Math 0314/1314.C002 College Algebra (Corequisite)
Monday through Thursday 1pm – 2:45 pm
Spring 2024 – M122

Instructor: Ms. Rachel Fleenor
Email: rfleenor@southplainscollege.edu
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
- Conventional course
  - Content will be covered in class
  - Homework will be assigned at least one per class
  - Exams, will all be done 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
- All graded assessments assigned in class are expected to be completed in the allotted class time, unless otherwise instructed by the instructor.
- 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 homework organized
- Pencil and Color pencils/pens for note-taking
- Graphing Paper

Grading Policy (1314):
Homework (100 points – 2 each)
Exams (300 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.

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

Lecture Videos (When applicable: Often only used if instructor is sick, or unable to teach in-person)
- 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 handed to instructor in-class 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 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
- 6 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 **Thursday, May 9th** from **10:15 am to 12:15 pm**
- More details will be shared on Blackboard near the end of the term.

Late work
- No Late Homework will be accepted. If you give me a homework after it is due, I will hand it back to you.
- 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 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

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)

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 <u>may</u> 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 Integers	HW 1	**NONE**
	Wednesday	Jan. 17	Fractions	HW 2	**NONE**
	Thursday	Jan. 18	Order of Operations	HW 3	**HW 1**
2	Monday	Jan. 22	Laws of Exponents	HW 4	**HW 2**
	Tuesday	Jan. 23	Radicals	HW 5	**HW 3**
	Wednesday	Jan. 24	Complex Numbers	HW 6	**HW 4**
	Thursday	Jan. 25	Linear Equations	HW 7	**HW 5**
3	Monday	Jan. 29	Linear Inequalities	HW 8	**HW 6**
	Tuesday	Jan. 30	Absolute Value Equations	HW 9	**HW 7**
	Wednesday	Jan. 31	Absolute Value Inequalities	HW 10	**HW 8**
	Thursday	Feb. 1	Polynomials Part 1	HW 11	**HW 9**
4	Monday	Feb. 5	Polynomial Part 2	HW 12	**HW 10**
	Tuesday	Feb. 6	Factoring Part 1	HW 13	**HW 11**
	Wednesday	Feb. 7	Factoring Part 2	HW 14	**HW 12**
	Thursday	Feb. 8	Exam 1 Review	Exam 1 Review	**HW 13**
5	Monday	Feb. 12	**EXAM 1**	**Exam 1 Review HW 14**	
	Tuesday	Feb. 13	Solving Equations via Factoring	HW 15	**NONE**
	Wednesday	Feb. 14	Quadratic Formula Square-Root Property	HW 16 HW 17	**NONE**
	Thursday	Feb. 15	Completing the Square	HW 18	**HW 15**

	Day	Date	Topic		Assigned	Due
6	Monday	Feb. 19	U-Substitution		HW 19	**HW 16** **HW 17**
	Tuesday	Feb. 20	Rational Expressions Part 1		HW 20	**HW 18**
	Wednesday	Feb. 21	Rational Expressions Part 2		HW 21	**HW 19**
	Thursday	Feb. 22	Rational Expressions Part 3		HW 22	**HW 20**
7	Monday	Feb. 26	Rational Equations		HW 23	**HW 21**
	Tuesday	Feb. 27	Radical Equations		HW 24	**HW 22**
	Wednesday	Feb. 28	Introduction to Functions Library of Functions		HW 25 HW 26	**HW 23**
	Thursday	Feb. 29	Exam 2 Review		Exam 2 Review	**HW 24**
8	Monday	Mar. 4	**EXAM 2**			**Exam 2 Review** **HW 25** **HW 26**
	Tuesday	Mar. 5	Evaluating Functions Operations with Functions		HW 27 HW 28	**NONE**
	Wednesday	Mar. 6	Inverse Functions Transformations of Functions		HW 29 HW 30	**NONE**
	Thursday	Mar. 7	Linear Functions		HW 31	**HW 26** **HW 27**
9	**March 11 - 15**		**SPRING BREAK**			
10	Monday	Mar. 18	Point-Slope Equation Parallel and Perpendicular Lines		HW 32 HW 33	**HW 28** **HW 29**
	Tuesday	Mar. 19	Quadratic Functions		HW 34	**HW 30**
	Wednesday	Mar. 20	Circles		HW 35	**HW 31**
	Thursday	Mar. 21	Exam 3 Review		Exam 3 Review	**HW 32**

11	Monday	Mar. 25	**EXAM 3**	**Exam 3 Review HW 33**	
	Tuesday	Mar. 26	Synthetic Division	HW 36	**NONE**
	Wednesday	Mar. 27	Roots of Polynomial	HW 37	**NONE**
	Thursday	Mar. 28	Polynomial Equations	HW 38	**HW 36**
12	Monday	Apr. 1	Polynomial Functions	HW 39	**HW 37**
	Tuesday	Apr. 2	Rational Functions Part 1	HW 40	**HW 38**
	Wednesday	Apr. 3	Rational Functions Part 2	HW 41	**HW 39**
	Thursday	Apr. 4	Exam 4 Review	Exam 4 Review	**HW 40**
12	Monday	Apr. 8	**EXAM 4**	**Exam 4 Review HW 41**	
	Tuesday	Apr. 9	Polynomial and Rational Inequalities	HW 42	**NONE**
	Wednesday	Apr. 10	Exponential Functions	HW 43	**NONE**
	Thursday	Apr. 11	Logarithmic Functions	HW 44	**HW 42**
14	Monday	Apr. 15	Properties of Logarithms	HW 45	**HW 43**
	Tuesday	Apr. 16	Expanding and Condensing Logarithms	HW 46	**HW 44**
	Wednesday	Apr. 17	Exponential Equations Logarithmic Equations	HW 47 HW 48	**HW 45**
	Thursday	Apr. 18	Exam 5 Review	Exam 5 Review	**HW 46**
15	Monday	Apr. 22	**EXAM 5**	**Exam 5 Review HW 47 HW 48**	
	Tuesday	Apr. 23	Compound Interest	HW 49	**NONE**
	Wednesday	Apr. 24	Systems of Equations Part 1	HW 50	**NONE**
	Thursday	Apr. 25	Systems of Equations Part 2	HW 51	**HW 49**

16	Monday	Apr. 29	Non-Linear Systems of Equations	HW 52	**HW 50**
	Tuesday	Apr. 30	Systems of Inequalities	HW 53	**HW 51**
	Wednesday	May 1	Cramers Rule	HW 54	**HW 52**
	Thursday	May 2	Exam 6 Review	Exam 6 Review	**HW 53**
17	Monday	May 6	**EXAM 6**	**Exam 6 Review HW 54**	
	Tuesday	May 7	Final Exam Review (Exams 1 and 2)	NONE	
	Wednesday	May 8	Final Exam Review (Exams 3 and 4)	NONE	
	Thursday	May 9	Final Exam Review (Exams 5 and 6)	NONE	
Final Exam			**Thursday May 9th : 10:15 am – 12:15 pm : M122**	**Final Exam Review**	

Last Day to Drop - April 25, 2024