

Math 1314 - College Algebra
Section 608
Fall 2025
Jacqueline Fowler

I. Common Course Syllabus – Math Department Policies

Department: Mathematics, Engineering, and Computer Science **Course Number:** Math 1314 **Discipline:** Mathematics **Course Title:** College Algebra

Available Formats: conventional, hybrid, internet, and ITV.

Campuses: Levelland, Plainview Center, Lubbock Downtown 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 a successful completion of NCBM-0114.

Credit: 3 Lecture: 3 Lab: 1

This course partially satisfies a Core Curriculum Requirement: 1314 - 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 cannot receive an X, the instructor will assign an F.

II. South Plains College Policies

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.

South Plains College policies concerning diversity, disabilities, non-discrimination, Title IX Pregnancy Accommodations, and Campus Concealed Carry Statements can be found here: 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.

***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.

III. Section Policies

Instructor Information: Jacqueline Fowler B022 (LBK Downtown Center – Basement)

806-716-4640 <u>ifowler@southplainscollege.edu</u>

Office Hours:

Mon/Wed: 10:45 – 12:30, 2:15 – 2:30 Tues/Thurs: 12:00 – 1:00 Fri: 8:00 – 10:00

Required Materials:

Printed notes from Bb
 3-ring binder
 Scientific calculator

***Graphing calculators must be approved by me

Blackboard: Blackboard (Bb) is an online course management system that SPC uses for course information. For technical support, call 806-716-2180 or email blackboard@southplainscollege.edu.

Gradescope: Gradescope is a math program that will be used to grade all of your exam work. All work will be uploaded into the Gradescope app.

Communication: All emails need to be sent through your SPC email account to my SPC email account. **Do <u>not</u> email me through Bb**. I will try to respond to all emails within 24 hours, but sometimes it may take longer. Emails sent to me after 9 am on Friday may not receive a response until Monday morning.

- You must include your name and class on every email.
- Do **not** use your personal email. (I will **only** respond to SPC email addresses.)
- Be professional in your messages. (Do **not** use all caps or text language.)

Dropping the class: If you wish to drop this class, you will need to submit a drop form online (<u>online drop form</u>) or you may visit the Student Services Office.

Grading Formula: The final letter grade for this course will be based on the following:

Α	450 – 500 points			
В	400 – 449 points			
С	350 – 399 points			
D	300 – 349 points			
F	0 – 299 points			

Exam 1	100 points		
Exam 2	100 points		
Exam 3	100 points		
Exam 4	100 points		
Final Exam	100 points		

Lectures / Notes: During the two days we meet in class, you will fill in notes during the lecture. For any notes we do not get to finish during class, you will need to fill in notes from lecture videos at home. <u>The</u> final responsibility for learning lies with the student. The following suggestions will help you be successful.

- o Take careful notes from the video.
- o Frequently pause the video to take notes.
- "Rewind" the video when you don't understand things.
- When the instructor tells you to solve a problem or write something down, do it.
- Write down questions in your notes from the lecture video when you don't understand something.
- Bring your questions to class and ask the instructor for help and clarification.

Homework: Homework is for practice only and will not be counted for a grade. Homework will prepare you for exams, so it is very beneficial to complete all questions.

Extra Credit: There will be extra points on exams, and there are assignments in Blackboard to complete for extra points. Assignments in Bb must be completed by the deadlines and will NOT be accepted late for ANY reason. *No exceptions!*

Exams: Five exams will be given this semester with the last exam being a comprehensive final exam. There are no make-up exams. If you miss an exam, you will receive a zero. The final exam may be used to replace **one** missed exam.

Showing Work: To receive full credit on exams, you must show all the work that leads to your answers. The work must be legible, make sense and be easy to follow. If there are any concerns on the integrity of the work on any exam, you will be required to meet with me and work problems in front of me. When grading, I will be looking for the steps given in the Blackboard videos. Cell phones are <u>not</u> to be used to get answers on <u>any</u> coursework at any time.

Academic Dishonesty: Academic dishonesty will not be tolerated. Please see the list of things that constitute plagiarism and cheating in the general syllabus. If you violate anything on those lists, you will receive a zero on the assignment and could be subject to other actions outlined in the South Plains College Student Code of Conduct. Please note that these actions could include failing the course and being expelled from the college.

Resources:

- Blackboard! All course information is found in Blackboard.
- Me! Feel free to email me at <u>ifowler@southplainscollege.edu</u>. If you email about a specific math question, please attach a picture of the question and the work that you have tried.
- Free tutoring is available via SPC. The link is in Blackboard. If you visit with a tutor, please share with them the work given in class.

Succeeding in a Math Class:

- Be mentally present! Pay attention and ask questions in class.
- Plan ahead. Do notes and practice problems early enough before the due date that you will have time to ask questions or seek help if you need it.
- Get help as soon as you feel yourself falling behind! Don't wait!
- All notes and practice problems for the course are posted on Blackboard. If you want to get ahead, that is encouraged. Time management is crucial.
- The best way to study for a math exam is to practice working problems over and over.
- Everyone learns and studies differently. I encourage you to seek out and find what works best for you.

Math 1314 - 608 Fall 2025
Tentative Course Outline -- any changes will be posted in Blackboard

Week	Monday	Tuesday	Wednesday	Thursday	Friday
1	25-Aug	26-Aug	27-Aug	28-Aug	29-Aug
	Syllabus and 2.1		2.2/2.3		Study Skills #1
2	1-Sep	2-Sep	3-Sep	4-Sep	5-Sep
	Holiday	2.4 at home	3.1/3.2		Study Skills #2
3	8-Sep	9-Sep	10-Sep	11-Sep	12-Sep
	3.3/3.4		3.5		Study Skills #3
4	15-Sep	16-Sep	17-Sep	18-Sep	19-Sep
	Review		Exam 1	4.1 at home	Study Skills #4
5	22-Sep	23-Sep	24-Sep	25-Sep	26-Sep
	4.2/4.3		4.4/4.5		Study Skills #5
6	29-Sep	30-Sep	1-Oct	2-Oct	3-Oct
	4.6		4.7		Study Skills #6
7	6-Oct	7-Oct	8-Oct	9-Oct	10-Oct
	5.1/5.2		Review		Study Skills #7
8	13-Oct	14-Oct	15-Oct	16-Oct	17-Oct
0	Exam 2		6.1/6.2	Study Skills #8	Holiday
9	20-Oct	21-Oct	22-Oct	23-Oct	24-Oct
	6.3		7.1		Study Skills #9
10	27-Oct	28-Oct	29-Oct	30-Oct	31-Oct
	7.2		7.3		Study Skills #10
11	3-Nov	4-Nov	5-Nov	6-Nov	7-Nov
	Review		Exam 3	8.1 at home	Study Skills #11
12	10-Nov	11-Nov	12-Nov	13-Nov	14-Nov
	8.2		8.3		Study Skills #12
13	17-Nov	18-Nov	19-Nov	20-Nov	21-Nov
	8.4		9.1/9.4	9.2/9.3 at home	
14	24-Nov	25-Nov	26-Nov	27-Nov	28-Nov
	Review		Holiday	Holiday	Holiday
15	1-Dec	2-Dec	3-Dec	4-Dec	5-Dec
	Exam 4		Review		
14	8-Dec	9-Dec	10-Dec	11-Dec	12-Dec
			Final Exam		
			8:00 - 10:00		