



WACO, TEXAS

**COURSE SYLLABUS
AND
INSTRUCTOR PLAN**

CALCULUS BUSINESS & SOCIAL SCIENCE

MATH 1325.88

Dr Deanna R Barnes

NOTE: This is an Online Summer course.

CALCULUS BUSINESS & SOCIAL SCIENCE

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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.

Prerequisites and/or Corequisites:

Math 1324 (Mathematics for Business & Social Sciences) or Math 1314 (College Algebra) with a minimum grade of C, or pass college algebra placement test, or consent of division director.

Course Notes and Instructor Recommendations:

Math 1325 in an online format involves optional meetings during office hours, and mandatory online discussions. Class notes, videos and discussions will be available in Brightspace. Optional Exam reviews will be available in MyMathLab. While they are strongly recommended, they will not affect your grade other than helping you to score better on your exams. You are allowed unlimited attempts on the review but only one attempt on an exam. Online homework assignments as well as videos and ancillaries will be located at www.pearsonmylabandmastering.com.

Instructor Information:

Instructor Name: Deanna R. Barnes

MCC E-mail: dbarnes@mclennan.edu

Office Phone Number: 254-299-8810

Cell Phone Number: 713-459-5045

(Text first, then I will call back. Be sure to tell me who you are and what class you are in.)

Office Location: MATH 218

Office Hours: Office hours are available by appointment

Link to Zoom Meeting Room: [Personal ID Number 2542998810](#)

Required Text & Materials:

Title: MyMathLab Student Access Kit (Standalone) **Finite Math and Calculus with Applications**
Edition: 11th ed.

Publisher: Pearson

ISBN-13: 9780137376872

Required graphing calculator – TI-83, TI-83 Plus, TI-84, or TI-84 Plus

ABSOLUTELY NO TI-89, HP-48 or similar CAS calculators allowed (symbolic integration capable)

MCC Bookstore Website: <http://www.mclennan.edu/bookstore/>

Methods of Teaching and Learning:

The best way to approach the course is to watch the lecture video while taking notes, do the homework then the exams in the assigned order. Work through the weekly checklists in Brightspace in the order material and tasks are presented. **Be sure to check off items inside the checklist once they are completed. You must check off every item inside the available Checklist in order to unlock and release the next component checklist.**

Course Objectives and/or Competencies:

Upon completion of the 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.

Course Outline or Schedule:

In order to be successful in this course, I strongly urge you to do the following each week:

1. Go to Brightspace, click on the Component you are working on.
2. Follow the steps in the Component Checklist in the order they appear. Do not try to skip around or work out of order. The course is designed to help you move through the material as efficiently as possible.

Pay attention to the calendar below. Begin each component by opening the Checklist.

Be sure to check off items as you complete them. (this unlocks the next checklist) Work through the course in the order items are presented in the Checklists.

Remember **Due Dates are NOT Start Dates**. Each component represents what would normally be assigned for one Week during a long semester.

It is always easier to keep up than to catch up. Consequently, you may want to work ahead to build in a buffer for when “life happens”, as it usually does, at the most inopportune time.

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Component Due Date	Assignments Due by 11:00pm CST	Component Due Date	Assignments Due by 11:00pm CST
Component 1 July 11	Discussion 1 Sec 11.1 – 11.4	Component 9 July 27	Discussion 9 Sec 14.3 – 14.4
Component 2 July 13	Discussion 2 Sec 12.1 – 12.3	Component 10 July 29	Discussion 10 Exam 3
Component 3 July 15	Discussion 3 Sec 12.4 – 12.5	Component 11 July 31	Discussion 11 Sec 15.1 – 15.2
Component 4 July 17	Discussion 4 Exam 1	Component 12 August 2	Discussion 12 Sec 15.4 – 15.5
Component 5 July 19	Discussion 5 Sec 13.1 – 13.2	Component 13 August 4	Discussion 13 Sec 16.2, 16.4, 16.5
Component 6 July 21	Discussion 6 Sec 13.3 – 13.4	Component 14 August 6	Discussion 14 Exam 4
Component 7 July 23	Discussion 7 Exam 2	Component 15 August 8	FINAL EXAM Covers Chapters 11 - 16
Component 8 July 25	Discussion 8 Sec 14.1 – 14.2	August 10	Grades due to Registrar

Course Grading Information:

Discussion Board	20%
Homework (MyMathLab)	20%
Exams	60%
Final Exam	20%

The lowest online exam and homework grade will be dropped. The comprehensive final exam will NOT be dropped.

