

Math 1314 - College Algebra - Fall 2023

Jacqueline Fowler

I. Department Policies (Revised December 2022)

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.

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.

II. South Plains College Policies

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 608 Course Information

Instructor Information: Jacqueline Fowler B022 (LBK Downtown Center – Basement)
 806-716-4640 jfowler@southplainscollege.edu
 Office Hours can be found in Blackboard.

Required Materials:

- ❖ MyMathLab student access (an e-textbook will be provided to you in MML)
- ❖ Calculator:
 - You may use a scientific calculator on all assignments.
 - **Graphing calculators are not allowed at any point in this course.**
- ❖ access to a reliable internet service
- ❖ a way to print and scan documents

Blackboard:

- Blackboard is an online course management system that SPC uses for course information.
- This course is supplemented online, so all course materials can be accessed through Blackboard.
- For questions regarding Blackboard support call 806-716-2180 or email blackboard@southplainscollege.edu.

MyMathLab:

- We will be using a math website called MyMathLab (MML) for all assignments.
- Go to this website to register: <https://mlm.pearson.com/northamerica/mymathlab/>
- You can use the free access for 14 days, but you **MUST** pay for it before the free access expires.
- You can purchase on the website or at the bookstore.
- Course ID: **fowler43073**
- When you register, you **must**
 - use your SPC email address when you register.
 - use your legal name as listed on my course roster and in Texan Connect.
 - If your name does not match my roster, you will not receive a grade in this class until it is changed.

Communication:

- All emails need to be sent through your SPC email account to my SPC email account. Do **not** use your personal email.
- I will respond to all emails within 36 hours except on weekends.
- Do **not** email me more than once in 36 hours. Give me a chance to reply. After 36 hours, you may email me a second time.
- Emails sent to me after 12:00 pm on Friday may not receive a response until Monday morning.
- You **must** include your name and class on every email.
- Be professional in your messages. Do **not** use all caps or text language.

Dropping the class:

- You may submit a drop form online ([online drop form](#)) or visit the Student Services Office.
- **If someone other than you logs into your Blackboard account, you WILL be dropped from this class immediately and receive an X.**

IV. Assignments and Grades

Grading Policy:

- Quizzes (Units 3,5,and 7) 8% each
- Quizzes (Units 2, 4, 6, and 8) 14% each
- Final Exam 20%

Grading Scale:

- A: 90 – 100
- B: 80 – 89
- C: 70 – 79
- D: 60 – 69
- F: 0 – 59

Extension of deadlines: Please make note of all deadlines on the calendar in Blackboard. You should ALWAYS stay ahead of schedule so that if you have any issues, it can be resolved before the deadline.

Issues cannot be resolved after the deadline. NEVER wait until the last day to complete an assignment. Computers seem to have issues when you are in a hurry to meet a deadline. **Computer problems, mechanical failures, internet service provider issues, etc. do not constitute excuses for late submission of work. You must have a reliable computer and reliable internet service.** To be fair to everyone, assignments will NOT be accepted late for ANY reason, so do NOT even ask. **No exceptions!**

Tutoring: You have access to free tutoring through SPC. Click on the tutoring link in Blackboard for more information. If you visit with a tutor, please share with them the work shown in my videos, so they can help you with the correct steps.

Homework: Homework for every section can be found in MML under “Required Assignments”. You can save homework assignments, log out, and come back to work on them at any time. Homework is for practice only and will not be counted for a grade. If you miss a problem, or if you just want more practice, hit “similar exercise” at the bottom of the screen for a new problem to work. ****You should rework homework over and over to practice and be ready for quizzes and exams.**

Quizzes: There will be 6 Unit Quizzes. These are found in MML under “Required Assignments”.

- Quizzes for Units 3, 5, and 7 will be taken through MML and will not be Proctored.
 - You may use your notes and homework on these quizzes, but any item in the list for cheating violations is prohibited, such as apps, cell phones, and other people.
 - You are required to show your work on every problem using the guidelines below. Any question that does not have correct work shown will be counted wrong.
 - You are required to email your work to me within 10 minutes of submitting the quiz. Work emailed more than 10 minutes after submitting the quiz will not be accepted and will result in points deducted for no work.
 - These quizzes will be timed and must be completed during the time frame given. When time expires, all questions not completed will be counted wrong, and you will not be allowed to finish the quiz. If you do not complete a quiz by the deadline, you will receive a zero for that quiz. **There are no make-up quizzes.**
 - In order to get the full amount of time on the quiz, you must start the quiz early. For example, if you start the quiz 10 minutes before the deadline, you will only have 10 minutes to complete the quiz. MML will submit your quiz at the deadline.
- Quizzes for Units 2, 6, and 8 will be taken online during class.
 - You may use a calculator, but notes and homework are prohibited.
 - You may use a notecard 5 ½” x 8 ½” or smaller on all quizzes except Quiz 2.
 - You are required to show your work on every problem using the guidelines below. Any question that does not have correct work shown will be counted wrong. You are required to turn in your work to me before leaving class.

