SOUTH PLAINS COLLEGE
MATHEMATICS, ENGINEERING & COMPUTER SCIENCE

Calculus 1 Syllabus
Math 2413-601
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
Tuesday and Thursday: 8:00 – 9:00 AM and 12:00 – 1:00 PM
Friday: 9:30 – 11:30 AM
I will also be available before and after class at the downtown campus for questions

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/explorepprograms/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 Monday, 3 November 2025.**

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 ~ Fall 2025

Week	Date	Lecture Topic	Homework
1	Mon 8/25	**Topic 1.1** ~ Introduction and review	
	Wed 8/27	**Topic 1.2** ~ Introduction to Limits	
2	Mon 9/1	Labor Day – No Class	
	Wed 9/3	**Topic 1.3 ~** One-sided limits and continuity	
3	Mon 9/8	**Topic 1.4** ~ Limits and Infinity	
	Wed 9/10	**Topic 1.5** ~ Slope of the tangent line and the derivative	
4	Mon 9/15	**Topic 1.6** ~ The derivative as a function	
	Wed 9/17	Exam 1	
5	Mon 9/22	**Topic 2.1** ~ Basic Rules of differentiation	
	Wed 9/24	**Topic 2.2** ~ Product Rule and Quotient Rule	
6	Mon 9/29	**Topic 2.3** ~ Chain Rule	
	Wed 10/1	**Topic 2.4** ~ Implicit Differentiation and Inverses	
7	Mon 10/6	**Topic 2.5** ~ Logarithms and Inverse Trig	
	Wed 10/8	**Topic 2.6** ~ Related Rates	
8	Mon 10/13	Exam 2	
	Wed 10/15	**Topic 3.1 ~** Extreme Values	
9	Mon 10/20	**Topic 3.2** ~ Mean Value Theorem	
	Wed 10/22	**Topic 3.3** ~ Derivative Analysis	
10	Mon 10/27	**Topic 3.4** ~ Second Derivative Analysis	
	Wed 10/29	**Topic 3.5** ~ Graphing Functions	
11	Mon 11/3	**Topic 3.6** ~ Optimization	
	Wed 11/5	Exam 3	
12	Mon 11/10	**Topic 4.1** ~ Antiderivatives	
	Wed 11/12	**Topic 4.2** ~ Area and Riemann Sums	
13	Mon 11/17	**Topic 4.3** ~ The Definite Integral	
	Wed 11/19	**Topic 4.4** ~ The Fundamental Theorem of Calculus	
14	Mon 11/24	**Topic 4.5** ~ Basic Integration	
	Wed 11/26	Thanksgiving Break	
15	Mon 12/1	Exam 4	

	Wed 12/3	**Review**	
16	**Mon 12/8**	**Final Exam**	