

Math 0314/1314.C006 College Algebra with Support (Corequisite)
Tuesday/Thursday 1:00pm – 2:45 pm
Fall 2024 – M124

Instructor: Ms. Rachel Fleenor

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Office: M102

Office Phone: 806-716-4321

Office Hours: MTWR – 2:45 pm – 3:45 pm

TR – 10:45am – 12:15pm

F – 9:30 am – 10:30 am

(or by appointment)

Course Structure – Hybrid

- Tuesdays and Thursdays we will cover material in-class
- On Mondays and Wednesdays you will watch lecture videos over material
- Each lesson will have a corresponding homework
- Each week will have 1-2 quizzes over the previous week's (or days) content
- Exams will be given in class
- All students are expected to be physically in class

Textbook

- No book is required for this section

Course Requirements/Materials

- Attend all classes, taking notes and participating
- Complete all assignments in allotted time
- Smart phone and/or scanner to turn a written document into a PDF file
- Solid work ethic and character
- Notebook/Three-ring Binder to keep notes and work organized
- Pencil and Color pencils/pens for note-taking
- Graphing Paper

Grading Policy (1314):

Homework (50 points – 1 each)
 Participation (50 – 2 each)
 Quizzes (150 points – 10 each)
 Exams (150 points – 50 each)
 Final Exam (100 points)
 Total points: 500

Grading Scale (1314):

450-500 points A
 400-449 points B
 350-399 points C
 300-349 points D
 < 300 points F

The MATH 0314 final grade is at the discretion of the instructor and is only a Pass/Fail grade. If you pass the 0314 portion but fail the 1314 portion, you will be able to enroll in a standalone Math 1314 in future semesters.

****Note: Students must justify answers or show work on all problems to receive full credit.*

Homework

- Homework is to be submitted on Blackboard
- Each homework is due by noon on the day it is due
- Problems must be solved on separate paper and questions must be written out along with solutions
- Submission link will close at 12:00 pm and will not be reopened (so be sure to give yourself enough time to account for any possible technological problems)
- Must be submitted as **1 PDF** with questions in order and pages oriented upright
- Any homework not following the above requirements will not be taken into consideration
- IH = Ideas homework includes questions over the ideas of topics, each IH covers at least one topic and is half of the homework grade that the IH is submitted with.

Participation

- Notes over lecture videos watched on off days.
- Must be submitted as **1 PDF** with the same requirements as homework
- Must be submitted to blackboard by 11:59 pm

Quizzes

- Taken in-class in the allotted time
- No materials allowed during quizzes
- Quiz reflections are due by noon the day after they are returned to you

Tests

- 3 midterm exams and 1 required final exam
- No materials will be allowed on ANY exam
- Complete in the allotted class time
- No exam grades will be dropped.
- It is in your best interest to save ALL graded documents until your final grade is assigned at the end of the term.
- **Reviews are not required to be turned in. However, you will get an extra 5% on the exam if you complete it and turn it in on the exam date.**

Final Exam

- The final exam is comprehensive.
- Any student who does not take the final exam will fail the classes with F's regardless of the student's average.
- No make-up final exam will be offered.
- The final exam will be held on **Thursday, December 12th** from **10:15 am to 12:15 pm**
- More details will be shared on Blackboard near the end of the term.

Late work

- Exams cannot be taken early or late. You must take exams in the classroom at the assigned testing time. (Unless appropriate documentation is provided to allow you to take exams elsewhere)

Make-up

- This section refers to any missed/un-attempted and/or failed assignments
- Make-up work is given at the discretion of the instructor.
- NO make-up assignments are given without prior notification AND proper documentation for the Absence/reason.
- If you are absent from class, have given prior notification and proper documentation of your absence, you **MUST** make arrangements to take the exam **BEFORE** the next class period.
- If you have proper documentation, you will be allowed to turn in the homework the next class day (NO LATER)

Attendance Policy

- Students are expected to attend **at least** eighty percent (80%) of the total class meetings (24 classes) **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.
- Unless given specific permission, students are expected to be in the class room and on time for class each class day.

Academic Integrity

- Any student involved in cheating will receive a zero on the assignment(s) and will be informed of why he/she received a zero.
- Student may be administratively dropped from the class and will receive an X or F.

Calculators

- No calculators will be allowed

Class Rules:

- Be on time and ready to learn.
- Use only pencil for all assignments.
- **Students are not permitted to use electronic devices in class.**
- During testing, all cell phones should be placed on SILENT or turned off, and all smart watches need to be removed and placed on the floor face-down to the left of your seat.
- Any student who leaves the classroom for any reason (bathroom, phone call, etc.) during an exam will not be allowed to continue the exam upon their return. Once you leave the classroom during an exam, you are done.
- Adhere to the requirements of the Student Code of Conduct.

