

South Plains College

Math 1314 - College Algebra

Section 607

FALL 2022

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I. Department Policies

Common Course Syllabus: Math 1314 (Revised August 2021)

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, Plainview, Lubbock 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

COVID: It is the policy of South Plains College that as a condition of on-campus enrollment, all students are required to engage in safe behaviors to avoid the spread of COVID-19 in the SPC community. There will be no requirement for face coverings at any location on any South Plains College campus or classroom. Faculty, staff, or students may continue to wear a mask voluntarily, but there will be no requirements for face coverings in any circumstance.

If you are experiencing any of the following symptoms please do not attend class and either seek medical attention or get tested for COVID-19.

- Cough, shortness of breath, difficulty breathing
- Fever or chills
- Muscles or body aches
- Vomiting or diarrhea
- New loss of taste and smell

Please also notify DeEtte Edens, BSN, RN, Associate Director of Health & Wellness, at dedens@southplainscollege.edu or 806-716-2376. Proof of a positive test is required. A home test is sufficient but students must submit a photo of the positive result. The date of test must be written on the test result and an ID included in the photo. If tested elsewhere (clinic, pharmacy, etc.), please submit a copy of the doctor's note or email notification. Results may be emailed to DeEtte Edens, BSN, RN at dedens@southplainscollege.edu.

A student is clear to return to class without further assessment from DeEtte Edens, BSN, RN if they have completed the 5-day isolation period, symptoms have improved, and they are without fever for 24 hours without the use of fever-reducing medication.

Students must communicate with DeEtte Edens, BSN, RN prior to their return date if still symptomatic at the end of the 5-day isolation.

Student Code of Conduct Policy: Any successful learning experience requires mutual respect on the part of the student and the instructor. Neither instructor nor student should be subject to others' behavior that is rude, disruptive, intimidating, aggressive, or demeaning. 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.

Diversity Statement: In this class, the teacher will establish and support an environment that values and nurtures individual and group differences, and encourages engagement and interaction. Understanding and respecting multiple experiences and perspectives will serve to challenge and stimulate all of us to learn about others, about the larger world and about ourselves. By promoting diversity and intellectual exchange, we will not only mirror society as it is, but also model society as it should and can be.

- ✓ Lead discussions or short presentations from a personal, student prospective concerning how he/she was successful in the course, with an assignment, or with the development of a skill. This is only allowed to be done with the instructor present at all times.

What the academic coach cannot do:

- × Teach new concepts the course instructor has not already introduced.
- × Present lectures or demonstrations of skill development activities without the instructor present.
- × Grade assignments.
- × Access student grades.

Required Materials:

- ❖ MyMathLab Student Access Code
 - included in tuition
- ❖ Printer Access
- ❖ Computer
- ❖ Reliable Internet Service
- ❖ scientific or graphing calculator
 - allowed: TI-83, TI-84, TI-30XIIS
 - **NOT** allowed: TI-89, TI-92, and TI-Nspire
 - all other calculators must have approval from me

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. Emails sent to me after 10:00 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.
- Do **not** use 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. You may also find a public computer to do your work. **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. **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 10 %
- Homework 20 %
- Exams 70 %

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!**

Flipped Classroom: This is a flipped classroom and how you receive instruction in this class will look different from the way you have received instruction from classes in the past. Your “homework” will typically involve you interacting with short videos before class. That will then free up class time for me to help you more, and give us more class time for discussions, collaborative assignments, and hands-on experiences. Since this class is different, I have listed out some suggestions which will ensure that you are completely successful.

- **Note-taking tips**
 - Take careful notes from the video.
 - Draw appropriate diagrams and charts in your notes.
 - 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.
- **How to Best Participate in Class**
 - Ask the instructor the questions you wrote down in your notes.
 - Fully participate in class activities.
 - Work with your classmates.
 - Offer to help your classmates with things you understand.
 - Ask for help from your classmates when they understand more than you.

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. You should not settle for less than a 100 on all homework assignments since you can rework all problems until you get them right. 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.** There are also extra problems in Blackboard to help you prepare 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: All exams will be taken online during class. Laptops will be available for your use or you may bring your own laptop. Exams are due by the end of the class. If you are late for an exam, you forfeit the full amount of time to take the exam. For example, if you arrive 30 minutes late, then you lose 30 minutes of time allowed on the exam even if there is still more time showing online in MML. At the deadline, MML will automatically submit your exam for you. 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 MML is still showing time at the end of class, you will be asked to submit your exam. If you click out of the test or get kicked out for any reason, you may log back in and finish, but you will forfeit the chance to finish the problem you were working on at that time. For example, if you are working on number 3, and you get kicked

out of the test, then when you return, you must start on number 4, and number 3 will be counted wrong. On Exam days, if you miss taking your exam, 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 the final exam, you will receive a zero for that 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

Online Exams will only be given for extenuating circumstances, and must get approval from me at least 48 hours in advance. Online exams cannot be given within 24 hours of giving me notice. If an online exam is taken, the following policies will go into effect. ***Online exams must be taken during class time.

Additional Required Materials:

- ❖ Webcam – separate from computer
- ❖ App for scanning – CamScanner is a great free app

Proctorio: Online exams will be proctored using the Proctorio Program. The program will record you and your computer screen as you take your exam. You will be required to use Chrome and download the Chrome extension.

Guidelines for online exams:

***** If any ONE 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 is your desk area all the way up to the top of your head, not just your face.
- 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 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.**

***Plug in your computer before starting an exam. If your battery dies, Proctorio will stop. If Proctorio stops recording before your exam is complete, you must email me the work you have completed immediately. Do not hold onto the work and email me asking to finish the exam. If your work was emailed within 10 minutes, I will grade what you have 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.

******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.******

VI. Tentative Course Outline

Math 1314
Section 607

Fall 2022

Tentative Course Outline

Changes will be announced in class and posted in Blackboard.

Week	Monday	Wednesday
Review	Sections: 1.1, 1.2, 1.3, 1.4, 2.1, 2.2, 4.1	
1	Aug 29 2.3 and 2.4	Aug 31 3.1 and 3.2
2	Sep 5 Labor Day Holiday	Sep 7 3.3 and 3.4
3	Sep 12 3.4	Sep 14 3.5
4	Sep 19 Exam 1	Sep 21 4.2 and 4.3
5	Sep 26 4.4 and 4.5	Sep 28 5.1 and 5.2
6	Oct 3 5.3	Oct 5 5.4
7	Oct 10 Exam 2	Oct 12 6.1 and 6.2
8	Oct 17 6.3 and 6.4	Oct 19 7.1
9	Oct 24 7.2	Oct 26 7.3
10	Oct 31 7.4	Nov 2 7.5
11	Nov 7 Exam 3	Nov 9 8.1
12	Nov 14 8.2 and 8.3	Nov 16 8.4
13	Nov 21 9.1 and 9.2	Nov 23 Thanksgiving Holiday
14	Nov 28 9.3	Nov 30 9.4
15	Dec 5 Exam 4	Dec 7 Review
16	Dec 12 Exam 5: 10:15 am - 12:15 pm	Last Day to Drop a class: December 1