

Math 0314/1314.C005 College Algebra (Corequisite)
Tuesday and Thursdays 1pm – 2:45 pm – Break – 3 pm – 4:45 pm
Fall 2023 Room – M126

Instructor: Ms. Rachel Fleenor
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Office: M102
Office Phone: 806-716-4321

Office Hours: MW 9:30am – 10:30am
 TRF 10am – 12pm
 (or by appointment)

Course Structure

- Conventional course
 - Content will be covered in class
 - Homework will be assigned at least once a week
 - Assessments, such as quizzes and exams, will all be done in class.
 - All students are expected to be physically in class unless given explicit permission to be virtual.

Textbook

- No book necessary for this section.

Course Requirements/Materials

- Attend all classes with notes (where applicable) and homework done in advance.
- All graded assessments assigned in class are expected to be completed in the allotted class time, unless otherwise instructed by the instructor.
- Reliable internet access
- Printer (for notes), but notes can be done electronically (tablet/iPad) as long as they are written by hand
- Smart phone and/or scanner to turn a written document into a PDF file
- Solid work ethic and character.

Grading Policy (1314):

Participation (45 points at ~1.5/class)
 Homework (35 points)
 Exams (8 at 40 points each)
 0314 Final Exam (50 points)
 1314 Final Exam (50 points)
 Total points: 500

Grading Scale (1314):

448-500 points A
 398-447 points B
 348-397 points C
 298-347 points D
 < 298 points F

The MATH 0314 final grade is at the discretion of the instructor and is only a Pass/Fail grade.

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

Class Notes

- Found on Blackboard under Course Content.
- Should be completed by each student during class
- Bring all notes to class each day (2-3 inch binder or large notebook recommended)
- Upload completed notes to Gradescope before the end of the week (i.e before Friday at 11:59pm: see course calendar)
 - This is part of the daily participation grade.

Lecture Videos (When applicable)

- Found on Blackboard under Course Content.
- Watch and fill in the notes, pausing often to allow for cognitive processing time.
- Organize any questions to bring to class the next day.

Homework

- Written assignments
- Submitted on Gradescope by due date indicated on course calendar at the end of this syllabus.
- All work should be shown on your own paper.
- Problems must be in proper order on paper.
- Must use pencil.
- Must be done by hand (no typing).
- Show all work!!
- Must be your own work!
- NO LATE WORK will be accepted. However, with the understanding that life happens, I will end up dropping your three lowest homework grades.
- Solutions will be posted on Blackboard after the due date
- Using PhotoMath (or similar) is strictly prohibited and will result in academic dishonesty reports being submitted to your permanent record.
- Using ChatGPT on any assignment in this class is strictly prohibited.

Tests

- 8 midterm exams and 2 required final exams
- No notes/homework/textbooks 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.
- Exams may be comprehensive.

Final Exam

- The 1314 final exam is comprehensive.
- The 0314 final exam will cover only developmental material.
- Any student who does not take the final exams will fail the classes with F's regardless of the student's average.
- No make-up final exams will be offered.
- The Math 0314 final exam will be held on **Tuesday, Dec. 12th** from **1pm to 3pm**.
- The Math 1324 final exam will be held on **Thursday, Dec. 14th** from **10:15am to 12:15pm**.
- More details will be shared on Blackboard near the end of the term.

Late work

- If you submit your notes late, you will receive 25% off your daily grade.
- Exams cannot be taken early or late. You must take exams in the classroom at the assigned testing time.

Make-up

- 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.
- If you are absent from class, have given prior notification and proper documentation of your absence, you MUST make arrangements to take the quiz or exam BEFORE the next class period.

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.
- There are no excused absences, even with a doctor's note.
- Tardy
 - More than 10 minutes late
 - 25% of participation grade that day will be deducted
- Every 3 tardies count as 1 absence.

