Business Calculus (MATH 1325-2A1) Online

INSTRUCTOR CONTACT INFORMATION

Instructor:	Widad Abedelwahab
Email:	whabedelwahab@lit.edu
Office Phone:	(409)241-7873
Office Location:	Building T5 Room 106
Office Hours:	M 9:00 am – 11:00 am, 12:00 pm – 1:00 pm
	T 9:00 am – 11:00 am
	W 9:00 am – 11:00 am
	R 9:00 am – 11:00 am, 2:00 pm – 3:00 pm

CREDIT

3 Semester Credit Hours (3 hours lecture)

MODE OF INSTRUCTION

Fully Online

PREREQUISITE/CO-REQUISITE:

- Passed MATH 1314 College Algebra with a "C" or better.
- Complete the Online Orientation and answer yes to 7+ questions on the Online Learner Self-Assessment:
  http://www.lit.edu/depts/DistanceEd/OnlineOrientation/OOStep2.aspx
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COURSE DESCRIPTION

This course is the basic study of limits and continuity, differentiation, optimization and graphing, and integration of elementary functions, with emphasis on applications in business, economics, and social sciences. This course is not a substitute for MATH 2413, Calculus I

COURSE OBJECTIVES

Upon completion of this course, the student will be able to

1. Apply calculus to solve business, economics, and social sciences problems.
2. Apply appropriate differentiation techniques to obtain derivatives of various functions, including   logarithmic and exponential functions.
3. Solve application problems involving implicit differentiation and related rates.
4. Solve optimization problems with emphasis on business and social sciences applications.
5. Determine appropriate technique(s) of integration.
6. Integrate functions using the method of integration by parts or substitution, as Appropriate.
7. Solve business, economics, and social sciences applications problems using integration techniques.

Approved: Initials/date

REQUIRED TEXTBOOK AND MATERIALS

1. MyMathLab Standalone Access Code

   a. May be purchased online at **www.mymathlab.com**

   b. May be purchased at a local bookstore:

      ISBN 9780135903896---- 18 Weeks
      ISBN 9780134856797---- 24 Months

2. A basic scientific calculator: *please check with your individual instructor as to the specific type of calculator required.*

ATTENDANCE POLICY
You should be able to log in to blackboard at least 4 hours a week to check for announcements and go to MyMathLab to work on the assignments.

DROP POLICY
If you wish to drop a course, you are responsible for initiating and completing the drop process by the specified drop date as listed on the Academic Calendar. If you stop working on the assignments and fail to drop the course, you will earn an "F" in the course.

STUDENT EXPECTED TIME REQUIREMENT
For a 3-credit-hour class, students should prepare to allocate approximately six to nine hours per week.

Course Requirements
1. The student must purchase all of the required course materials.
2. The student will be expected to have access to the Internet and a computer with webcam and microphone.
3. Blackboard logon and access to course a minimum of four times per week.
4. Additional course requirements on blackboard.
5. Students should read all the information under the home page and class information tab on blackboard before starting on the first week assignments.

COURSE CALENDAR

Week	TOPIC	ASSIGNMENTS (Due on this Date)
Week 1	The first week assignments listed on the assignments calendar under the home page and class information. Step # 1: Getting started activities	The due dates on blackboard under the assignments calendar and on MyMathLab Read all the information on blackboard
Week 2 and 3	Chapter 1: Functions and Graph Section 1.1 – 1.6	Read the information under Step # 2 on blackboard then go to MyMathLab and work on the assignments
Week 4, 5, and 6	Chapter 2: Limits and the Derivative Sections 2.1 – 2.5 and 2.7	Read the information under Step #3 on blackboard then go to MyMathLab and work on the assignments
Week 7 and 8	Chapter 3: Additional Derivative Topics Sections 3.1 - 3.4	Read the information under Step #4 on blackboard then go to MyMathLab and work on the assignments
Week 9 and 10	Chapter 4: Graphing and Optimization Sections 4.1 – 4.2 and 4.5 – 4.6	Read the information under Step #5 on blackboard then go to MyMathLab and work on the assignments
Week 11 and 12	Chapter 5: Integration Sections 5.1 - 5.2 and 5.4 – 5.5	Read the information under Step #6 on blackboard then go to MyMathLab and work on the assignments
Week 13	Chapter 6: Additional Integration Topics Sections 6.1 and 6.3	Read the information under Step #7 on blackboard then go to MyMathLab and work on the assignments
Week 14 and 15	Chapter 7: Multivariable Calculus Section 7.1	Read the information under Step #8 on blackboard then go to MyMathLab and work on the assignments
	The Final submission with penalty for late assignments is May 5th at 5:00 pm	