Email Policy: All students at South Plains College are assigned a standardized SPC e-mail account. Although personal email addresses will continue to be collected, the assigned SPC e-mail account will be used as the official channel of communication for South Plains College. The Student Correspondence Policy can be found at www.southplainscollege.edu. To access the SPC student e-mail account, log in to portal.office.com. (Copied from SPC Student Guide) Since all students have an assigned SPC email, the instructor will only acknowledge, respond, and send emails to your assigned SPC email. This ensures all correspondence from the instructor is received by the intended recipient.

Blackboard: Blackboard is the online course management system that will be utilized for this course. This course is supplemented online, so all access to course information and your instructor is through the Internet. This course syllabus, as well as all course materials can be accessed through Blackboard. Login at <https://southplainscollege.blackboard.com/>. The user name and password should be the same as the MySPC and SPC email.

User name: first initial, last name, and last 4 digits of the Student ID

Password: Original CampusConnect Pin No. (found on SPC acceptance letter)

Questions regarding Blackboard support may be emailed to blackboard@southplainscollege.edu or by telephone to 806-716-2180.

SPC Tutors

Tutoring is FREE for all currently enrolled students. Make an appointment or drop-in for help at any SPC location or online! Visit the link below to learn more about how to book an appointment, view the tutoring schedule, and view tutoring locations.

<http://www.southplainscollege.edu/exploreprograms/artsandsciences/teacheredtutoring.php>

For questions regarding tutoring, please email tutoring@southplainscollege.edu or call 806-716-2538.

COVID Response: South Plains College policies, return to campus plan, and protocols regarding COVID-19 can be found here: [COVID Response \(southplainscollege.edu\)](https://www.southplainscollege.edu/covid-response)

You can find all topics covered and the order they will be covered in below in the course calendar. I would HIGHLY recommend printing out this Syllabus so that you can refer back to it to see due dates and expectations.

South Plains College
Common Course Syllabus: MATH 0314
Revised July 2023

Department: Mathematics, Engineering, and Computer Science

Discipline: Mathematics

Course Number: MATH 0314/1314 Corequisite

Course Title: College Algebra Support Course

Available Formats: conventional, hybrid, and internet

Campuses: Levelland, Downtown Center, and Plainview Center

Math 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.

Math 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 TSIA1, minimum diagnostic score of 3 on the TSIA2, a successful completion with a grade of 'C' or better in MATH 0315, or a successful completion of NCBM-0105.

Credit: 6 **Lecture:** 6 **Lab:** 0

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

YOU DO NOT NEED TO PURCHASE THIS TEXTBOOK FOR THIS SECTION

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

This course partially satisfies a Core Curriculum Requirement: None

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 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 can not 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.

Student Code of Conduct Policy: Any successful learning experience requires mutual respect from the student and the instructor. Neither the instructor nor the student should be subject to others' rude, disruptive, intimidating, aggressive, or demeaning behavior. 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.

For information regarding official South Plains College statements about intellectual exchange, disabilities, non-discrimination, Title IX Pregnancy Accommodations, CARE Team, and Campus Concealed Carry, please visit <https://www.southplainscollege.edu/syllabusstatements/>.

South Plains College policies, return to campus plan, and protocols regarding COVID-19 can be found here: <https://www.southplainscollege.edu/emergency/covid19-faq.php>.

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.

Tentative Calendar for Math 0314/1314 Fall 2024						
Week	Day	Date	Topic	Homework #	Work Due	
1	Monday	Aug. 26	NONE			
	Tuesday	Aug. 27	Syllabus and Introductions			
	Wednesday	Aug. 28	Integers	HW 1	P1	
	Thursday	Aug. 29	Quiz 0 Fractions	HW 2	HW 1	
2	Monday	Sep. 2	Order of Operations	HW 3	HW 2 P2	
	Tuesday	Sep. 3	Quiz 1 Laws of Exponents	HW 4	HW 3	
	Wednesday	Sep. 4	Radicals	HW 5	HW 4 P3	
	Thursday	Sep. 5	Complex Numbers	HW 6 IH 1	HW 5	
3	Monday	Sep. 9	Linear Equations	HW 7 IH 2	HW 6 IH 1 P4	
	Tuesday	Sep. 10	Quiz 2 Linear Inequalities	HW 8	HW 7 IH 2	
	Wednesday	Sep. 11	Absolute Value Equations	HW 9	HW 8 P5	
	Thursday	Sep. 12	Absolute Value Inequalities	HW 10	HW 9	
4	Monday	Sep. 16	Polynomials Part 1	HW 11	HW 10 P6	
	Tuesday	Sep. 17	Quiz 3 Polynomials Part 2	HW 12	HW 11	
	Wednesday	Sep. 18	Factoring Part 1	HW 13	HW 12 P7	
	Thursday	Sep. 19	Quiz 4 Factoring Part 2	HW 14	HW 13	
5	Monday	Sep. 23	Exam 1 Review			HW 14 P8
	Tuesday	Sep. 24	Exam 1			
	Wednesday	Sep. 25	Quadratic Equations	HW 15 IH 3	NONE P9	
	Thursday	Sep. 26	Quadratic Formula Square-Root Property	HW 16 HW 17	HW 15	
HW = Homework P = Participation						