Your course average can be found in Brightspace under “Assessments”. Homework will be a completion grade calculated at the time of each exam. In order to earn credit for completing a section of homework, you need to earn at least 70% in MML. You will have four homework grades that correspond to the four exams. Any section of homework that has a grade less than 70 will deduct ten points from your homework grade for each section with a grade less than 70.

Having someone else do your online homework assignment and cheating on a test are both violations of the academic integrity policy and either may result in failing grades and/or being dropped from the class. Infractions such as these will be reported to the administration for tracking and possible disciplinary action.

Late Work, Attendance, and Make Up Work Policies:

Due dates for online homework, exams and discussion boards will be clearly communicated, however, these are there to help you pace yourself to be able to finish the course on time. All work will be available throughout the duration of the course. I will update grades in Brightspace

based upon the due dates. If you fall behind, I will record a zero for the late assignment but will change the grade once the assignment is completed. You will see the changed grade the next time I update grades in Brightspace. I update grades manually, so double check your grades in Brightspace against what you see in MML to ensure there are no type-o's. All work must be completed by noon, the last day of class.

Make attendance a priority. **If you fall more than two components behind, you may be dropped from the class for lack of participation.** This may happen *without warning* so plan on keeping up or working ahead. If you fall behind, you need to reach out to me with an explanation in order to avoid being dropped.

Student Behavioral Expectations or Conduct Policy:

Students are expected to maintain classroom decorum that includes respect for other students and the instructor, prompt and regular attendance, and an attitude that seeks to take full advantage of the education opportunity.

[Click Here for the MCC Attendance/Absences Policy](https://www.mclennan.edu/highlander-guide/policies.html)

(<https://www.mclennan.edu/highlander-guide/policies.html>)

Click on the link above for the college policies on attendance and absences. Your instructor may have additional guidelines specific to this course.

Updated 11/04/2022



ACADEMIC RESOURCES/POLICIES

Accommodations/ADA Statement:

Any student who is a qualified individual with a disability may request reasonable accommodations to assist with providing equal access to educational opportunities. Students should contact the Accommodations Coordinator as soon as possible to provide documentation and make necessary arrangements. Once that process is completed, appropriate verification will be provided to the student and instructor. Please note that instructors are not required to provide classroom accommodations to students until appropriate verification has been provided by the Accommodations Coordinator. For additional information, please visit www.mclennan.edu/disability.

Students with questions or who require assistance with disabilities involving physical, classroom, or testing accommodations should contact:

disabilities@mclennan.edu 254-
2998122

Room 319, Student Services Center

Title IX:

We care about your safety, and value an environment where students and instructors can successfully teach and learn together. If you or someone you know experiences unwelcomed behavior, we are here to help. Individuals who would like to report an incident of sexual misconduct are encouraged to immediately contact the acting Title IX Coordinator at titleix@mclennan.edu or by calling, Dr. Claudette Jackson, (Diversity, Equity & Inclusion/Title IX) at (254) 299-8465. MCC employees are mandatory reporters and must report incidents immediately to the Title IX Coordinator. Individuals may also contact the MCC Police Department at (254) 299-8911 or the MCC Student Counseling Center at (254) 299-8210. The MCC Student Counseling Center is a confidential resource for students. Any student or employee may report sexual harassment anonymously by visiting <http://www.lighthouse-services.com/mclennan/>.

Go to McLennan's Title IX webpage at www.mclennan.edu/titleix/. It contains more information about definitions, reporting, confidentiality, resources, and what to do if you or someone you know is a victim of sexual misconduct, gender-based violence or the crimes of rape, acquaintance rape, sexual assault, sexual harassment, stalking, dating violence, or domestic violence.