Participation Grade

- Daily participation grade.
- This grade is 50% attendance to/participation in class and the remaining 50% is awarded for filling in and uploading the lecture notes to Gradescope each week.
 - Completed lecture notes should be uploaded to Gradescope.
 - Failure to upload the completed notes will result in up to 25% of the participation grade that day being deducted.
- To receive full credit for the Attendance/Participation in Class portion of this daily grade, students must:
 - Be on time to class
 - Not leave class early
 - Not leave class for an extended period of time, as deemed by the instructor.
 - Stay awake during class
 - Not be on a cell phone or other mobile device during class
 - Participate in classroom discussions
 - Come prepared for class with notes/homework/review in hand.
- In the event you are absent during class, you will get 0 pts for the Attendance/Promptness portion of this grade for that day.

Submitting Documents Online (Gradescope)

- Download the Gradescope app onto your smart phone.
 - Log-in with your SPC credentials, just like you log into Blackboard.
- Students will be required to upload written work to Gradescope (notes, possibly homework).
- This is expected to be done clearly and legibly.
- After uploading your work, Gradescope will provide you an opportunity to indicate which problems are on which pages of your work. Please be sure you take the time to assign the problems to certain pages.

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. **Put the cell phones away!!**
 - 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.

- ***If you are joining the class through virtual means, please keep your microphone on mute until you have a question.***

Virtual Students

- Stay active and attentive during the entire class.
- Camera on and positioned in such a way as to allow the camera to catch both your face and your workspace.
- Keep your camera on until you have explicit permission from your instructor to turn it off.
- Students are expected to follow the same testing/quizzes rules as any student in class.
- If you leave the view of the camera during an assessment without explicit permission from the instructor, you will be given a 0 on the assessment.
- Keep chat windows open during assessments as a way for the instructor to communicate (quietly) with you.
 - If the student does not keep their chat window visible to themselves during assessments and misses a message from the instructor, 15% credit may be deducted from that assignment's score.
- If you break any of the rules listed above, you will receive a 0 on the assessment.
- Students who are virtual for an assessment have been given explicit permission by the instructor to take the assessment in this format. If you are not given this permission, you are expected to be in class for each and every assessment (quizzes and tests). Instructor permission is not given lightly nor liberally and the decision to allow a student to work virtually is entirely at the instructor's discretion.

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

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: 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

YOU DO NOT NEED TO PURCHASE A BOOK FOR THIS COURSE

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 2023					
Week	Day	Date	Topic	Homework Assigned	Homework Due
1	Tuesday 1pm – 2:45pm	Aug 29	Syllabus and Introduction/Integers, Fractions, Multiplication, and Division	HW P1	None
	Tuesday 3pm– 4:45 pm		Fraction addition and Subtraction, Order of Operations	HW P2	
	Wednesday	Aug 30	HW P1 due by 11:59 pm		
	Thursday 1pm – 2:45pm	Aug 31	Solving Linear and Absolute Value Equations	HW 1	HW P2
	Thursday 3pm – 4:45pm		Solving Linear and Absolute Value Inequalities	HW 2	
	Friday	Sept 1	HW 1 due by 11:59 pm		
WEEK 1 NOTES MUST BE SUBMITTED BY 11:59 pm					
2	Monday	Sept 4	Labor Day Holiday		
	Tuesday 1pm – 2:45pm	Sept 5	Polynomials: Exponent Rules	HW 3	HW 2
	Tuesday 3pm – 4:45pm		Polynomials: Add, Subtract, and Multiply Factoring: GCF, Trinomials with a Coefficient of 1	HW 4 Factoring Practice Flowchart/Tips	
	Wednesday	Sept 6	HW 3 due by 11:59 pm		
	Thursday 1pm – 2:45pm	Sept 7	Factoring: Trinomials, Grouping and Special Products	HW 5	HW 4
	Thursday 3pm – 4:45pm		Summary of Factoring/ Solving by Factoring	HW 6	
	Friday	Sept 8	HW 5 due by 11:59 p.m		
WEEK 2 NOTES MUST BE SUBMITTED BY 11:59 pm					
3	Tuesday 1pm – 2:45pm	Sept 12	Review 1		HW 6
	Tuesday 3pm – 4:45pm		Exam 1		
	Thursday 1pm – 2:45pm	Sept 14	Multiply and Divide Rational Expressions	HW 7	None
	Thursday 3pm – 4:45pm		Add and Subtract Rational Expressions	HW 8	
	Friday	Sept 15	HW 7 due by 11:59 pm		
WEEK 3 NOTES MUST BE SUBMITTED BY 11:59 pm					
4	Tuesday 1pm – 2:45pm	Sept 19	Multiply, Divide, Add, and Subtract Rational Expressions	HW 9	HW 8
	Tuesday 3pm – 4:45pm		Solving Rational Equations	HW 10	
	Wednesday	Sept 20	HW 9 due by 11:59 pm		
	Thursday 1pm – 2:45pm	Sept 21	Simplifying Radicals/Rational Exponents	HW 11	HW 10
	Thursday 3pm – 4:45pm		Add, Subtract, and Multiply Radicals	HW 12	
	Friday	Sept 22	HW 11 due by 11:59 pm		
WEEK 4 NOTES MUST BE SUBMITTED BY 11:59 pm					