6	Monday	Sep. 30	Completing the Square	HW 18	HW 16 HW 17 P10
	Tuesday	Oct. 1	Quiz 5 U-Substitution	HW 19	HW 18
	Wednesday	Oct. 2	Rational Expressions Part 1	HW 20 IH 4	HW 19 P11 IH 3
	Thursday	Oct. 3	Rational Expressions Part 2	HW 21	HW 20
7	Monday	Oct. 7	Rational Equations	HW 22	HW 21 P12
	Tuesday	Oct. 8	Quiz 6 Introduction to Functions	HW 23 IH 5	HW 22 IH 4
	Wednesday	Oct. 9	Library of Functions	HW 24	HW 23 IH5 P13
	Thursday	Oct. 10	Evaluating Functions Operations with Functions	HW 25 HW 26 IH 6	HW 24
8	Monday	Oct. 14	Inverse Functions	HW 27	HW 25 HW 26 P14
	Tuesday	Oct. 15	Quiz 7 Transformation of Functions	HW 28	HW 27
	Wednesday	Oct. 16	Linear Functions	HW 29	HW 28 IH 6 P15
	Thursday	Oct. 17	Point-Slope Equation	HW 30	HW 29
9	Monday	Oct. 21	Parallel and Perpendicular Lines	HW 31	HW 30 P16
	Tuesday	Oct. 22	Quiz 8 Quadratic Functions	HW 32 IH 7	HW 31
	Wednesday	Oct. 23	Circles	HW 33 IH 8	HW 32 IH 7 P17
	Thursday	Oct. 24	Quiz 9 Synthetic Division	HW 34 IH 9	HW 33 IH 8

10	Monday	Oct. 28	Exam 2 Review	HW 34	
	Tuesday	Oct. 29	Exam 2		
	Wednesday	Oct. 30	Roots of Polynomials	HW 35 NONE P18	
	Thursday	Oct. 31	Polynomial Equations	HW 36 HW 35	
11	Monday	Nov. 4	Polynomial Functions	HW 37 HW 36 P19	
	Tuesday	Nov. 5	Quiz 10 Rational Functions	HW 38 IH 10 HW 37 IH 9	
	Wednesday	Nov. 6	Polynomial and Rational Inequalities	HW 39 HW 38 P20	
	Thursday	Nov. 7	Radical Equations	HW 40 IH 11 HW 39 IH 10	
12	Monday	Nov. 11	Exponential Functions Logarithmic Functions	HW 41 IH 12 HW 40 IH 11 P21	
	Tuesday	Nov. 12	Quiz 11 Properties of Logarithms	HW 42 HW 41	
	Wednesday	Nov. 13	Expanding and Condensing Logarithms	HW 43 HW 42 IH 12 P22	
	Thursday	Nov. 14	Quiz 12 Exponential Equations	HW 44 IH 13 HW 43	
13	Monday	Nov. 18	Logarithmic Equations	HW 45 HW 44 P23	
	Tuesday	Nov. 19	Quiz 13 Compound Interest	HW 46 HW 45	
	Wednesday	Nov. 20	Systems of Equations Part 1	HW 47 IH 14 HW 46 IH 13 P24	
	Thursday	Nov. 21	Quiz 14 Systems of Equations Part 2	HW 48 HW 47	
14	Monday	Nov. 25	Exam 3 Review	HW 48 IH 14	
	Tuesday	Nov. 26	Exam 3		
	Wednesday	Nov. 27	  		
	Thursday	Nov. 28	  		

15	Monday	Dec. 2	Non-Linear Systems of Equations	HW 49 IH 15	NONE P25
	Tuesday	Dec. 3	Quiz 15 Systems of Inequalities	HW 50 IH 16	HW 49 IH 15
	Wednesday	Dec. 4	Cramers Rule Part 1	HW 51 IH 17	HW 50 IH 16 P26
	Thursday	Dec. 5	Cramers Rule Part 2	HW 52	HW 51
	Friday	Dec. 6	HW 52 ; IH 17 ; Final Exam Review		
Final Exam			Thursday, December 12th : 10:15 am – 12:15 pm		

Last day to drop – December 2nd