COURSE EVALUATION

Final grades will be calculated according to the following criteria:

Online Exams   60%

Course Assignments (Including Core Assessment)   40%

(Chapter tests will be taken on MyMathLab using Respondus Lockdown Browser)
More information on blackboard under testing information tab and MyMathLab information tabs.

This class requires you to be proctored while taking ALL of your tests. The proctoring service will be provided by MyMathLab. You must have a computer (NOT a tablet, NOT a mobile device, NOT a chrome book, NOT a cell phone), a webcam, a microphone, and access to high speed internet.

GRADE SCALE

- 90-100   A
- 80-89   B
- 70-79   C
- 60-69   D
- 0-59   F

LIT does not use +/- grading scales

ACADEMIC DISHONESTY

Students found to be committing academic dishonesty (cheating, plagiarism, or collusion) may receive disciplinary action. Students need to familiarize themselves with the institution's Academic Dishonesty Policy available in the Student Catalog & Handbook at http://catalog.lit.edu/content.php?catoid=3&navoid=80#academic-dishonesty.

TECHNICAL REQUIREMENTS

The latest technical requirements, including hardware, compatible browsers, operating systems, etc. can be online at https://lit.edu/online-learning/online-learning-minimum-computer-requirements. A functional broadband internet connection, such as DSL, cable, or WiFi is necessary to maximize the use of online technology and resources.

DISABILITIES STATEMENT

The Americans with Disabilities Act of 1990 and Section 504 of the Rehabilitation Act of 1973 are federal anti-discrimination statutes that provide comprehensive civil rights for persons with disabilities. LIT provides reasonable accommodations as defined in the Rehabilitation Act of 1973, Section 504 and the Americans with Disabilities Act of 1990, to students with a diagnosed disability. The Special Populations Office is located in the Eagles' Nest Room 129 and helps foster a supportive and inclusive educational environment by maintaining partnerships with

faculty and staff, as well as promoting awareness among all members of the Lamar Institute of Technology community. If you believe you have a disability requiring an accommodation, please contact the Special Populations Coordinator at (409)-951-5708 or email specialpopulations@lit.edu. You may also visit the online resource at Special Populations - Lamar Institute of Technology (lit.edu).

STUDENT CODE OF CONDUCT STATEMENT
It is the responsibility of all registered Lamar Institute of Technology students to access, read, understand and abide by all published policies, regulations, and procedures listed in the *LIT Catalog and Student Handbook*. The *LIT Catalog and Student Handbook* may be accessed at www.lit.edu. Please note that the online version of the *LIT Catalog and Student Handbook* supersedes all other versions of the same document.

STARFISH
LIT utilizes an early alert system called Starfish. Throughout the semester, you may receive emails from Starfish regarding your course grades, attendance, or academic performance. Faculty members record student attendance, raise flags and kudos to express concern or give praise, and you can make an appointment with faculty and staff all through the Starfish home page. You can also login to Blackboard or MyLIT and click on the Starfish link to view academic alerts and detailed information. It is the responsibility of the student to pay attention to these emails and information in Starfish and consider taking the recommended actions. Starfish is used to help you be a successful student at LIT.

ADDITIONAL COURSE POLICIES information
Read all the information under the home page on blackboard.
Follow the instructions.
If you have any questions or you need help you can call me on my office phone number listed on the syllabus.
We communicate using the office phone number, announcements, emails (Please use LIT email. I do not respond to personal emails)