center, Building 2 Rm 223B Phone: (806)716-2797

Office Hours:

Monday	Tuesday	Wednesday	Thursday	Friday
11:00 – 1:00 PM Virtual	2:30 – 3:00 PM F2F	11:00 – 1:00 PM F2F	2:30 – 3:00 PM F2F	9:00 – 10:00 AM Virtual
2:00 – 3:00PM F2F		2:00 – 3:00 PM Virtual		

Office hours are times I have set aside to work with you individually. I will be glad to help you so, please feel free to stop by anytime during these hours. No appointment is necessary. Times marked “virtual” will be on Zoom. The link will be posted on the “Office Hours” tab on our Blackboard course. Just click on the link and I should be there waiting for you. Times marked “F2F” will be in my office at Reese. Please email to make an appointment at a time other than those listed above. You may also consider sending pictures of your work by email if you would like me to help you find an error. If you would like a video solution to a problem, I can make those quickly and am willing to do that if requested.

Textbook: The textbook is not required but you may choose to purchase it for reference. The textbook referenced in this course will be the following:

- Beecher, J., Penna, J., Johnson, B., and Bittinger, M., (2017). *College Algebra with Intermediate Algebra: A Blended Course*, 1st ed. Boston: Pearson. ISBN 978-0-13-455526-3.

You may also consider referencing an older edition.

- Blitzer, R. (2017). *College Algebra*, 7th ed. New Jersey: Pearson Prentice Hall. ISBN 978-0-134-46916-4. OR
- Blitzer, R. (2013). *College Algebra*, 6th ed. New Jersey: Pearson Prentice Hall. ISBN 978-0-321-78228-1.

Class Structure: Students are enrolled in a college course delivered via distance education. The college course is led by a credentialed college instructor who is responsible for all college coursework, grading, and evaluation. A high school instructor facilitates day-to-day activities at the high school, as they relate to the course.

All instructional material is on Blackboard. Each unit in Blackboard has assignments in folders with notes including video links to teach the material and an answer key.

Class Attendance:

Assignments & Grading:

Homework: Homework is used as a study guide. Complete all homework before beginning lab assignments. Homework is on Blackboard with the solutions.

Labs: Labs consist of 3 -10 problems that will allow me to assess student’s understanding of the material. You will not have answers for the lab assignments. They should be completed without apps or websites but you may use a scientific calculator, notes, and your homework. You must show all work for credit.

Turning in Labs: You will need to submit your labs as a pdf uploaded to the assignment in Blackboard. There are many apps that you can use to take a picture of your work and turn it into a pdf. Common ones include Camscanner, Scannable, and the OneDrive app. There are videos showing how to use these in the Course Information folder in our Blackboard course.

Lab Grades: Each lab is worth 5 points. Complete the homework first to learn the material. Plan ahead to have your homework completed to the best of your knowledge before the next class period. This will allow time for you to ask questions. You may ask questions about the homework, but the labs are for you to complete on your own. **Work must be shown to receive credit.** Late assignments will be accepted for a one-point deduction per day.

Tentative Course Calendar: Print the tentative course calendar and keep it with your supplies for this course. We will be following this schedule unless otherwise notified.

Exams: You may use a scientific or simple graphing calculator such as a TI-83 or TI-84 on the exams. More advanced calculators such as the Ti-89, TI-92, TI-inspire or Casio calculators, or calculators on cell phones will not be permitted. The use of any websites or apps during exams is considered cheating. It may become necessary to take an exam online. We will be using Proctorio through Blackboard to securely proctor exams that are given online. You must be able to show your work space while taking the exams to receive credit for the exams. An explanation of how to do this is in the Course Information tab located on the tool bar in Blackboard. Failure to comply with the exam guidelines may result in a zero on the exam. I reserve the right to set up a Zoom meeting to ask you to work problems similar to those on the exam at any time after the exam has been submitted.

Online exam guidelines:

1. Sign on to Blackboard and navigate to the exam. It will be in the Unit folder.
2. Proctorio will have you perform some checks on your computer and show your ID.
3. Before beginning the exam, hold the formula sheet (if used) up to the camera.
4. No one should be with you during the exam.
5. Show your work space. Your hands and paper should be visible on the video throughout the exam.
6. Show your cell phone. It should also be visible throughout the exam but should not be touched until the end.
7. When you have completed the exam, use your cell phone to make pdf's of your work. Do this while the timer is still running and the camera is showing you making the pdf's.
8. Email your work to pcormier@southplainscollege.edu
9. Click submit on the exam.

