



Department:	Mathematics		
Instructor:			
Phone:			
Email:			
Office Location:	SCI 106		
Office Hours:			
Course Title:	Business Calculus		
Course #:	1325	CRN	
Credit Hours: 3	Lec. Hrs. per wk: 3	Lab Hrs. per wk: 0	

Departmental Course Syllabus

COURSE DESCRIPTION (e-catalog):

This course includes limits and continuity, derivatives, graphing and optimization, exponential and logarithmic functions, antiderivatives, integration, applications to management, economics, and business. (The content level of MATH 1325 is expected to be below the content level of Calculus I, MATH 2413.)

PREREQUISITES, CO-REQUISITES and OTHER REQUIREMENTS:

MATH 1324 or equivalent or department approval

TEXTBOOKS (including ISBN#) and REQUIRED MATERIALS/RECOMMENDED READINGS:

College Mathematics for Business, Economics, Life Sciences & Social Sciences (11th ed), by Barnett (Prentice Hall—Pearson). Textbook and MyMathLab access code are required, either bundled or stand-alone.

9780135131503 Textbook

9780321199911 MyMathLab Access Code

Scientific calculator (required) or graphing calculator (optional)

A student of this institution is not under any obligation to purchase a textbook from a college-affiliated bookstore. The same textbook may also be available from an independent retailer, including an online retailer.

STUDENT LEARNING OUTCOMES:

At the successful completion of this course, you should be able to demonstrate the following student learning outcomes:

1. Model data using appropriate functions.
2. Solve applications using various techniques of Calculus.
3. Organize and analyze data using Microsoft Excel and make projections.

PERFORMANCE OBJECTIVES:

During this course you will be engaged in addressing the following course objectives:

1. Finding limits of functions.
2. Finding the limit at infinity.
3. Finding the equations of tangent lines.
4. Finding derivatives of pol
5. Applying the chain rule.
6. Solving application problems by differe
7. Finding relative and absolute extrema.
8. Applying the first and the second derivative in sketching the gr
9. Finding derivatives of exponential and logarithmic functions.
10. Solving application problems with expon

11. Finding indefinite integrals by formula.
12. Performing integration by part
13. Using integrals to find areas.
14. Applying the definite integral in problem solving.

METHODS OF MEASUREMENT (grade requirements):

Grades will be determined by performance on unit tests, a comprehensive, cumulative final examination, and homework assignments as determined by the instructor.

The weight of each component will be determined by the instructor and stated in his/her course outline.

The following scale will be used in assigning grades:

A: 90% - 100%

B: 80% - 89%

C: 70% - 79%

D: 60% - 69%

F: Below 60%

I: Passing, but did not complete all required work (one unit test or the final examination, for example).

(Student must complete work within 120 days, or the grade is changed to an F.)

STUDENT RESPONSIBILITIES:

A. Attendance

Effective Spring Term 2010, student absences will be recorded from the first day the class meets.

Regular and punctual attendance in all classes and laboratories, day and evening, is required. Students who are absent for any reason should always consult with their instructors. Course syllabi must provide specific information regarding attendance, including, for courses involving the internet, online activity that constitutes "attendance." Also, both tardiness and early departure from class may be considered forms of absenteeism. In all cases, students will be held responsible for completion of course requirements covered in their absence. Additionally, it is the student's responsibility to drop a course for nonattendance.

Course instructors establish policy with regard to attendance in their respective syllabi and may drop a student for excessive absences. Absences are considered excessive when more than 12.5 percent of the total contact hours of instruction in a semester, including lecture and lab, are missed. For example, in a three-credit-hour lecture class, students may be dropped after more than six contact hours of absences. In a four-credit-hour lecture/lab class, students may be dropped after more than eight contact hours of absences. Absences are counted regardless of whether they occur consecutively. In special programs with additional accreditation or certification standards, additional attendance requirements may be enforced but faculty must clearly explain these policies in their syllabi.

Students who stop attending class for any reason should contact the instructor and the college registrar to officially withdraw from the class. Students may be required to consult with an advisor or designee before dropping. Failure to officially withdraw may result in a failing grade for the course. It is the student's responsibility to withdraw officially from a class by submitting a completed Withdrawal Form to the Admissions and Records Office.

B. Online Class Attendance and Participation

Attendance and presence are required for online courses. It is estimated that a student's involvement in an online course will take six to eight hours a week. Students are expected to log on and participate

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in discussions and other activities, as directed by the instructor and outlined in the course syllabus. Lack of participation in online discussions or activities may be considered an absence.

C. Tardiness

Since tardiness is a form of absenteeism, the instructor may establish a policy regarding tardiness.

D. Plagiarism

In conjunction with The Student Code of Conduct, “scholastic dishonesty involving, but not limited to, cheating on a test, plagiarism and collusion” are a violation and will not be tolerated. Students may be subject to disciplinary proceedings resulting in an academic penalty or disciplinary penalty for academic dishonesty. Academic Dishonesty includes, but is not limited to, cheating on a test, plagiarism and collusion. For additional information, refer to the “Student Code of Conduct” in the St. Philip’s College Student Handbook.

COLLEGE POLICIES:

A. SOFTWARE POLICY

When a student uses a campus computer, he/she indicates acceptance of the College’s acceptable use guidelines. Among other provisions, these include a prohibition against any downloading, installing, or illegal copying of any commercial software.

B. All of the Alamo Colleges are tobacco free.

C. Alamo Colleges DPS Emergency Phone Numbers:

Emergency Phone (210) 222-0911

General Phone (210) 485-0099

Weather Phone (210) 485-0189 (For information on college closures)

D. Disability Access Statement

In accordance with the Americans with Disabilities Act (ADA) and Section 504 of the Rehabilitation Act, it is the responsibility of the student to self-identify with the campus Disability Support Services office. Only those students with appropriate documentation will receive a letter of accommodation from the Disability Support Services office. Instructors are required to follow only those accommodation and/or services outlined in the letter of accommodation. For further information, please contact the Disability Support Services office at (210) 486-2020 or visit the office located in the Sutton Learning Center, Rm. 103. If you have specific needs, please discuss them privately with your instructor.

TEST POLICY: Each instructor will establish a testing policy.

TUTORING: In addition to receiving in- and out-of-class help from the instructor, students may obtain assistance in Mathematics Lab, NTB 307 or in Educational Support Services, NTB 116. There is no charge for these services.