WACO, TEXAS

COURSE SYLLABUS

AND

INSTRUCTOR PLAN

CALCULUS BUSINESS & SOCIAL SCIENCE

MATH 1325.O281

Dr Deanna R Barnes

NOTE: This is an Online Summer course.

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 attmepts 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 Attendance/Participation Guidelines:

If a student is not in attendance in accordance with the policies/guidelines of the class as outlined in the course syllabus as of the course census date, faculty are required to drop students from their class roster prior to certifying the respective class roster. A student's financial aid will be re-evaluated accordingly and the student will only receive funding for those courses attended as of the course census date.

Before the 60% point of the semester, a student who is absent for 25% or more of a face-to-face or blended course or who misses 25% or more of assigned work for an online course will be withdrawn from the course with a grade of W. A student may also request to be withdrawn with a grade of W before the 60% point of the semester. After the 60% point of the semester, the student may request to be withdrawn if the student is passing, or be assigned the final grade earned at the end of the semester after grades have been updated to reflect missing work.

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.
3. Pay attention to the calendar below. Begin each component by opening the Checklist**.**
4. **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.
5. Remember Due Dates are NOT Start Dates. Each component represents what would normally be assigned for one Week during a long semester.
6. 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.

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

Course Grading Information:

Discussion Board	15%
Homework (MyMathLab)	15%
Exams	50%
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 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)

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

07/02/2024

MCLENNAN COMMUNITY COLLEGE

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 Accommodations (Disability Services) 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)299-8122 Room 319, Student Services

Title IX:

Title IX of the Education Amendments of 1972 is a Federal civil rights law that prohibits discrimination on the basis of sex in educational programs and activities that receive Federal funds. 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 a Title IX incident are encouraged to immediately contact the Title IX Coordinator at titleix@mclennan.edu or by calling, Dr. Claudette Jackson, (Accommodations/Title IX) at (254) 299-8465.

Additionally, Title IX provides rights and protections for pregnant and newly parenting students which can include educational accommodations such as excused absences

and the opportunity to make up assignments and tests. Lactation spaces are also available on campus. Please email titleix@mclennan.edu for more information.

MCC employees are mandatory reporters and must report incidents immediately to the Title IX Coordinator. Faculty and Staff may email titleix@mclennan.edu to submit a report.

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 may report sexual harassment anonymously by visiting https://www.lighthouse-services.com

Visit McLennan's Title IX webpage at https://www.mclennan.edu/titleix/ to learn more about Title IX protections, reporting, and resources.

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. You can contact the Academic Support and Tutoring team via Zoom or email (ast@mclennan.edu) by going to our website (https://www.mclennan.edu/academic-support-and-tutoring/)

At our campus, we understand that students face numerous challenges beyond the classroom. That's why we offer Success Coaches who are dedicated to helping you succeed. Our coaches know that life can sometimes get in the way of your educational goals. Through personalized meetings, Success Coaches empower you to overcome obstacles, maximize your potential, and create a clear path to both academic and personal success. Our Success Coaches are ready to help you achieve your dreams! Schedule your appointment today by calling 254-299-8226 or emailing success@mclennan.edu.

College personnel also recognize that food, housing, and transportation are essential for student success. If you are having trouble securing these resources and other essential resources, we encourage you to contact the CREW - Campus Resources Education Web by calling 254-299-8561 or emailing crew@mclennan.edu.

Paulanne's Pantry (MCC's food pantry) provides free food by appointment to students, faculty and staff. To schedule an appointment, go to https://calendly.com/paulannespantry-mcc/15min.

Success Coaching Services, the CREW, and Paulanne's Pantry are located on the second floor of the Student Services building in Success Coaching Services, suite 249.

The Student Counseling Center offers confidential mental health counseling to currently enrolled students at no charge. Counselors are trained to help students with problems related to personal, social, and emotional concerns. Sessions focus on short-term goals in order to facilitate students college success and adjustment. This service is available to students in person or through Zoom.

Make an appointment to meet with a counselor by visiting the center in the Wellness & Fitness building, room 101, calling 254-299-8210, or emailing counseling@mclennan.edu.

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/scholarships-and-resources/emergencygrant.html

MCC Academic Integrity Statement:

Please view our Academic integrity statement for more information about academic integrity, dishonesty, and cheating. The unauthorized use of artificial intelligence (AI) for classwork can be a violation of the College's General Conduct Policy. Whether AI is

authorized in a course and the parameters in which AI can be used in a course will be outlined by each instructor.

Minimum System Requirements to Utilize MCC's D2L|Brightspace:
Go to https://www.mclennan.edu/center-for-teaching-and-learning/Faculty-and-StaffCommons/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 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.