

South Plains College
Common Course Syllabus: MATH 0314 / Math 1314

Department: Mathematics, Engineering, and Computer Science

Discipline: Mathematics

Course Number: MATH 0314

Course Number: MATH 1314

Course Title: College Algebra Support Course

Course Title: College Algebra

Available Formats: conventional/flex and internet

Campuses: Levelland, Reese, Plainview, Lubbock Center

0314 Course Description: Math 0314 is to be taken concurrently with MATH 1314. Background topics which are necessary for a student to successfully complete MATH 1314 will be covered, with an emphasis on fractions, factoring polynomials, functions, exponents, and operating with radical and rational expressions.

1314 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 340 on the TSIA, or a successful completion with a grade of 'C' or better in MATH 0315.

0314 Credit: 3 **Lecture:** 3 **Lab:** 1

1314 Credit: 3 **Lecture:** 3 **Lab:** 1

This course partially satisfies a Core Curriculum Requirement: 0314 - None
 1314 - Mathematics Foundational Component Area (020)

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

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

0314 Student Learning Outcomes: Upon completion of this course and receiving a passing grade, the student will be able to:

1. Define, represent, and perform operations on real numbers.
2. Use order of operations and exponent rules to simplify an expression.
3. Add, subtract, multiply, and divide polynomials.
4. Recognize, understand, and analyze features of a linear equation and a function.
5. Recognize and use algebraic properties, concepts, procedures (including factoring), and algorithms to combine, transform, and evaluate absolute value, polynomial, rational, and radical expressions.

6. Identify and solve linear and absolute value equations.
7. Identify and solve linear inequalities.

1314 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. Records of your engagement are maintained throughout the semester through completion of assignments. 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 you 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 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.

revised August 2020

reason, so do not ask. You can work as far in advance as you would like. Assignments are open early with the due dates listed so you can plan accordingly to complete all assignments on time. All assignments are timed, and are due by the time and date listed in the outline. You will get the full amount of time unless you start the assignment right before the deadline. Then, you forfeit the full amount of time. For example, if a test allows 2 hours to complete, and you start the test 30 minutes prior to the deadline, then you are only allowed 30 minutes to complete the test. You should ALWAYS stay a few days ahead of schedule (preferably a week ahead) so that if you have any issues, it can be resolved before the deadline. Issues cannot be resolved after the deadline. You must give me 24 hours to fix any issues. NEVER wait until the last minute to complete an assignment. Computers seem to have issues when you are in a hurry to meet a deadline. **Internet provider issues or any computer problems do not constitute excuses for late submission of work. You must have a reliable computer and reliable internet service.**

Tutoring: You have access to free tutoring through SPC. Click on the tutoring link in Blackboard. If you visit with a tutor, please share with them the work shown in my videos, so they can help you with the correct steps.

Lesson Videos: To help you with the lessons, there are videos in Blackboard. You need to watch the videos and fill in the notes to learn the material. If you are using another resource to learn the material, I may not be able to help you. You will also not receive partial credit on your exams if I cannot understand your work.

Homework: Homework assignments are located in MML under the "Assignments" tab. If you do not want to spend all of your time in front of the computer, the homework assignment may be printed, worked on paper, and then the answers can be entered at a different time. You can log out and come back to work homework assignments. You should not settle for less than a 100 on all homework assignments since you can rework all problems until you get them right. If you miss a problem, or if you just want more practice, hit "similar exercise" at the bottom of the screen for a new problem to work. There will be a deduction of 25%, per day, on all late homework if you miss the deadline. Four (4) homework grades will be dropped at the end of the semester. For extra practice, there are more homework problems under each section in Blackboard. ****Make sure you are working the problems on notebook paper showing all correct steps since you will have to show the correct steps on the proctored tests.**

Tests: Unit tests are located in Blackboard under the "Unit Tests" tab. All tests 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 will be a deduction of 25%, per day, on all late tests if you miss the deadline. 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.

