

Math 1314.613 College Algebra
Tuesdays 5:20 pm – 6:55 pm
Spring 2024 – SPC Downtown Center B011

Instructor: Ms. Rachel Fleenor

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Office: M102

Office Phone: 806-716-4321

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

MW – 6:00pm – 7:00pm (LBK B001)

T – 7:00 pm - 8:00 pm (LBK B001)

F – 10:00 am – 11:00 am

(or by appointment)

Course Structure

- Flipped
 - Content will be covered in lecture videos (expected to be watched BEFORE class)
 - Homework will be assigned (~1 per video)
 - Exams will be taken in class
 - All students are expected to be physically in class
 - In-Class we will go over any clarifying questions students may have and homework

Textbook

- No book is required for this section

Course Requirements/Materials

- Attend all classes with videos watched in advance
- Solid work ethic and character – must be a self-sufficient worker
- Pencil and Colored Pencils/Pens
- Binder/Notebook (both for best organization)
- Graphing Paper (HIGHLY suggested for homework and notes)
- Smart phone and/or scanner to turn a written document into a PDF file – REQUIRED for homeworks

Grading Policy (1314):

Homework (100 points – 2 each)

Exams (300 points – 75 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

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

Class Notes

- Completed Versions can be found on Blackboard under Course Content with each video

Lecture Videos

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

Homework

- Written assignments
- All work should be submitted on blackboard by midnight on the day it is due
- All work should be shown on your own paper
- Problems must be in proper order on paper
- Must use pencil (electronically written (NOT TYPED) work is also acceptable)
- Must be done by hand (no typing).

- Show all work
- Must be your own work
- NO LATE WORK will be accepted
- Using PhotoMath (or similar) is strictly prohibited and will result in academic dishonestly reports being submitted to your permanent record.
- Using ChatGPT or any type of artificial intelligence assistance on any assignment in this class is strictly prohibited.

Tests

- 4 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 2 points on the exam if you complete it and turn it in on the exam date. (The 2 points will apply to the score out of 40)**

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 **Tuesday, May 7th** from **5 pm to 7 pm**
- More details will be shared on Blackboard near the end of the term

Late work

- No Late Homework will be accepted. After due date has passed, you will no longer be able to submit a file on blackboard
- 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

- 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 exam **BEFORE** the next class period
- If you have proper documentation, you will be allowed to email the homework to the instructor no more than 2 days after sickness

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. **Put the cell phones away!!**
- During testing, all electronics should be put on SILENT or turned off and placed in your bag
- All bags are to be left at the front of the classroom during test time
- 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, your exam will be picked up and graded as is.
- 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>

Tutor.com

You also have 180 FREE minutes of tutoring with Tutor.com each week, and your hours reset every Monday morning. Log into Blackboard, click on the tools option from the left-hand menu bar. Click on the Tutor.com link and you will automatically be logged in for free tutoring. You may access tutor.com tutors during the following times:

Monday – Thursday: 8pm-8am

6pm Friday – 8am Monday morning

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://southplainscollege.edu/COVID-Response)

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

On Tuesdays, we will cover the homework over the previous Wednesday's content. Thursdays, there will be a lecture video reviewing the homeworks over the previous Monday's content. There will be an option of doing Thursday's homework review in-person at the Lubbock Downtown Center. This is not required for any student, but simply an option for those of you who find in-person learning more beneficial.

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 Assigned	Homework Due	
1	Monday	Jan. 15	Martin Luther King Jr. Day			
	Tuesday	Jan. 16	Syllabus and Introductions			
	Wednesday	Jan. 17	Linear Equations Modeling with Linear Equations	HW 1 HW 2	NONE	
	Thursday	Jan. 18	NONE			
2	Monday	Jan. 22	Systems of Linear Equations Part 1 Systems of Linear Equations Part 2	HW 3 HW 4	NONE	
	Tuesday	Jan. 23	In-Person Class			HW 1 HW 2
	Wednesday	Jan. 24	Introduction to Matrices Gause-Jordan Elimination	HW 5 HW 6	NONE	
	Thursday	Jan. 25	In-Personal (optional) Homework Lecture Video (required)			HW 3 HW 4
3	Monday	Jan. 29	Cramers Rule Part 1 Cramers Rule Part 2	HW 7 HW 8	NONE	
	Tuesday	Jan. 30	In-Person Class			HW 5 HW 6
	Wednesday	Jan. 31	Linear Inequalities – One Variable Linear Inequalities – Two Variable	HW 9 HW 10	NONE	
	Thursday	Feb. 1	Exam 1 Review In-Person (optional) Homework Review Video (required)	Exam 1 Review	HW 7 HW 8	
4	Monday	Feb. 5	NONE			
	Tuesday	Feb. 6	Exam 1			HW 9 HW 10 Exam 1 Review
	Wednesday	Feb. 7	Absolute Value Equations Absolute Value Inequalities	HW 11 HW 12	NONE	
	Thursday	Feb. 8	NONE			
5	Monday	Feb. 12	Introduction to Functions Library of Functions	HW 13 HW 14	NONE	
	Tuesday	Feb. 13	In-Person Class			HW 11 HW 12
	Wednesday	Feb. 14	Composite Functions Operations on Functions	HW 15 HW 16	NONE	
	Thursday	Feb. 15	In-Person (optional) Homework Review Video (required)			HW 13 HW 14