- These quizzes will be timed and must be completed during class time. When time expires, all questions not completed will be counted wrong, and you will not be allowed to finish the quiz. If you are absent on the day a quiz is given, you will receive a zero for the quiz. **There are no make-up quizzes.**
- In order to get the full amount of time on the quiz, you must start the quiz at the beginning of class. If you are late for class, you will forfeit the time you missed. For example, if you arrive 15 minutes late to class, you lose 15 minutes of time on the quiz. MML will submit your quiz at the deadline.

Final Exam:

- ❖ There will be a comprehensive final exam at the end of the semester and will be taken online during class using the guidelines for proctored quizzes and exams.
- ❖ You may use a calculator and a notecard 8 ½" x 11" or smaller, but notes and homework are prohibited.
- ❖ You are required to show your work on every problem using the guidelines below. Any question that does not have correct work shown will be counted wrong. You are required to turn in your work to me before leaving class.
- ❖ This exam will be timed and must be completed during class time. When time expires, all questions not completed will be counted wrong, and you will not be allowed to finish the exam. If you are absent on the day the final exam is given, you will receive a zero for the exam. **There is no make-up exam.**
- ❖ In order to get the full amount of time on the exam, you must start the exam at the beginning of class. If you are late for class, you will forfeit the time you missed. For example, if you arrive 15 minutes late to class, you lose 15 minutes of time on the exam. MML will submit your exam at the deadline.
- ❖ The Final Exam may be used to replace a lower quiz grade.

Guidelines for showing your work: If any ONE of the following guidelines are not followed, your work may not be graded if I cannot read it.

- Make 1 column. Draw a line down the middle of your paper if needed.
- All problems are to be written down the left side of your paper.
- Use a pencil so you can erase any mistakes. Mark outs make a huge mess.
- Do not write on the back of the paper.
- Put your first and last name on the top of your paper.
- Put a title on your paper. (Example: Quiz 2)
- Always work DOWN your paper, and do not work problems to the right.

***Entering answers: If you go through the "How to enter answers" in MML and practice homework, you will know how to enter answers on all exams. **You must know the proper way to answer the questions.** If you are having problems entering answers, please contact me while doing homework so I can help.

V. Online Exam Policies

- Online exams will only be given for extenuating circumstances.
- The exam will be taken through Proctorio.
- The exam must be taken during class time on the date listed in the schedule.

If an online exam is taken, the following policies will go into effect along with all previous policies.

Additional Required Materials:

- ❖ Webcam separate from your computer

Guidelines for proctored quizzes and exams: If any ONE of the following guidelines are not followed, you will receive a zero on your quiz or exam.

- You must show your workspace in camera view during the entire exam. Your workspace is your desk area all the way up to the top of your head, not just your face.
- You must use a separate camera to show your workspace.
- You must put your cell phone face down in the camera view at all times and you are not allowed to use it during the exam. Once you pick up your cell phone to scan and email your work, you are NOT allowed to write anything else on your paper.
- Your calculator must be in the camera view at all times. You must include a picture of your calculator with your exam work.
- You are not allowed to have another person in the camera view.
- Hats and headphones of any kind are not allowed.
- You must have good light so you are easily seen in the video.
- Once you start working on the exam, you are not allowed to move out of the camera view during the exam.
- Once you are finished with the exam, while still on camera, you **MUST** scan your work as one PDF file with multiple pages and email it to me **as an attachment**.
 - I will not accept the following:
 - Any file that is not a PDF – no JPG files
 - Any shared file – you must send as an attachment
 - Any file sent from your personal email – you must use your SPC email

VI. Tentative Course Outline

Math 1314 - 608

Fall 2023

Tentative Course Outline

Changes will be announced in class and posted in Blackboard.

Odd quizzes are due by 5 pm on the dates listed.

| Week | Monday online | Wednesday in classroom |
|------|--|---------------------------------------|
| 1 | Aug 28 | Aug 30 1.4, 2.1, 2.2 |
| 2 | Sept 4 Labor Day | Sept 6 2.3, 2.4 |
| 3 | Sept 11 Review | Sept 13 Quiz 2 |
| 4 | Sept 18 3.3 | Sept 20 3.4, 3.5, Quiz 3 online |
| 5 | Sept 25 4.1, 4.2 | Sept 27 4.3, 4.4 |
| 6 | Oct 2 4.5 | Oct 4 Quiz 4 in class |
| 7 | Oct 9 5.1, 5.2 | Oct 11 5.3, 5.4 |
| 8 | Oct 16 Quiz 5 online | Oct 18 6.1, 6.2 |
| 9 | Oct 23 6.3 | Oct 25 Quiz 6 in class |
| 10 | Oct 30 7.1 | Nov 1 7.2 |
| 11 | Nov 6 7.3 | Nov 8 7.4 |
| 12 | Nov 13 7.5, Quiz 7 online | Nov 15 8.1, 8.2 |
| 13 | Nov 20 8.3 | Nov 22 Thanksgiving Holiday |
| 14 | Nov 27 8.4 | Nov 29 Quiz 8 in class |
| 15 | Dec 4 9.1, 9.4 | Dec 6 Review |
| 16 | Dec 11 Final Exam in class 8:00 - 10:00 am | Dec 13 |

November 30 --- Last day to drop this class