SOUTH PLAINS COLLEGE
MATHEMATICS, ENGINEERING & COMPUTER SCIENCE

Calculus 1 Syllabus
Math 2416-601
Fall 2025

Instructor: Joshua Shelor **Office:** M101 **Telephone:** (806) 716-4673

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Office Hours (Levelland):

Monday and Wednesday:	**9:30 – 10:00 AM**
	12:00 – 1:00 PM
Tuesday	**8:30 – 10:00 AM**
Thursday:	**8:30 – 10:00 AM**
	12:00 – 1:00 PM
Friday:	**9:15 – 10:45 AM (Downtown Campus)**

Email Correspondence: All email correspondence should come from your SPC email address. Please give me up to 24 hours to respond via email. If you email about a specific math question, please attach a picture of the question and the work that you have tried.

Disclaimer: The instructor reserves the right to alter any class policies/dates as deemed necessary by the instructor. If there are any changes, they will be announced **over Blackboard and via your SPC email.**

Showing Work: To receive full credit for practice problems and exams, you must show all the work that leads to your answers. The work must be legible, make sense, and be easy to follow. All work and answers should be handwritten. No calculators or cell phones are to be used to get answers on coursework.

Course Supplies:

- Required: Notebook paper on which to complete your assignments and take notes
- Recommended: Large 3-ring binder with dividers to organize all notes and homework.

Attendance: Course attendance will be taken. Per South Plains College math department policy, you will be administratively dropped from the course if your number of missed submissions goes over 20% of all submissions.

Grading Formula:
Completing all submissions and having a strong work ethic are important but do not guarantee a passing grade. However, these two things do increase the likelihood of passing. The final responsibility for learning lies with the student. The final letter grade for this course will be based on the following:

- Exam #1.....100 points
- Exam #2.....100 points
- Exam #3.....100 points
- Exam #4.....100 points
- Final Exam.....200 points

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

Reviewing Grades on Blackboard: After I grade your assignments, you should be able to log into Blackboard to see your grade.

Missed Assignments and Exam:

- Any graded work submitted after the due date will not be accepted or graded.
- One missed exam, for any reason, will have the comprehensive final exam replace the zero earned. The second missed exam will be a zero.
- If the Final Exam is not attempted, a grade of F will be reported for the student's grade regardless of the grade before the Final Exam was administered.

Academic Dishonesty:
Academic dishonesty will not be tolerated. Please see the list of things that constitute plagiarism and cheating in the general Math 0305 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! The course syllabus, calendar, gradebook, notes handouts, and assignments will be available on Blackboard.
- I am available to help you! Feel free to email me at jshelor@southplainscollege.edu. When you email me, please give me up to 24 hours to respond. If you email about a specific math question, please attach a picture of the question and the work that you have tried.
- Peer tutoring is available via SPC and is required for this course Visit the link below to learn more about SPC tutoring: http://www.southplainscollege.edu/exploreprograms/artsandsciences/teacheredtutoring.php
- Free tutorial videos are available at the following sites: https://www.mathtv.com/ and https://www.khanacademy.org/.

Withdrawal Policy: As required by Texas Education Code Section 51.907, all new students who enroll in a Texas public institution of higher education for the first time beginning with the 2007 fall semester and thereafter, are limited to six course drops throughout their entire undergraduate career. All course drops, including those initiated by students or faculty and any course a transfer student has dropped at another institution, automatically count toward the limit. After six grades of W are received, students must receive grades of A, B, C, D, or F in all courses. There are other exemptions from the six-drop limit and students should consult with a Counselor/Educational Planner before they drop courses to determine these exemptions. Students receiving financial aid must get in touch with the Financial Aid Office before withdrawing from a course. It is the student's responsibility to drop. Excessive absences will result in an administrative withdrawal with a Grade of X or F. If you plan to withdraw, please consult with the instructor immediately. **Note: The last day to drop with a grade of W is the 30th of April 2026.**

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 printouts and practice problems for the course are posted on Blackboard. If you want to get ahead, that is encouraged. Time management is crucial.
- I have found that the best way for a student 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-2413 Calculus 1

Schedule of Topics ~ Spring 2026

Week	Date	Lecture Topic
1	Mon 1/12	Algebra Review and Rate of Change
	Wed 1/14	Introduction to Limits/Indeterminate forms
2	Mon 1/19	No Class
	Wed 1/21	One sided limits and the Sandwich Theorem
3	Mon 1/26	Limits and infinity
	Wed 1/28	Definition of the Derivative
4	Mon 2/2	Derivative as a function and review
	Wed 2/4	Test 1
5	Mon 2/9	Derivative Rules: Power, Product, Quotient
	Wed 2/11	Chain Rule
6	Mon 2/16	Higher derivatives and Free Fall
	Wed 2/18	Implicit Differentiation
7	Mon 2/23	Related Rates
	Wed 2/25	Inverses
8	Mon 3/2	Logarithms, and Inverse trig
	Wed 3/4	Test 2
9	Mon 3/9	Extreme Values and the Mean Value Theorem
	Wed 3/11	Derivative Analysis
10	Mon 3/16	Spring Break
	Wed 3/18	Spring Break
11	Mon 3/23	Graphing Functions
	Wed 3/25	Absolute Extrema
12	Mon 3/30	Optimization

	Wed 4/1	Test 3
13	Mon 4/6	Antiderivatives
	Wed 4/8	Area under the curve
14	Mon 4/13	Riemann Sums and the definite integral
	Wed 4/15	The Fundamental Theorem of Calculus
15	Mon 4/20	Integration Rules
	Wed 4/22	Test 4
16	Mon 4/27	Review