Tentative Calendar for Math 0314/1314 Fall 2023

Week	Day	Date	Topic	Homework Assigned	Homework Due
5	Tuesday 1pm – 2:45pm	Sept 26	Review 2	None	HW 12
	Tuesday 3pm – 4:45pm		Exam 2		
	Thursday 1pm – 2:45pm	Sept 28	Rationalizing Radical Expressions and The Complex Number System Part I	HW 13	None
	Thursday 3pm – 4:45pm		The Complex Number System Part II and Solving Radical Equations	HW 14 and HW 15	
	Friday	Sept 29	HW 13 due by 11:59 pm		
WEEK 5 NOTES MUST BE SUBMITTED BY 11:59 pm					
6	Tuesday 1pm – 2:45pm	Oct 3	Review 3		HW 14
	Tuesday 3pm – 4:45pm		Exam 3		
	Wednesday	Oct 4	HW 15 due by 11:59 pm		
	Thursday 1pm – 2:45pm	Oct 5	Functions Part 1	HW 16	None
	Thursday 3pm – 4:45 pm		Functions Part 2	HW 17	
	Friday	Oct 6	HW 16 due by 11:59 pm		
WEEK 6 NOTES MUST BE SUBMITTED BY 11:59 pm					
97	Tuesday 1pm – 2:45pm	Oct 10	Functions Operations, Compositions and Inverses	HW 18	HW 17
	Tuesday 3pm – 4:45pm		Linear Functions: Slope and Graphing/Begin Review 4	HW 19	
	Wednesday	Oct 11	HW 18 due by 11:59 pm		
	Thursday 1pm – 2:45pm	Oct 12	Linear Functions: Equations, Parallel and Perpendicular Lines/Complete Review 4	HW 20 (if not completed)	HW 19
	Thursday 3pm – 4:45pm		Work on HW 20 as a class		
	Friday	Oct 13	HW 20 due by 11:59 pm		
WEEK 7 NOTES MUST BE SUBMITTED BY 11:59 pm					
8	Tuesday 1pm – 2:45pm	Oct 17	Exam 4		
	Tuesday 3pm – 4:45pm				
	Thursday 1pm – 2:45pm	Oct 19	Solving Quadratics by Factoring and the Square Root Property	HW 21	None
	Thursday 3pm – 4:45pm		Solving Quadratics by Completing the Square and the Quadratic Formula	HW 22	
	Friday	Oct 20	Fall Break – no office hours		
WEEK 8 NOTES MUST BE SUBMITTED BY 11:59 pm					

