MATH 1325 Calculus for Business and Social Sciences, Fall 2018

Instructor:	Jason Groves	**Office:**	M107
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Phone:	806-716-2739		
Office Hours:	Tues: 10 am - 11 am, 1:45 pm - 3:45 pm,		
	Thurs: 10 am - 11 am, 1:45 pm - 2:45 pm,		
	Fri: 9 am - Noon		
	or by appointment		

Prerequisites: Successful completion of MATH 1324

Materials: Mathematics with Applications by Lial, Hungerford, Holcomb, Mullins. Suitable writing instruments and paper for taking notes and completing assignments. Calculators with exponential and logarithmic functions are required. Graphing Calculators are permitted, but not required. Access to MyMathLab will be required for doing homework.

   All documents necessary for this course may be found in the "Syllabus" section of this course on BlackBoard.

Expected Learning Outcomes: At the end of this course, students should be able to competently perform the following:

1. Understand the concepts of limit and continuity and apply it to functions

2. Use the derivative to analyze functions and solve applied problems.

3. Use the derivative to find local and absolute extrema of functions, and optimize applied problems.

4. Use the indefinite and definite integrals to find areas, antiderivatives, and solve applied problems

5. Understand implicit derivatives and related rates, and their roles in functions with multiple variables.

   IT IS THE RESPONSIBILITY OF THE STUDENT TO BE FAMILIAR WITH SOUTH PLAINS COLLEGE POLICIES. BELOW ARE ITEMS SPECIFIC TO THIS COURSE

Assessment: Grading will be done according to the standard 10 percent scale (i.e. 100% - 90% is an A, etc.) with assignments weighted as follows:

Homework/Quizzes	20%
Tests	60%
Final Exam	20%

Class Attendance: Students are responsible for the material covered in this course. A student missing two consecutive weeks of classes or 5 individual class days without continuing notification will be dropped from the course. Please note that new state laws only allow for 6 withdrawn courses total. This attendance policy only applies to *this* course.

Homework: MyMathLab will be used in this course. Extensions are not given except at the instructor's discretion.

Quizzes: Quizzes will be given as often as possible to assess classroom performance. They will begin at the start of class and last about 15 minutes. Quiz problems are taken directly from the homework assignments. Quizzes are not dropped and cannot be made up.

Exams: Midterm exams are given during this course. Questions will be similar to assigned homework problems. All exams are cumulative. During exams cell phones, smart-watches, laptops, and other such objects should be turned *off* and put away. There is no tolerance for violations. *Makeup exams are not given*

Final Exam: The final exam is comprehensive, and a required part of the course. Failure to attend the final exam results in an automatic F. If the final exam grade is better than the course average (which includes the final exam, as stated above), then the final exam grade will serve as the grade for the entire course. Find your final exam time based on your section below:

004	Wednesday, May 8, 5:30 pm
005	Tuesday, May 7, 5:30 pm

Civility in the classroom: Students are expected to assist in maintaining a classroom environment that is conducive to learning. Thus inappropriate use of cell phones, making offensive remarks, or engaging in any other form of distraction are not permitted. Infractions will be dealt with proportionally to the offense, and may include dismissal from that class period (which will count as an absence on your attendance record). Tobacco products are not permitted in the classroom.

Honesty: "Scholastic dishonesty" includes but is not limited to cheating, plagiarism, collusion, falsifying academic records, misrepresenting facts, and any act designed to give unfair academic advantage to the student. Incidents of academic dishonesty will be promptly reported and dealt with.

Student Resources: Students have access to tutoring in M116 on the Levelland campus, or Building 2 (rooms 206 and 208) on the Reese campus. MyMathLab also has many videos and instructional resources, and you can create sample tests and quizzes in the "Study Plan" section.

Sexual Misconduct: By law all faculty members are mandated reporters of any incidents of sexual misconduct. That means that faculty cannot keep information about sexual misconduct confidential if you share that information. Dr. Lynne Cleavinger, the Director of Health & Wellness, can advise you confidentially as can any counselor in the Health & Wellness Center. They can also help you access other resources on campus and in the local community. You can reach Dr. Cleavinger at 716-2563 or lcleavinger@southplainscollege.edu or go by the Health and Wellness Center. You can schedule an appointment with a counselor by calling 716-2529.

