

South Plains College

Math 0314 1314 - College Algebra with Support Course

Section C151

SPRING 2023

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I. Department Policies

Common Course Syllabus: MATH 0314 / Math 1314 (Revised December 2022)

Department: Mathematics, Engineering, and Computer Science

Discipline: Mathematics

Course Number: MATH 0314

Course Number: MATH 1314

Course Title: College Algebra Support Course

Course Title: College Algebra

Available Formats: conventional, hybrid, and internet

Campuses: Levelland, Plainview Center, and Lubbock Downtown Center

Course Descriptions:

0314 : 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.

1314: 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 TSIA, or a successful completion with a grade of 'C' or better in MATH 0315, or a successful completion of NCBM-0105.

0314 Credit: 3 **Lecture:** 3 **Lab:** 1

1314 Credit: 3 **Lecture:** 3 **Lab:** 1

This course partially satisfies a Core Curriculum Requirement: 0314 - None
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 C151 Course Policies

Instructor Information: Jacqueline Fowler B022 (LBK Downtown Center - Basement)
806-716-4640 jfowler@southplainscollege.edu

Office Hours:

Mondays: 10:45 am – 1:00 pm 4:30 pm – 6:30 pm (through zoom)	Wednesdays: 10:45 am – 1:00 pm	Fridays: 8:00 am – 9:30 am
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Required Materials:

- ❖ MyMathLab (included in tuition)
- ❖ Computer
- ❖ Reliable Internet Service
- ❖ Notebook paper, pencils, and erasers

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

MyMathLab: We will be using a math website called MyMathLab (MML) for all assignments. The cost of this will be added to the regular tuition and fees for the class through the TexBook program. More information on this can be found at <https://www.southplainscollege.edu/texbook.php>.

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.

Communication: All emails need to be sent through your SPC email account to my SPC email account. I will respond to all emails within 24 hours except on weekends. 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.
- 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.
- Do **not** email me more than once in 24 hours. Give me a chance to reply.
- If you have not heard from me in 48 hours, that could mean I did not receive your email, so you should email me again.

Netiquette: Professionalism, respect, and courtesy are required at all times. **NO PROFANITY** under any circumstances in any situation. Confrontational behavior will NOT be tolerated, and you will be dropped from this course immediately to receive an F or X at my discretion.

Computer Issues: If your personal computer becomes “disabled”, there are computer labs on all SPC campuses which you may use to access this course. **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.**

Dropping the class: If you wish to drop this class, you will need to submit a drop form online ([online drop form](#)) or you may visit the Student Services Office. **You must drop both classes.** If you are taking this class with a relative or anyone that lives with you, you must notify me immediately. Failure to disclose this information could result in being dropped from the class with an X. If someone other than you logs into your Blackboard or MML account, you WILL be dropped from this class immediately and receive an X.

Grading Policy:

- Participation 5 %
- Homework 5 %
- Exams 90 %

Grading Scale:

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

IV. Assignments

General Info / Extension of deadlines: All assignments are located under the “REQUIRED ASSIGNMENTS” tab in MML. Please make note of all deadlines on the calendar in Blackboard. Assignments are open early with the due dates listed so you can plan accordingly to complete them on time. You should ALWAYS stay days ahead of schedule so that if you have any issues, it can be resolved before the deadline. **Issues cannot be resolved after the deadline.** You must give me 24 hours to fix any issues. **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. To be fair to everyone, assignments will NOT be accepted late for ANY reason, so do NOT even ask. **No exceptions!**

Participation: There will be several participation assignments in class or online throughout the semester. **Participation assignments will not be accepted late, and there are no make-ups.** One participation grade will be dropped at the end of the semester.

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. 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 exams. Homework will not be accepted late, and there are no make-ups.** Five homework grades will be dropped at the end of the semester.

Exams:

You will have the following three options to take exams:

1. on campus with me
 - No additional required materials

- There will be different times to take the exam, so you will sign up for a time on campus. You just show up with your materials, and the rest is handled by me. I will help you with all technology to get started and any issues that arise during the exam.
 - Exams are due by the end of the time you have chosen. If you arrive late for an exam, you forfeit the full amount of time to take the exam. For example, if you choose to take the exam from 1 – 3, you must submit your exam at 3 pm even if MML is still showing time remaining on the exam.
 - With this option, the online exam policies will not be needed.
2. through zoom with me
- Additional required materials:
 - Computer
 - Device to attend zoom meeting (you may not use your computer)
 - Scanner (you may not use the device used for zoom meeting)
 - There will be different times to take the exam, so you will sign up to meet me though zoom. I will help you as much as I can with technology, but you may have to do some troubleshooting on your own.
 - Exams are due by the end of the time you have chosen. If you arrive late for an exam, you forfeit the full amount of time to take the exam. For example, if you choose to take the exam from 1 – 3, you must submit your exam at 3 pm even if MML is still showing time remaining on the exam.
 - Please see the Online Exam Policies in Section V.
3. online using Proctorio
- Additional Required Materials:
 - Computer
 - Standalone Webcam (you may not use computer or cell phone)
 - Scanner (you may use your cell phone)
 - You will need to be able to download Proctorio and figure out how to use it. I will help as much as I can, but be aware that Proctorio may stop working at any time during the semester and you must be able to troubleshoot issues. During an exam, you must work through technology issues on your own.
 - Exams are due by the deadline.
 - Please see the Online Exam Policies in Section V.

