South Plains College
Department of Mathematics and Engineering
Dual Credit Pre Calculus- MATH 2412
Fall 2025 and Spring 2026 Course Syllabus

Instructor: Cassidee Wiemers
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Remind: Join the classroom remind- @wiemersPC
Office Hours:

	Monday	Tuesday	Wednesday	Thursday	Friday
Tutorials	12:10-12:43	12:10-12:43	12:10-12:43	12:10-12:43	12:10-12:43

Course Supplies: **Required:**

- Graphing Calculator (Suggested TI 84 or newer)-There will be calculators available for in-class use, but it is recommended that students invest in one for out of classroom use.
- Internet Access
- Method to post homework assignments to Google Classroom. You will need access to a camera-enabled device to submit your work. (Suggested: Camera phone)
- 2-inch binder to keep track of notes and homework
- Package of 5 dividers
- Pencil or pen

The following materials and items are disallowed in this course.
****If you are caught using any of the following to complete classwork, you will receive a 0 for the corresponding assignment, quiz, or test.**

- Cell phones- During lecture and for assistance on work completed inside class or outside
- Online math answering programs- Such programs provide "solutions" to unworked problems (i.e., ChatGPT,Chegg, MathWay, PhotoMath, Wolfram Alpha, etc).
- Notes on exams- Use of any additional resources including notes accumulated from lectures is strictly prohibited

Textbook: *Pre-Calculus*, Abramson, OpenStax
All resources for the course, including notes, assignments, etc., are available on Google Classroom. However, as a South Plains College student, you have access to the textbook on OpenStax free of charge.
https://openstax.org/details/books/precalculus-2e

Google Classroom: All information and resources needed for this course are available on Google Classroom. The syllabus, instructor contact information, and all course resources including notes, assignment documents/submissions, and lecture notes are stored there. Assignments due dates and exam dates are posted on the course syllabus. I'll be posting your grades in Google Classroom. This is where you can check your grade for the course at any time. You should get into the habit of checking Google Classroom daily for pertinent information.

A tentative course outline is attached at the end of this syllabus. Note, it is up to the instructor's discretion to make adjustments as needed. Any changes will be posted to Google Classroom and announced in class.

Homework Homework will be assigned at the end of each lecture. It is the student's responsibility to submit their work/answers to the Google Form posted on Google Classroom. Grades for homework will be calculated using the following scale:

- 50 % from your completion of all questions and work
- 50 % from your ability to answer the questions on each Google Form correctly

Example: You complete all questions and submit all work and get 8/10 of the questions correctly. Your grade would be calculated by 100 * 0.5 + 80 * 0.5 = 90.

Phones are not allowed during school hours, therefore, students must have access to the internet at home in order to post completed assignments.

The time stamp is recorded each time that you submit a Google Form. Be conscientious of due dates. **PLEASE NOTE: LATE WORK WILL NOT BE ACCEPTED. THERE ARE NO EXCEPTIONS.**

Exams & Projects: There will be a unit exam given at the end of each unit during the semester and a comprehensive, departmental final exam given at the end of each semester. There are no exemptions for the final exam. If you are going to miss a unit exam, contact your instructor immediately, preferably prior to the exam. Missing an exam without contacting your instructor, will result in a 0 for that assignment. Makeup exams are given only under extremely rare and documented circumstances**. If you miss an exam and do not let your instructor know prior, you may face deductions on your exam grade.** Once you begin an exam, you cannot leave the room until the exam is submitted for grading.

In addition to daily lessons, homework, and assessments, each unit will include a culminating project designed to apply the skills and concepts learned in real-world or exploratory contexts. These projects may involve problem-solving, data analysis, graphing, modeling, or creative applications of mathematical ideas. Students will be expected to demonstrate understanding through clear explanations, accurate mathematical work, and effective presentation of results. Depending on your instructor's discretion, projects may be completed individually or in small groups, and grading will be based on a rubric that assesses accuracy, thoroughness, creativity, and clarity of communication.

Grading Scheme: Your grade in the course will be comprised of scores from the following categories. **This course and its grade will be recorded on your official transcript.** Grades will be posted on Google Classroom throughout the semester.

- Exams and Projects (60%)
- Homework and Quizzes (20%)
- Comprehensive Final Exam (20%)

Because this course is taught over a period of two semesters, your final grade will be calculated as **50% from Fall 2025 and 50% from Spring 2026.**

Your high school average will be calculated using the grading scheme outlined above. For your South Plains College transcript, the following scale will be used.

90-100	A
80-89	B
70-79	C
60-69	D
59 or below	F

Where to Get Help: Math can be challenging occasionally. Here are some ways in which you can receive quality assistance.

- As your instructor, I am the best resource for providing assistance. I am available during the listed office hours.
- **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, get to know the tutors, 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 tutor.com link on the left-hand tool bar, click on the tools option from the left-hand menu bar. Then, click on the Tutor.com link and you will automatically be logged in for free tutoring. You can access tutor.com tutors during the following times:
  - Monday – Thursday: 8pm-8am
  - 6pm Friday – 8am Monday morning

Responsibilities & Expectations:

1. Attend class regularly, be on time, and be prepared to learn.
2. Be attentive, take notes, and fully participate in class.
3. **DO ALL HOMEWORK.** Fully invest yourself in the homework process so that you can maximize your potential to be successful in the course. Do your own work, show all work, and complete the homework early enough that you can seek help if needed. Always turn in your homework on time.
4. Cell phones and any other electronic devices must be powered off and put away while you're in the classroom.
5. Be respectful to others in the classroom and assist in maintaining an optimum learning environment for all.

South Plains College
Common Course Syllabus: MATH 2412
Revised July 2023

Department: Mathematics, Engineering, and Computer Science
Discipline: Mathematics
Course Number: MATH 2412
Course Title: Pre-Calculus
Available Formats: conventional, hybrid, and internet
Campuses: Levelland, Downtown Center, and Dual Credit
Course Description: In-depth combined study of algebra, trigonometry, and other topics for calculus readiness.
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 successful completion of NCBM-0114, or a successful completion with a grade of 'C' or better in MATH 1314.

Credit: 4 **Lecture:** 3 **Lab:** 2
Textbook: *Pre-Calculus*, Abramson, OpenStax
Supplies: Please see the instructor's course information sheet for specific supplies.
This course partially satisfies a Core Curriculum Requirement: 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.
2. Recognize and apply algebraic and transcendental functions and solve related equations.
3. Apply graphing techniques to algebraic and transcendental functions.
4. Compute the values of trigonometric functions for key angles in all quadrants of the unit circle measured in both degrees and radians.
5. Prove trigonometric identities.
6. Solve right and oblique triangles.

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 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.

MATH-2412 Pre Cal
Projected Schedule of Units ~ Fall 2025 & Spring 2026

Unit 1 – Fundamental Skills
Unit 2 – Functions & their Graphs
Unit 3 – Polynomial & Rational Functions
Unit 4 – Exponential & Logarithmic Functions
Unit 5 – Trigonometric Functions
Unit 6 – Trigonometric Identities & Equations
Unit 7 – Polar & Parametric Equations
Unit 8 – Vectors
Unit 9 – Conic Sections
Unit 10 – Systems of Equations & Matrices
Unit 11 – Sequences, Series, & Induction