Campus Concealed Carry: Campus Concealed Carry - Texas Senate Bill - 11 (Government Code 411.2031, et al.) authorizes the carrying of a concealed handgun in South Plains College buildings only by persons who have been issued and are in possession of a Texas License to Carry a Handgun. Qualified law enforcement officers or those who are otherwise authorized to carry a concealed handgun in the State of Texas are also permitted to do so. Pursuant to Penal Code (PC) 46.035 and South Plains College policy, license holders may not carry a concealed handgun in restricted locations. For a list of locations, please refer to the SPC policy at:
http://www.southplainscollege.edu/human_resources/policy_procedure/hhc.php
Pursuant to PC 46.035, the open carrying of handguns is prohibited on all South Plains College campuses. Report violations to the College Police Department at 806-716-2396 or 9-1-1.

ADA Compliance: **Levelland Campus** Students with disabilities, including but not limited to physical, psychiatric, or learning disabilities, who wish to request accommodations in this class should notify the Disability Services Office early in the semester so that the appropriate arrangements may be made. In accordance to federal law, a student requesting accommodations must provide acceptable documentation of his/her disability. For more information, call or visit the Disability Services Office in the Student Services Building, 806-716-2577.

   Reese Center and Lubbock Center Students with disabilities, including but not limited to physical, psychiatric, or learning disabilities, who wish to request accommodations in this class should notify the Disability Services Office early in the semester so that the appropriate arrangements may be made. In accordance to federal law, a student requesting accommodations must provide acceptable documentation of his/her disability. For more information, call or visit the Disability Services Office in Rooms 809 and 811, Reese Center Building 8, 806-716-4675.

date	Business Calculus	
01/14/19	Limits	11.1, 11.2
01/16/19	Continuity	11.9
01/21/19	MLK Day	
01/23/19	Rates of Change	11.3
01/28/19	Tangent Lines and Derivatives	11.4
01/30/19	Derivative Rules, Marginal Analysis	11.5
02/04/19	Product Rule, Quotient Rule, Chain Rule	11.6, 11.7
02/06/19	Derivatives of Exponentials and Logarithms	11.8
02/11/19	Exam 1	Ch. 11
02/13/19	Local Extrema	12.1
02/18/19	Second Derivatives	12.2
02/20/19	Optimization	12.3
02/25/19	Implicit Differentiation	12.4
02/27/19	Related Rates	12.5
03/04/19	Exam 2	Ch. 11, 12
03/06/19	Anti-derivatives	13.1
03/11/19	SPRING BREAK	
03/13/19	SPRING BREAK	
03/18/19	Integration by Substitution	13.2
03/20/19	Integration by Parts	13.3
03/25/19	Definite Integrals and Area	13.4
03/27/19	Fundamental Theorem of Calculus	13.5
04/01/19	Applications of Integration	13.6
04/03/19	Intro to Differential Equations	13.7
04/08/19	Exam 3	
04/10/19	Functions of Several Variables and Partial Derivatives	14.1, 14.2
04/15/19	Extrema of Functions of Several Variables	14.3
04/17/19	Lagrange Multipliers	14.4
04/22/19	EASTER BREAK	
04/24/19	Exam 4	
04/29/19	Final Exam Review	
05/01/19	Final Exam Review	
05/06/19		
05/08/19	FINAL EXAM	

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Student Registration Instructions

To register for Calculus for Business and Social Sciences - MATH 1325-004-sp19 :

1. Go to www.pearson.com/mylab .
2. Under Register, select **Student** .
3. Confirm you have the information needed, then select **OK! Register now** .
4. Enter your instructor's course ID: groves03999 , and **Continue** .
5. Enter your existing Pearson account **username** and **password** to **Sign In** .

   You have an account if you have ever used a MyLab or Mastering product.

   » If you don't have an account, select **Create** and complete the required fields.

6. Select an access option.

   » Enter the access code that came with your textbook or that you purchased separately from the bookstore.
   » If available for your course,
      • Buy access using a credit card or PayPal.
      • Get temporary access.

7. From the You're Done! page, select **Go To My Courses** .
8. On the My Courses page, select the course name **Calculus for Business and Social Sciences - MATH 1325-004-sp19** to start your work.

To sign in later:

1. Go to www.pearson.com/mylab .
2. Select **Sign In** .
3. Enter your Pearson account **username** and **password,** and **Sign In** .
4. Select the course name **Calculus for Business and Social Sciences - MATH 1325-004-sp19** to start your work.

To upgrade temporary access to full access:

1. Go to www.pearson.com/mylab .
2. Select **Sign In** .
3. Enter your Pearson account **username** and **password,** and **Sign In** .
4. Select **Upgrade access** for **Calculus for Business and Social Sciences - MATH 1325-004-sp19 .**
5. Enter an access code or buy access with a credit card or PayPal.