For all options, MML will automatically submit your exam for you at the deadline. That means if you start the exam 30 minutes prior to the deadline, MML will submit your exam at the deadline (30 minutes later) and you will not be allowed to finish. If you miss taking an exam by the deadline, you will receive a zero for that exam. **There are no make-up exams.**

Final Exam: There will be a mandatory comprehensive final exam at the end of the semester. The final exam will be used to replace the lowest exam grade as long as the final exam is higher. If you miss taking the final exam online by the deadline, you will receive a zero for the exam. **There are no make-up exams.**

***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

Zoom: You will be recorded and monitored by me.

Proctorio: A program that will record you, your computer screen, and your workspace as you take your exam. You will be required to use Chrome and download the Chrome extension.

Guidelines for online exams through zoom and Proctorio: If any of the following guidelines are not followed, you will receive a zero on your exam.

- You must show your workspace in camera view during the entire exam. Your workspace includes the area around you and your computer.
- You must use a separate camera to show your workspace.
- You must put your cell phone face down on your desk and in 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.
- A calculator will be provided to you in MML, so you may not use your own calculator.
- You are not allowed to have another person in the camera view.
- Hats and headphones of any kind are not allowed on any exam.
- 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, 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 PNG files
 - Any shared file – you must send as an attachment
 - Any file sent from your personal email – you must use your SPC email
- **If using zoom, you must verify with me that I have received your work before you exit zoom. If I do not receive your work during the zoom meeting, you will not receive credit for your work.**
- **If using Proctorio, you must email your work while still on camera.**

If you get kicked out of MML for any reason, you may log back in and finish as long as you are still on camera. Proctorio must still be recording. If Proctorio stops working during an exam, you will not be allowed to continue since you are not being monitored.

If Proctorio stops recording before your exam is complete, you must email me the work you have completed immediately. If your work was emailed within 10 minutes, I will grade what was completed. If your work is emailed more than 10 minutes after recording stops, your work will not be accepted, and you will receive a zero on the exam.

***Plug in your computer before starting an exam. If your battery dies, Proctorio will stop.

There are passwords in MML, but there are no passwords in Blackboard, so if you are being asked for a password in Blackboard, then Proctorio is not working correctly.

Tentative Course Outline

Changes will be announced in class and posted in Blackboard.

Week	Due Date	Monday
1		Review (Unit 1)
2		Linear Equations and Inequalities (Unit 2) Factoring (3.1, 3.2, 3.3)
3		Rational Expressions and Equations (3.4, 3.5) Radical Expressions and Equations (4.1, 4.2, 4.3)
4	Wed, Feb 8 Wed, Feb 8	Quadratic Equations (4.4, 4.5) Exam 1 due by 3 pm Due by 9 am: Homework for Units 1 - 4
5		Functions and Graphs (5.1 and 5.2) Functions and Graphs (5.3 and 5.4)
6		Functions: Domain, Combining, and Compositions (6.1) Inverse Functions (6.2)
7	Wed, Mar 1 Wed, Mar 1	Slopes, Equations, and Graphing (6.3) Exam 2 due by 3 pm Due by 9 am: Homework for Units 5 and 6
8		Graph Quad Functions (7.1) Synthetic Div and Solve Polynomial Equations (7.2)
9	Mon, Mar 13 Wed, Mar 15	Spring Break Spring Break
10		Graph Polynomial Functions (7.3) Graph Rational Functions (7.4)
11	Wed, Mar 29 Wed, Mar 29	Polynomial and Rational Inequalities (7.5) Exam 3 due by 3 pm Due by 9 am: Homework for Unit 7
12		Exponential Functions and graphs (8.1) Evaluate Log Expressions, Expand and Condense (8.2)
13		Exponential Equations (8.3) Log Equations (8.4)
14		Systems of 2 Equations (9.1) Matrices (9.3)
15	Wed, Apr 26 Wed, Apr 26	Determinants and Cramer's Rule (9.4) Exam 4 due by 3 pm Due by 9 am: Homework for Units 8 and 9
16		Review
17	Mon, May 8	Final Exam due by 3 pm