

Updated 07/18/2023



WACO, TEXAS

**COURSE SYLLABUS
AND
INSTRUCTOR PLAN**

CALCULUS I

MATH 2413.O080

Dr. DEANNA R. BARNES

NOTE: This is a 16-week Online course.

INTRODUCTION TO STATISTICS

MATH 2413.O080

Course Description:

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. Students are expected to come to class prepared and with supplies necessary to participate actively in each class meeting.

Prerequisites and/or Corequisites:

MATH 2412 or MATH 1314 and MATH 1316, or consent of division chair. Semester Hours 4 (4 lec)

Course Notes and Instructor Recommendations:

Math 2413 in an online format involves optional meetings during office hours, and online discussions. Class notes, lecture videos and discussions will be available in Brightspace. Instructor lecture notes and videos are available in Brightspace. Online homework assignments as well as online book content will be located inside MyMathLab (online learning platform). **Students are required to upload all handwritten work for all exams.** NO CREDIT will be given if your work does not support your answer. Work for exams must be handwritten, neat, and numbered and uploaded within 15 minutes of submitting the exam in MyMathLab.

Instructor Information:

Instructor Name: Deanna R. Barnes

MCC Email: 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 which class you are in.)

Office Location: MATH 218

Office/Teacher Conference Hours: Text for Zoom meeting any time 8:00am to 8:00pm M-S

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

Required Text & Materials:

Title: MyMathLab Student Access Kit (Standalone)

Publisher: Pearson

ISBN-13: 9780134764559

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:

You will need to click on the Component Checklist for the week that you are working on.

Follow the instructions inside each component checklist. In order to “unlock” a component, you

INTRODUCTION TO STATISTICS

MATH 2413.O080

must check off EVERY ITEM INSIDE the previous checklist, beginning with “START HERE” in Brightspace. Complete tasks in the order they are presented in the checklists.

Course Objectives and/or Competencies:

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

1. Develop solutions for tangent and area problems using the concepts of limits, derivatives, and integrals.
2. Draw graphs of algebraic and transcendental functions considering limits, continuity, and differentiability at a point.
3. Determine whether a function is continuous and/or differentiable at a point using limits.
4. Use differentiation rules to differentiate algebraic and transcendental functions.
5. Identify appropriate calculus concepts and techniques to provide mathematical models of real-world situations and determine solutions to applied problems.
6. Evaluate definite integrals using the Fundamental Theorem of Calculus.
7. Articulate the relationship between derivatives and integrals using the Fundamental Theorem of Calculus

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.

Late Work, Attendance, and Make Up Work Policies:

In order to get the most out of this class and not get confused, it is important that you not fall behind. I will not deduct points for late work but all work must be completed by the last day of class. Any missing work will be recorded as a zero. I will update grades in Brightspace (your official course grade) based upon the due dates. I will record a zero for any missing work but will update your score with what you earn the next time I update grades.

You may be dropped from the course (without further warning) for lack of online participation if you fall more than two components behind on course work. Consequently, you should plan on working in MyMathLab daily. Research shows that successful students spend approximately 2

INTRODUCTION TO STATISTICS

MATH 2413.O080

hours working outside of class for every one hour in class. Since our class is a 4 hour class, you should expect to work an additional 8 hours per component outside of class time to be successful.

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.** 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.

Component Due Date	Assignments Due by 11:00pm CST	Component Due Date	Assignments Due by 11:00 pm CST
Component 1 August 25	Discussion 1 Sec 2.1 – 2.3, Quiz 1	Component 9 October 20	Discussion 9 Sec 4.5 – 4.6, Quiz 8
Component 2 September 1	Discussion 2 Sec 2.4 – 2.6, Quiz 2	Component 10 October 27	Discussion 10 Sec 4.8, Quiz 9 , Exam 3
Component 3 September 8	Discussion 3 Exam 1 , Sec 3.1 – 3.3	Component 11 November 3	Discussion 11 Sec 5.1 – 5.2, Quiz 10
Component 4 September 15	Discussion 4 Quiz 3 Sec 3.4 - 3.5, Quiz 4	Component 12 November 10	Discussion 12 Sec 5.3 – 5.4, Quiz 11
Component 5 September 22	Discussion 5 Sec 3.6- 3.8, Quiz 5	Component 13 November 17	Discussion 13 Sec 5.5 – 5.6, Quiz 12
Component 6 September 29	Discussion 6 Sec 3.9 – 3.11, Quiz 6	Component 14 November 24	Discussion 14 Exam 4
Component 7 October 6	Discussion 7 Exam 2 (Covers ALL of Chapter 3) MIDTERM EXAM (Covers Chapters 2 & 3)	Component 15 December 1	FINAL EXAM Covers Chapters 2 - 5
Component 8 October 13	Discussion 8 Sec 4.1 – 4.4, Quiz 7	December 5	Grades due to Registrar

INTRODUCTION TO STATISTICS

MATH 2413.O080

Course Grading Information:

Your course average can be found in Brightspace under “Assessments” and will be calculated as follows:

Discussion Board	10%
Homework (MyMathLab)	15%
Quizzes	15%
Exams (4)	30%
Midterm Exam	15%
Final Exam	15%

The lowest discussion, homework, quiz and exam grade will be dropped. The comprehensive final exam will NOT be dropped.

All work for ALL EXAMS must be handwritten, numbered (in the order of the problems in the exam) and NEAT. It MUST be uploaded in the Assignment area in Brightspace within 15 minutes of submitting your exam in MyMathLab. Failure to do so will cause you to lose 100% of your score in MyMathLab for problems requiring work. Any work that does not support your answer will cause points to be deducted from the grade in MyMathLab. You will not receive credit for “guessing” or divine inspiration.

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 MyMathLab. You will have four homework grades that correspond to four exams.

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.

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You may be dropped from the course (without further warning) for lack of online participation if you fall more than two components behind on course work. Consequently, you should plan on working in MyMathLab daily. Research shows that successful students spend approximately 2 hours working outside of class for every one hour in class. Since our class is a 4 hour class, you should expect to work an additional 8 hours per component outside of class time if you want to be successful.

INTRODUCTION TO STATISTICS

MATH 2413.O080

Supplemental Instruction:

This course has been selected to participate in MCC's Supplemental Instruction (SI) Program. SI is a series of weekly review sessions designed to help students succeed in their academic pursuits. SI is for ALL students who want to improve their understanding of Calculus I and improve their grades.

The sessions offer a chance to meet with classmates to compare notes, discuss important concepts, develop strategies for studying, and test yourselves before exams. At each session, you will be guided through the materials by your SI Leader who has previously taken this course and done well.

Each week, the SI Leader will conduct two one-hour sessions. You may attend any of the sessions that fit into your schedule. Session times and locations will be announced in Brightspace. If your course average falls below 70, you will be required to attend SI sessions until your average improves. If you attend every SI session, I will offer you 5 bonus points on your Final Exam.

Student Behavioral Expectations or Conduct Policy:

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

Instructor Attendance Policy:

Make attendance a priority. Weekly activity in the course will be counted as attendance. You must spend at least six hours per week working in Mobius. Attendance is very important in this class. In order to receive credit for the course, you must be in attendance at least 75% of the time scheduled for the class. You MUST LOG IN to Brightspace every week or you will be marked absent. **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. **No drops will be allowed two weeks before the final for ANY REASON.**

[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 07/18/2023



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 2542998122 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, (Accommodations/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. 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/>).

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. 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-teachingandlearning/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.