

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/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-19 and Face Coverings: 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 difference 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.

Lesson Videos: You will watch lesson videos at home and fill in the notes to learn the material. Class time will be reserved for Q & A along with working section assignments.

Assignments: In Blackboard, you will find assignments for all sections covered in the course. These section assignments are to be done using the **guidelines for showing your work**. During class, we will go over assignment questions. All assignments have the answers listed so you can check your answers and make sure you are working the problems correctly. To turn in your assignments, you will upload each section as one PDF file with multiple pages into Gradescope. For each completed assignment, one point will be added to the following unit test grade. To be counted as complete, you must finish ALL problems showing ALL steps. Assignments will not be accepted late, and there will be no deadline extension on any section assignment for any reason.

Guidelines for showing your work on assignments:

- All work is to be completed on notebook paper.
- Pencil should be used to work all problems. Mark outs are not allowed, so the work must be rewritten with no errors if you are using a pen.
- Write down the question and show every step of your work.
- You MUST work DOWN your paper.
- You may make TWO columns on your paper. (Leave enough room for me to write comments.)
- If any one of these guidelines is not followed, you will receive a zero on your assignment.

Lab Assignments: After questions, class time will be used as our lab time. The lowest three lab grades will be dropped. **THERE ARE NO MAKEUP LABS!** Here are the two different types of labs we will have:

1. Work on section assignments. As long as you participate until I give permission to leave, you will receive a 100 for these labs. If you leave before permission is granted or are absent, you will receive a zero.
2. Take a quiz, and then continue to work on section assignments. If you are absent, you will receive a zero on the quiz.

Exams: Dates for exams are located in the outline. **There are no make-up exams!** Exam work will be uploaded into Gradescope before you leave class, so make sure you have your cell phone with you in class. You will be required to silence your cell phone and place it face down on your desk during exams. If you are absent on the day an exam is given, you will receive a zero for the exam. There will be a comprehensive final exam at the end of the semester.

Grading Scale:

Lab Assignments	20 %	A: 90 – 100
Unit Exams	60 %	B: 80 – 89
Final Exam	20 %	C: 70 – 79
		D: 60 – 69
		F: 59 and below

If we move to a totally online class for any reason, the following policies will immediately be in effect.

Required Materials: reliable internet service, computer and printer access, webcam, along with all previous required materials

Lab Assignments:

- Participation grades for working on section assignments will no longer be offered.
- Quizzes will be taken in Blackboard. These will be proctored using the Proctorio Program. You will be allowed only one attempt on each quiz. Blackboard quizzes will not be accepted late.

Tests: Unit tests will be taken either in Zoom or Blackboard. All tests in Blackboard will be proctored using the Proctorio Program. You must complete the entire test at one time, and you are allowed only one attempt. You must show all steps on notebook paper. You may not save it and come back to it at a later time. Tests will NOT be dropped at the end of the semester. There are no passwords on tests, so if you are being asked for a password, then you did not follow the correct instructions to take a test.

Guidelines for tests:

- You must show your workspace in camera view during the entire test. Your workspace is your desk area along with your face, not just your face.
- You must put your cell phone face down in the camera view at all times and you are not allowed to use it during the test.
- If a calculator is allowed, you must place it in the camera view at all times. You must include a picture of your calculator with your test work.
- You are not allowed to have another person in the camera view.
- If you are taking this class with a relative or anyone that lives with you, you must all take the tests at the exact same time.
- You must have good light so you are easily seen in the video. If it is too dark, I can't see you.
- You are not allowed to move out of the camera view at any time during your test.
- Once you are finished with the test, you MUST scan your work as one PDF file with multiple pages using your cell phone. The first page must be a picture of your calculator. Once you pick up your cell phone, you are NOT allowed to write anything else on your paper.
- When showing your work on notebook paper, make sure you are working down your paper and not to the right. If you add an equal sign to the right of the problem, and continue to the right, that is not working down. All of my videos show you how to work down your paper. If I cannot follow your work, I cannot give you partial credit for your problem.
- Plug in your computer before starting a test. If your battery dies, Proctorio will stop.
- If any ONE of these guidelines are not followed, you will receive a zero on your test in Blackboard. I will add a comment to the test in Blackboard explaining to you why you received a zero.

***If Proctorio stops recording before your test is complete, you must upload the work you have completed immediately. If you get kicked out of the test completely and cannot upload your work, email the work to me. Do not hold onto the work and email me asking to finish the test. If your work was uploaded or emailed within 5 minutes, I will grade what you have completed. If your work is uploaded or emailed more than 5 minutes after recording stops, your work will not be accepted, and you will receive a zero on the test.

Math 1314

Tentative Course Outline

Any changes will be posted in Blackboard.

Spring 2021

All assignments are due by 7 pm on the date listed in this outline.

Week	Monday	Tuesday	Wednesday	Thursday	Friday
1		Jan 19 Course Info	Jan 20	Jan 21 1.1	Jan 22
2	Jan 25	Jan 26 1.2	Jan 27	Jan 28 1.3, 1.4	Jan 29
3	Feb 1	Feb 2 1.5	Feb 3	Feb 4 1.6	Feb 5
4	Feb 8	Feb 9 Test 1	Feb 10	Feb 11 2.1	Feb 12
5	Feb 15	Feb 16 2.2	Feb 17	Feb 18 2.3	Feb 19
6	Feb 22	Feb 23 2.4	Feb 24	Feb 25 2.5	Feb 26
7	Mar 1	Mar 2 Test 2	Mar 3	Mar 4 3.1	Mar 5
8	Mar 8	Mar 9 3.2	Mar 10	Mar 11 3.3	Mar 12
9	Mar 22	Mar 23 3.4	Mar 24	Mar 25 3.5	Mar 26
10	Mar 29	Mar 30 Test 3	Mar 31	Apr 1 4.1	Apr 2
11	Apr 5	Apr 6 4.2	Apr 7	Apr 8 4.3	Apr 9
12	Apr 12	Apr 13 4.4	Apr 14	Apr 15 Test 4	Apr 16
13	Apr 19	Apr 20 5.1	Apr 21	Apr 22 5.2	Apr 23
14	Apr 26	Apr 27 5.3	Apr 28	Apr 29 Test 5	Apr 30
15	May 3	May 4 Review	May 5	May 6 Review	May 7
16	The Final Exam will be on Tuesday, May 11, 10:15 - 12:15			Last Day to Drop a class: Apr 29	