Student Support/Resources:

MCC provides a variety of services to support student success in the classroom and in your academic pursuits to include counseling, tutors, technology help desk, advising, financial aid, etc. A listing of these and the many other services available to our students is available at <http://www.mclennan.edu/campus-resource-guide/>

Academic Support and Tutoring is here to help students with all their course-related needs. Specializing in one-on-one tutoring, developing study skills, and effectively writing essays. Academic Support and Tutoring can be found in the Library and main floor of the Learning Commons. This service is available to students in person or through Zoom from 7:30 am - 6:00 pm Monday through Thursday and 7:30 am - 5:00 pm on Friday. You can contact the Academic Support and Tutoring team via Zoom (<https://mclennan.zoom.us/j/2542998500>) or email (ast@mclennan.edu) during the above mentioned times.

College personnel recognize that food, housing, and transportation are essential for student success. If you are having trouble securing these resources or want to explore strategies for balancing life and school, we encourage you to contact either MCC CREW – Campus Resources Education Web by calling (254) 299-8561 or by emailing crew@mclennan.edu or a Success Coach by calling (254) 299-8226 or emailing SuccessCoach@mclennan.edu. Both are located in the Completion Center located on the second floor of the Student Services Center (SSC) which is open Monday-Friday from 8 a.m.-5 p.m.

Paulanne's Pantry (MCC's food pantry) provides free food by appointment to students, faculty and staff. To schedule an appointment, go to https://mclennan.co1.qualtrics.com/jfe/form/SV_07byXd7eB8iTqJg. Both the Completion Center and Paulanne's Pantry are located on the second floor of the Student Services Center (SSC).

MCC Foundation Emergency Grant Fund:

Unanticipated expenses, such as car repairs, medical bills, housing, or job loss can affect us all. Should an unexpected expense arise, the MCC Foundation has an emergency grant fund that may be able to assist you. Please go to

<https://www.mclennan.edu/foundation/scholarships-and-resources/emergencygrant.html> to find out more about the emergency grant. The application can be found at https://www.mclennan.edu/foundation/docs/Emergency_Grant_Application.pdf.

MCC Academic Integrity Statement:

Go to www.mclennan.edu/academic-integrity for information about academic integrity, dishonesty, and cheating.

Minimum System Requirements to Utilize MCC's D2L|Brightspace:

Go to <https://www.mclennan.edu/center-for-teaching-and-learning/FacultyandStaffCommons/requirements.html> for information on the minimum system requirements needed to reliably access your courses in MCC's D2L|Brightspace learning management system.

Minimum Technical Skills:

Students should have basic computer skills, knowledge of word processing software, and a basic understanding of how to use search engines and common web browsers.

Backup Plan for Technology:

In the event MCC's technology systems are down, you will be notified via your MCC student email address. Please note that all assignments and activities will be due on the date specified in the Instructor Plan, unless otherwise noted by the instructor.

Email Policy:

McLennan Community College would like to remind you of the policy (<http://www.mclennan.edu/employees/policy-manual/docs/E-XXXI-B.pdf>) regarding college email. All students, faculty, and staff are encouraged to use their McLennan email addresses when conducting college business.

A student's McLennan email address is the preferred email address that college employees should use for official college information or business. Students are expected to read and, if needed, respond in a timely manner to college emails. For more information about your student email account, go to www.mclennan.edu/studentemail.

Instructional Uses of Email:

Faculty members can determine classroom use of email or electronic communications. Faculty should expect and encourage students to check the college email on a regular basis. Faculty should inform students in the course syllabus if another communication

method is to be used and of any special or unusual expectations for electronic communications.

If a faculty member prefers not to communicate by email with their students, it should be reflected in the course syllabus and information should be provided for the preferred form of communication.

Email on Mobile Devices:

The College recommends that you set up your mobile device to receive McLennan emails. If you need assistance with set-up, you may email Helpdesk@mclennan.edu for help.

You can find help on the McLennan website about connecting your McLennan email account to your mobile device:

- [Email Setup for iPhones and iPads](#)
- [Email Setup for Androids](#)

Forwarding Emails:

You may forward emails that come to your McLennan address to alternate email addresses; however, the College will not be held responsible for emails forwarded to an alternate address that may be lost or placed in junk or spam filters.

For more helpful information about technology at MCC, go to [MCC's Tech Support Cheat Sheet](#) or email helpdesk@mclennan.edu.

Disclaimer:

The resources and policies listed above are merely for informational purposes and are subject to change without notice or obligation. The College reserves the right to change policies and other requirements in compliance with State and Federal laws. The provisions of this document do not constitute a contract.