

**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, or a successful completion of NCBM-0105.

**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 engagement are the most critical activities for success in this course. The instructor maintains records of the student's attendance and submission of assignments throughout the semester. The student is expected to attend at least eighty percent (80%) of the **total** class meetings **and** submit at least eighty percent (80%) of the **total** class assignments to have the best chance of success. If the student fails to meet these minimum requirements, the instructor may remove the student from the class with an X, upon their discretion, to help the student from harming their GPA. If the student cannot receive an X, the instructor will assign an F.

**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 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. There will be no requirement for face coverings at any location on any South Plains College campus or classroom. Faculty, staff, or students may continue to wear a mask voluntarily, but there will be no requirements for face coverings in any circumstance.

**COVID Syllabus Statement (cont.):** If you are experiencing any of the following symptoms please do not attend class and either seek medical attention or get tested for COVID-19.

- Cough, shortness of breath, difficulty breathing
- Fever or chills
- Muscles or body aches
- Vomiting or diarrhea
- New loss of taste and smell

Please also notify DeEtte Edens, BSN, RN, Associate Director of Health & Wellness, at [dedens@southplainscollege.edu](mailto:dedens@southplainscollege.edu) or 806-716-2376.

**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



## Assignments and Grades

**Tutoring:** You have access to free tutoring through SPC. Click on the resources tab 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 and Notes:** In Blackboard, you will find lesson videos and notes for every section. You need to print the notes and watch the videos to fill in the notes. If you are using another resource to learn the material, I may not be able to help you. You will not receive partial credit on your exams if I cannot understand your work. I may randomly ask you to scan and upload your notes for extra credit.

**Scanning Assignments:** You will need to scan and upload your work as a PDF file into Gradescope to turn it in. Each assignment can be multiple pages, but it must be ONE file. There are many free apps you can use to scan and upload your work like the notes app and the Onedrive app. Make sure to practice several times before you start uploading.

**Homework:** In Blackboard, you will find homework for all sections covered in the course. Homework should be completed on notebook paper with all work shown. The answers are listed so you can check your answers and make sure you are working the problems correctly. Homework is for practice only and will not be counted as a grade. It will prepare you for labs and tests. I may randomly ask you to scan and upload your homework for extra credit.

**Labs:** Labs will be given on the date listed in the outline. The work on labs must follow the work on the videos to receive credit. THREE lab grades will be dropped at the end of the semester. If you are absent on a day a lab is completed in class, you will receive a zero for that lab.

**Unit Exams:** There will be an exam after every unit. Exams will be given on the date listed in the outline. If you are absent on the day an exam is given, you will receive a zero on the exam. There are no make-up exams.

**Final Exam:** There will be a mandatory comprehensive final exam at the end of the semester. **If you miss the final exam, you will receive a zero for the exam.**

<b>Grading Scale:</b>	Labs	20 %	A: 90 – 100
	Unit Exams	60 %	B: 80 – 89
	Final Exam	20 %	C: 70 – 79
			D: 60 – 69
			F: 59 and below

Math 0314 1314  
C204  
FALL 2021

Tentative Course Outline -- any changes will be posted in Blackboard

Week	Monday	Tuesday	Wednesday	Thursday	Friday
1	Aug 30	Aug 31	Sep 1	Sep 2 1.1, 1.2 Lab	Sep 3
2	<b>Sep 6 Labor Day</b>	Sep 7 1.3, 1.4 Lab	Sep 8	Sep 9 Unit 1 Exam	Sep 10
3	Sep 13	Sep 14 2.1, 2.2	Sep 15	Sep 16 2.3, 2.4	Sep 17
4	Sep 20	Sep 21 Unit 2 Exam		Sep 23 3.1, 3.2	Sep 24
5	Sep 27	Sep 28 3.3, 3.4	Sep 29	Sep 30 Unit 3 Exam	Oct 1
6	Oct 4	Oct 5 4.1, 4.2	Oct 6	Oct 7 4.3, 4.4	Oct 8
7	Oct 11	Oct 12 Unit 4 Exam	Oct 13	Oct 14 5.1, 5.2	Oct 15 <b>Fall Break</b>
8	Oct 18	Oct 19 5.3, 5.4	Oct 20	Oct 21 Unit 5 Exam	Oct 22
9	Oct 25	Oct 26 6.1, 6.2	Oct 27	Oct 28 6.3, 6.4	Oct 29
10	Nov 1	Nov 2 Unit 6 Exam	Nov 3	Nov 4 7.1, 7.2	Nov 5
11	Nov 8	Nov 9 7.3, 7.4	Nov 10	Nov 11 7.5	Nov 12
12	Nov 15	Nov 16 Unit 7 Exam	Nov 17	Nov 18 8.1, 8.2	Nov 19
13	Nov 22	Nov 23 8.3, 8.4	<b>Nov 24</b>	<b>Nov 25</b> <b>Thanksgiving Break</b>	<b>Nov 26</b>
14	Nov 29	Nov 30 Unit 8 Exam	Dec 1	Dec 2 9.1, 9.2	Dec 3
15	Dec 6	Dec 7 9.3, 9.4	Dec 8	Dec 9 Review	Dec 10
16	<b>Final Exam: Tuesday, December 14, 1:00 - 3:00 pm</b>			<b>Last Day to Drop a class: Dec 2</b>	