Determining Grades:

Labs (5 pts each)	100 pts
Exam 1	100 pts
Exam 2	100 pts
Exam 3	100 pts
Exam 4	100 pts
Final Exam	125 pts
Total possible points	625 pts

Your accumulated points in the course will determine the letter grade posted on your transcript. This grade is determined by the following scale:

<u>Accumulated points</u>	<u>Final Grade</u>
560 and above	A
500 – 559	B
435 – 499	C
370 – 434	D
369 and below	F

Supplies:

- Graph paper. Graph paper can be found in the Course Information folder on Blackboard.
- Notebook paper and pencils
- Basic scientific calculator (such as a TI-30X). Calculators on cell phones, TI-89, TI-92, or TI-Inspire, Casio calculators, or any other electronic devices will not be allowed during testing without permission from the instructor.
- 3-ring binder to keep all homework assignments, quizzes, labs and exams organized and easy to find for reference (Recommended but not required.)
- Reliable internet access.
- Phone or tablet capable of making a pdf.
- Webcam. We will be using Proctorio if online exams are necessary. Most laptops have a built-in webcam. If you do not have a webcam, you will need to buy or borrow one before our first quiz.

Supplementary Course Information & Tutoring: Blackboard is the online course management system that will be utilized for this course. This course syllabus, as well as any class handouts can be accessed through Blackboard. Login at <http://southplainscollege.blackboard.com>. The user name and password should be the same as the Texan Connect and SPC email.

Free tutoring is available. Check Blackboard often for the latest tutoring schedule and course supplements (handouts, additional notes, sample problems for practice, etc.). More information about tutoring is available in the Course Information tab on Blackboard.

Your weekly course activities

View the notes for the assigned sections on Blackboard.

Watch the videos while taking notes

Work the homework for that lesson

Check your work with the answers on Blackboard

Mark any that you had trouble with

Ask questions

Complete your homework

Complete the lab work

Tentative Course Calendar
 MATH1314-452 – Dual Credit

Week	Monday	Tuesday	Wednesday	Thursday	Friday
1	11	12 0 Factoring Review	13	14 1 Linear & Rational Equations Lab 0 due	15
2	Martin Luther King Holiday	19 2 Linear Applications Lab 1 due	20	21 3 Complex Numbers & Quadratic Equations Lab 2 due	22
3	25	26 4 Quadratic Equations Cont. Lab 3 due	27	28 5 Other Types of Equations Lab 4 due	29
	FEBRUARY				
4	1	2 6 Abs Value Inequalities with Review Lab 5 due	3	4 EXAM 1	5
5	8	9 7 Functions & Their Graphs	10	11 8 Linear Functions Lab 7 due	12
6	15	16 9 Distance, Midpt, Circles & Operations on Functions Lab 8 due	17	18 10 Composition and Inverse Functions Lab 9 due	19
7	22	23 11 Quadratic Functions Lab 10 due	24	25 11 (continued) Synthetic division & the rational root theorem Lab 11 due (Quadratic functions only)	26
	MARCH				
8	1	2 EXAM 2	3	4 12 Polynomial & Rational Inequalities	

9	8	9 13 Polynomial Functions & Their Graphs Lab 12 due	10	11 14 Rational Functions & Their Graphs Lab 13 due	12
SPRING BREAK	15	16	17	18	19
10	22	23 15 Exponential & Logarithmic Functions Lab 14 due	24	25 16 Properties of Logs Lab 15 due	26
11	29	30 17 Exponential and Logarithmic Eq. Lab 16 due	31	1 18 Review Lab 17 due	2 Easter break
	APRIL				
12	5	6 EXAM 3	7	8 19 2X2 and 3X3 Systems	
13	12 <i>Online registration opens at 8:00 AM for Spring Interim, Summer, and Fall 2021</i>	13 20 Matrix Solutions Lab 19 due	14	15 21 Cramer's Rule Lab 20 due	16
14	19	20 22 Nonlinear Systems Lab 21 due	21	22 22 (continued) Systems of Inequalities Lab 22 due (Nonlinear systems only)	23
15	26	27 EXAM 4	28	29 <i>Last day to drop Spring semester classes</i> Review for final	30
	MAY				
	3	4 Final exam	5	6	7