6	Monday	Feb. 19	Inverse Functions Transformations of Functions	HW 17 HW 18	NONE
	Tuesday	Feb. 20	In-Person Class		HW 15 HW 16
	Wednesday	Feb. 21	The Binomial Theorem Complex Numbers	HW 19 HW 20	NONE
	Thursday	Feb. 22	In-Person (optional) Homework Review Video (required)		HW 17 HW 18
7	Monday	Feb. 26	Quadratic Equations – Factoring- Part 1 Quadratic Equations – Factoring Part 2	HW 21 HW 22	NONE
	Tuesday	Feb. 27	In-Person Class		HW 19 HW 20
	Wednesday	Feb. 28	Quadratic Equations – Factoring Part 3 Quadratic Equation – Quadratic Formula	HW 23 HW 24	NONE
	Thursday	Feb. 29	Exam 2 Review In-Person (optional) Homework Review Video (required)	Exam 2 Review	HW 21 HW 22
8	Monday	Mar. 4	Quadratic Equations – Square Root Property	HW 25	NONE
	Tuesday	Mar. 5	EXAM 2		HW 22 HW 23 Exam 2 Review
	Wednesday	Mar. 6	Quadratic Equations – Completing the Square Quadratic Equations – U-substitution	HW 26 HW 27	NONE
	Thursday	Mar. 7	In-Person (optional) Homework Review Video (required)		HW 25
9	March 11 - 15		SPRING BREAK		
10	Monday	Mar. 18	Quadratic Functions Distance and Midpoints	HW 28 HW 29	NONE
	Tuesday	Mar. 19	In-Person Class		HW 26 HW 27
	Wednesday	Mar. 20	Circles Dividing Polynomials	HW 30 HW 31	NONE
	Thursday	Mar. 21	In-Person (optional) Homework Review Video (required)		HW 28 HW 29

11	Monday	Mar. 25	Synthetic Division Zeros of Polynomial Functions Part 1	HW 32 HW 33	NONE
	Tuesday	Mar. 26	In-Person Class		HW 30 HW 31
	Wednesday	Mar. 27	Zeros of Polynomial Functions Part 2 Polynomial Equations	HW 34 HW 35	NONE
	Thursday	Mar. 28	Exam 3 Review In-Person (optional) Homework Review Video (required)	Exam 3 Review	HW 32 HW 33
12	Monday	Apr. 1	NONE		
	Tuesday	Apr. 2	EXAM 3		HW 34 HW 35 Exam 3 Review
	Wednesday	Apr. 3	Graphing Polynomial Functions Rational Equations Part 1	HW 36 HW 37	NONE
	Thursday	Apr. 4	NONE		
12	Monday	Apr. 8	Rational Equations Part 2 Characteristics of Rational Functions Part 1	HW 38 HW 39	NONE
	Tuesday	Apr. 9	In-Person Class		HW 36 HW 37
	Wednesday	Apr. 10	Characteristics of Rational Functions Part 2 Polynomial and Rational Inequalities	HW 40 HW 41	NONE
	Thursday	Apr. 11	In-Person (optional) Homework Review Video (required)		HW 38 HW 39
14	Monday	Apr. 15	Exponential Functions Logarithmic Functions	HW 42 HW 43	NONE
	Tuesday	Apr. 16	In-Person Class		HW 40 HW 41
	Wednesday	Apr. 17	Properties of Logarithms Expanding and Condensing Logarithms	HW 44 HW 45	NONE
	Thursday	Apr. 18	In-Person (optional) Homework Review Video (required)		HW 42 HW 43
15	Monday	Apr. 22	Exponential Equations Logarithmic Equations	HW 46 HW 47	NONE
	Tuesday	Apr. 23	In-Person Class		HW 44 HW 45
	Wednesday	Apr. 24	Radical Equations Part 1 Radical Equations Part 2	HW 48 HW 49	NONE
	Thursday	Apr. 25	Exam 4 Review In-Person (optional) Homework Review Video (required)	Exam 4 Review	HW 46 HW 47

16	Monday	Apr. 29	NONE		
	Tuesday	Apr. 30	EXAM 4	HW 48 HW 49 Exam 4 Review	
	Wednesday	May 1	Piece-wise Functions Non-linear Inequalities	HW 50 HW 51	NONE
	Thursday	May 2	NONE		
17	Monday	May 6	Non-linear System of Inequalities Partial Fractions	HW 52 HW 53	NONE
	Tuesday	May 7	Final Exam Review Part 1		HW 50 HW 51
	Wednesday	May 8	Final Exam Review Part 2		NONE
	Thursday	May 9	NONE		HW 52 HW 53
Final Exam		Tuesday, May 7th : 5 pm – 7 pm		Final Exam Review	

April 25th – LAST DAY TO DROP