Final Exam: There will be a mandatory comprehensive final exam at the end of the semester.

Grading Scale:

| | | |
|------------|------|-----------------|
| Homework | 20 % | A: 90 – 100 |
| Unit Tests | 60 % | B: 80 – 89 |
| Final Exam | 20 % | C: 70 – 79 |
| | | D: 60 – 69 |
| | | F: 59 and below |

| Week | Monday | Tuesday | Wednesday | Thursday | Friday | Saturday | Sunday |
|------|------------------------------|----------------------------|------------------------------|------------------------------|------------------------------|---|-----------------------------|
| 1 | | Jan 19 | Jan 20 | Jan 21 1.1 | Jan 22 1.2 | Jan 23 1.3 | Jan 24 1.4 |
| 2 | Jan 25 Unit 1 HW Due | Jan 26 | Jan 27 Unit 1 Quiz Due | Jan 28 2.1 | Jan 29 2.1 | Jan 30 2.2 | Jan 31 2.2 |
| 3 | Feb 1 2.3 | Feb 2 2.3 | Feb 3 2.4 | Feb 4 2.4 | Feb 5 Unit 2 HW due | Feb 6 | Feb 7 Unit 2 Quiz due |
| 4 | Feb 8 3.1 | Feb 9 3.2 | Feb 10 3.2 | Feb 11 3.3 | Feb 12 3.3 | Feb 13 3.4 | Feb 14 3.4 |
| 5 | Feb 15 3.5 | Feb 16 3.5 | Feb 17 Unit 3 HW due | Feb 18 | Feb 19 Unit 3 Quiz due | Feb 20 4.1 | Feb 21 4.1 |
| 6 | Feb 22 4.2 | Feb 23 4.2 | Feb 24 4.3 | Feb 25 4.3 | Feb 26 4.4 | Feb 27 4.4 | Feb 28 4.5 |
| 7 | Mar 1 4.5 | Mar 2 Unit 4 HW due | Mar 3 | Mar 4 Unit 4 Quiz due | Mar 5 5.1 | Mar 6 5.1 | Mar 7 5.2 |
| 8 | Mar 8 5.2 | Mar 9 5.3 | Mar 10 5.3 | Mar 11 5.4 | Mar 12 5.4 | Mar 13 Unit 5 HW due | Mar 14 |
| 9 | Mar 22 Unit 5 Quiz due | Mar 23 6.1 | Mar 24 6.1 | Mar 25 6.2 | Mar 26 6.2 | Mar 27 6.3 | Mar 28 6.3 |
| 10 | Mar 29 6.4 | Mar 30 6.4 | Mar 31 Unit 6 HW due | Apr 1 | Apr 2 Unit 6 Quiz due | Apr 3 7.1 | Apr 4 7.1 |
| 11 | Apr 5 7.2 | Apr 6 7.2 | Apr 7 7.3 | Apr 8 7.3 | Apr 9 7.4 | Apr 10 7.4 | Apr 11 7.5 |
| 12 | Apr 12 7.5 | Apr 13 Unit 7 HW due | Apr 14 | Apr 15 Unit 7 Quiz due | Apr 16 8.1 | Apr 17 8.1 | Apr 18 8.2 |
| 13 | Apr 19 8.2 | Apr 20 8.3 | Apr 21 8.3 | Apr 22 8.4 | Apr 23 8.4 | Apr 24 Unit 8 HW due | Apr 25 |
| 14 | Apr 26 Unit 8 Quiz due | Apr 27 9.1 | Apr 28 9.1 | Apr 29 9.2 | Apr 30 9.2 | May 1 9.3 | May 2 9.3 |
| 15 | May 3 9.4 | May 4 9.4 | May 5 Unit 9 HW due | May 6 | May 7 Unit 9 Quiz due | May 8 | May 9 |
| 16 | May 10 Final Exam due | | | | | Last Day to Drop a class: Apr 29 | |