Tentative Calendar for Math 0314/1314 Fall 2023

Week	Day	Date	Topic	Homework Assigned	Homework Due
9	Tuesday 1pm – 2:45pm	Oct 24	Graphing Quadratics	HW 23	HW 21
	Tuesday 3pm – 4:45pm		Distance, Midpoint, and Circles	HW 24	
	Wednesday	Oct 25	HW 22 due by 11:59 pm		
	Thursday 1pm – 2:45pm	Oct 26	Review 5		HW 23
	Thursday 3pm – 4:45pm		Exam 5		
	Friday	Oct 27	HW 24 due by 11:59 pm		
WEEK 9 NOTES MUST BE SUBMITTED BY 11:59 pm					
10	Tuesday 1pm – 2:45pm	Oct 31	Long Division and Synthetic Division	HW 25	None
	Tuesday 3pm – 4:45pm		Roots of Polynomials	HW 26	
	Thursday 1pm – 2:45pm	Nov 2	Graphing Polynomials	HW 27	HW 25
	Thursday 3pm – 4:45pm		Rational Functions	HW 28	
	Friday	Nov 3	HW 26 due by 11:59 pm		
	WEEK 10 NOTES MUST BE SUBMITTED BY 11:59 pm				
11	Tuesday 1pm – 2:45pm	Nov 7	Polynomial and Rational Inequalities	HW 29	HW 27
	Tuesday 3pm – 4:45pm		Exponential and Logarithmic Functions	HW 30	
	Wednesday	Nov 8	HW 28 due by 11:59 pm		
	Thursday 1pm – 2:45pm	Nov 9	Review 6		HW 29
	Thursday 3pm – 4:45pm		Exam 6		
	Friday	Nov 10	HW 30 due by 11:59 pm		
WEEK 11 NOTES MUST BE SUBMITTED BY 11:59 pm					
12	Tuesday 1pm – 2:45pm	Nov 14	Properties of Logarithms and Compound Interest	HW 31	None
	Tuesday 3pm – 4:45pm		Solving Exponential Equations	HW 32	
	Thursday 1pm – 2:45pm	Nov 16	Solving Logarithmic Equations	HW 33	HW 31
	Thursday 3pm – 4:45pm		Review 7		
	Friday	Nov 17	HW 32 due by 11:59 pm		
	WEEK 12 NOTES MUST BE SUBMITTED BY 11:59 pm				

Tentative Calendar for Math 0314/1314 Fall 2023					
Week	Day	Date	Topic	Homework Assigned	Homework Due
13	Tuesday 1pm – 2:45pm	Nov 21	Exam 7	None	HW 33
	Tuesday 3pm – 4:45pm		2x2 and 3x3 Systems	HW 34	
	Wednesday	Nov 22	HW 34 due by 11:59 pm		
			WEEK 13 NOTES MUST BE SUBMITTED BY 11:59 pm		
<i>Thanksgiving Break – No classes</i>					
14	Monday	Nov 27	Watch video lecture over Non-Linear Systems	HW 35	None
	Tuesday 1pm – 2:45pm	Nov 28	Systems of Inequalities	HW 36	HW 35
	Tuesday 3pm – 4:45pm		Matrix Methods	HW 37	
	Wednesday	Nov 29	HW 36 due by 11:59 pm		
	Thursday 1pm – 2:45pm	Nov 30	Review 8		HW 37
	Thursday 3pm – 4:45pm		Exam 8		
	Friday	Dec 1	HW 36 due by 11:59		
WEEK 14 NOTES MUST BE SUBMITTED BY 11:59 pm					
15	Tuesday 1pm – 2:45pm	Dec 5	COMPREHENSIVE FINAL REVIEW	None	HW 37
	Tuesday 3pm – 4:45pm				
	Thursday 1pm – 2:45pm	Dec 7	COMPREHENSIVE FINAL REVIEW	None	None
	Thursday 3pm - 4:45pm				
Tuesday	Dec 12	Math 0314 Final Exam 1pm – 3pm			
Thursday	Dec 14	Math 1314 Final Exam 10:15am – 12:15pm			

Last day to drop – Nov. 30th