

Math 1314.601 College Algebra
M,T,W,TR 4:00 pm – 5:55 pm
Summer II 2024 – SPC Downtown Center B011

Instructor: Ms. Rachel Fleenor

Email: rfleenor@southplainscollege.edu

Office: Downtown Center B001

Office Phone: 806-716-4321

Office Hours: MTWR – 3:30 pm – 4:00 pm
(or by appointment)

Course Structure

- Flipped
 - Content will be covered in lecture videos (expected to be watched BEFORE class)
 - Students will be required to upload notes over assigned lecture videos BEFORE class
 - Homework will be assigned each class day
 - After day 1, we will have a Quiz each class day
 - Exams will be taken in class
 - All students are expected to be physically in class
 - Worksheets are not required to be turned in, but are necessary for success

Textbook

- No book is required for this section

Course Requirements/Materials

- Attend all classes with lecture 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, notes, and quizzes.

Grading Policy (1314):

Participation (45 points – 3 each)
 Homework (45 points – 3 each)
 Quizzes (135 points – 9 each)
 Mid-Semester Exam (125 points)
 Final Exam (150 points)
 Total points: 500

Grading Scale (1314):

450-500 points A
 400-449 points B
 350-399 points C
 300-349 points D
 < 299 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

Lecture Videos

- Found on Blackboard under corresponding weeks and days
- 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).
- 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.
- Worksheets are a part of homeworks, but are not required to be turned in.

Exams

- 1 midterm exam and 1 required final exam
- No materials will be allowed on ANY exam
- Complete in the allotted class time
- 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 8 points on the exam if you complete it and turn it in BEFORE the exam starts (see calendar for details).**
- 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
- The final exam will be held on **Thursday, August 8th from 4 pm to 5:55 pm**
- No exams can be taken after the date in which the exam is given.

Late work

- No Late Homework will be accepted. After the 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)

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.
- All assignment/quiz submissions should be organized and readable.(no scribbles over pages)
- Students are not permitted to use electronic devices in class.
- During exams, all electronics should be 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. 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 1314
Revised July 2023

Department: Mathematics, Engineering, and Computer Science

Discipline: Mathematics

Course Number: MATH 1314

Course Title: College Algebra

Available Formats: conventional, hybrid, internet, and ITV

Campuses: Levelland, Downtown Center, Plainview Center, and Dual Credit

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 350 on the TSIA1, minimum score of 950 on the TSIA2, a diagnostic score of 6 on the TSIA2, TSI-exempt status, a successful completion with a grade of 'C' or better in MATH 0320, or successful completion of NCBM-0114.

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

Textbook: *No Textbook Required.*

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

This course partially satisfies a Core Curriculum Requirement: Mathematics Foundational Component Area (020)

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 1314 Summer II 2024

Week	Day	Date	Topic	Assigned	Due
1	Monday	July 8 th	Linear Equations Modeling with Linear Equations	HW 1	Quiz 1
	Tuesday	July 9 th	Systems of Linear Equations (Two Variable) Systems of Linear Equations (Three Variable)	HW 2	Quiz 2 HW 1
	Wednesday	July 10 th	Introduction to Matrices Gauss-Jordan Elimination	HW 3	Quiz 3 HW 2
	Thursday	July 11 th	Cramers Rule (Two Variables) Cramers Rule (Three Variables)	HW 4	Quiz 4 HW 3
2	Monday	July 15 th	Linear Inequalities (One & Two Variable) Absolute Value Equations + Inequalities	HW 5	Quiz 5 HW 4
	Tuesday	July 16 th	Introduction to Functions Library of Functions	HW 6	Quiz 6 HW 5
	Wednesday	July 17 th	Operations on Functions Inverse Functions Transformation of Functions	HW 7	Quiz 7 HW 6
	Thursday	July 18 th	The Binomial Theorem Complex Numbers	HW 8	Quiz 8 HW 7
	Friday	July 19 th	Mid-semester Exam Review (HW 1-7)		
3	Monday	July 22 nd	Mid-Semester Exam (Exam Review due @3:30 pm)		
	Tuesday	July 23 rd	Quadratic Equations Quadratic Functions	HW 9	Quiz 9 HW 8
	Wednesday	July 24 th	Distance and Midpoint Circles Dividing Polynomials	HW 10	Quiz 10 HW 9
	Thursday	July 25 th	Synthetic Division Roots of Polynomial Functions Polynomial Equations Graphing Polynomial Functions	HW 11	Quiz 11 HW 10
4	Monday	July 29 th	Rational Expressions (Adding/Subtracting) Rational Expressions (Multiplying/Dividing) Rational Equations	HW 12	Quiz 12 HW 11
	Tuesday	July 30 th	Rational Functions Polynomial and Rational Inequalities	HW 13	Quiz 13 HW 12
	Wednesday	July 31 st	Exponential Functions Logarithmic Functions Properties of Logarithms	HW 14	Quiz 14 HW 13
	Thursday	Aug. 1 st	Expanding and Condensing Logarithms Exponential Equations Logarithmic Equations	HW 15	Quiz 15 HW 14

5	Monday	Aug. 5 th	Radical Equations Non-linear Systems of Equations	HW 16	Quiz 16 HW 15
	Tuesday	Aug. 6 th	Non-linear System of Inequalities Partial Fractions Decomposition	HW 17	Quiz 17 HW 16
	Wednesday	Aug. 7 th	Final Exam Review (Comprehensive)		Quiz 18 HW 17
Final Exam		Thursday, August 8th : 4:00 pm – 5:55 pm			

July 31st – last day to drop