

McLennan C O M M U N I T Y C O L L E G E

WACO, TEXAS

COURSE SYLLABUS AND INSTRUCTOR PLAN

**Contemporary Mathematics: Quantitative Reasoning
Math 1332.L05 (Linked to Math 0308.L05)
Michelle Moravec**

NOTE: This is a 16-week course.

COVID 19 Notice:

McLennan Community College is committed to providing you with every resource you need to reach your academic goals including your safety. We will continue to monitor the evolving situation with COVID 19 and adjust our safety guidelines to make sure we offer a safe environment for you and our faculty. Please make sure to consult your faculty and the MCC website at <https://www.mclennan.edu/crisis-management/coronavirus-updates/index.html> on any changes to these guidelines.

Course Description:

Intended for Non STEM (Science, Technology, Engineering, and Mathematics) majors. Topics include introductory treatments of sets and logic, financial mathematics, probability, and statistics with appropriate applications. Number sense, proportional reasoning, estimation, technology, and communication should be embedded throughout the course. Additional topics may be covered.

Corequisites:

MATH 0308.L05

Course Notes and Instructor Recommendations:

Math 1332 requires attending class, taking notes, working on homework, and taking tests. You will need to be in class, on time every Monday-Thursday.

I will communicate through Brightspace announcements and MCC email.

When emailing me, please include your name and class.

Instructor Information:

Instructor Name:	Michelle Moravec
MCC E-mail:	mmoravec@mclennan.edu
	Include your COURSE NUMBER and NAME
Office Phone Number:	(254)299-8870 (Use Remind to text me.)
Office Location:	Math 214
Office Hours:	MW 12:30-1:15 or by appointment

Required Text & Materials:

1. MyMathLab course code **included with the course fee**
2. Paper and folder or spiral with pockets or binder
3. Pencils
4. **TI 30X or TI83/84**
5. Access to a computer with high-speed internet or time to attend computer labs on campus



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

Methods of Teaching and Learning: This corequirement class will include class lectures and practice, online homework, and tests. Tests will be in class.

Course Objectives and/or Competencies: Students will be able to:

1. Apply the language and notation of sets.
2. Determine the validity of an argument or statement and provide mathematical evidence.

3. Solve problems in mathematics of finance.
4. Demonstrate fundamental probability/counting techniques and apply those techniques to solve problems.
5. Interpret and analyze various representations of data.
6. Demonstrate the ability to choose and analyze mathematical models to solve problems from real-world settings, including, but not limited to, personal finance, health literacy, and civic engagement.

Course Outline or Schedule: Changes to the following tentative schedule will be announced in class and posted in Brightspace.

Monday	Tuesday	Wednesday	Thursday
8/22 Introduction & Syllabus	8/23 Introduction	8/24 Unit 1-1 Inductive Reasoning	8/25 MyMathLab & Orientation homework
8/29 Unit 1-2 Problem Solving	8/30 Intro sets & Venn diagrams	8/31 Unit 1-3 Venn Diagrams	9/1 Lab Day (1.2, 1.3)
9/5 Labor Day holiday	9/6 Logic, note sheet for test.	9/7 Unit 1-4 Deductive Reasoning & discuss Test 1	9/8 Lab day (1.4, Unit 1 Review)
9/12 Unit 1 Test (paper)	9/13 Percent and tax introduction	9/14 Unit 2-1 Percent & Tax	9/15 Lab day (2.1, Test 1 discussion)
9/19 Unit 2-2 Income Taxes	9/20 Introduction to interest	9/21 Unit 2-3 Simple Interest	9/22 Lab day (2.2 and 2.3)
9/26 2-4 Compound Interest	9/27 Preparing for Test 2	9/28 Finish Ch. 2 & discuss the test	9/29 Lab day (2.4, Unit 2 Review)
10/3 Unit 2 Test (paper)	10/4 Measurement & Conversions	10/5 Unit 3-1 & 3.2 Measurement	10/6 Lab day (3.1, 3.2, Test 2 corrections)
10/10 Unit 3-3 Volume and Area	10/11 Volume, area	10/12 Unit 3-4 Triangle Trig	10/13 Lab day (3.3, 3.4, Unit 3 review)
10/17 Unit 3 Test	10/18 Intro Unit 4	10/19 Unit 4-1 & 4-2 Counting Principle & Permutation	10/20 Lab Day (4.1, 4.2, Test 3 corrections)
10/24 Unit 4-3 Combinations and Permutations	10/25 Mrs. Stansel's Probability activity	10/26 Unit 4-4 Prob with Perm/Comb	10/27 Lab Day (4.3, 4.4, Review for Unit 4)

10/31 Unit 4 Test	11/1 Intro measures of center	11/2 5-1 Measures of center	11/3 Lab Day (5-1, Test 4 corrections)
11/7 Unit 5-2 Interpreting Graphs	11/8 Definitions and reading problems	11/9 Unit 5-3 Sampling	11/10 Lab Day (5.2, 5.3)
11/14 Unit 5-4 Scatter plots	11/15 Vocab quiz Unit 5 Note sheet	11/16 Ch. 5 review, voting, or fractals	11/17 Lab Day (5.3, 5.4, Unit 5 review)
11/28 Unit 5 Test (paper)	11/29 Preparing for the final exam	11/30 Grades and final exam review	12/1 Lab Day (final exam review or test)
12/5 Final Exam			

Course Grading Information:

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

Class Participation: Participation is graded through attendance and in-class activities. These may NOT be made-up and remain 0's when missed. I will drop the lowest grade. (10% of course grade)

Online homework is completed on MyMathLab. Due dates are set, and assignments may be completed late with 2% per day late penalty. You can continue to try problems you miss until you get them correct. Grades on homework must be 90 or higher to take the unit test. (25% of course grade)

Tests: 5 unit tests are given. Make-ups are given with notes of illness or school activity. If you miss a test, email as soon as you can to discuss the situation. Your optional final exam will replace a 0-test grade for any reason or may replace a low-test grade. (65% of course grade)

Final Exam: The final exam is used to replace 0 or low test grades and improve class averages.

Late Work, Attendance, and Make-Up Work Policies:

Late work and make-up work are addressed above.

Attendance is based on class attendance. After 7 absences, you will be dropped. Communicate with me if you are not able to complete work or attend class.

Student Behavioral Expectations or Conduct Policy:

Be respectful in discussions with me and other students, including avoiding derogatory remarks and foul language. Bring your own supplies to class and be ready to work.

Having someone else do your work, sharing assignments, using online tools to solve problems, or other cheating on a test are violations of the academic integrity policy and will result in a 0 on the test and/or being dropped from the class. Infractions such as these will be reported to the administration for tracking and possible college action.

[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.



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

254-299-8122

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 Title IX Coordinator at titleix@mclennan.edu or by calling Dr. Drew Canham (Chief of Staff for Diversity, Equity & Inclusion/Title IX) at (254) 299-8645. Individuals also may contact the MCC Police Department at 299-8911 or the MCC Student Counseling Center at MCC 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/>

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 a Success Coach by calling (254) 299-8226 or emailing SuccessCoach@mclennan.edu. Students may visit the Completion Center Monday-Friday from 8 a.m.-5 p.m. to schedule a meeting with a Success Coach and receive additional resources and support to help reach academic and personal goals. Paulanne's Pantry (MCC's food pantry) provides free food by appointment to students, faculty and staff based on household size. Text (254) 870-7573 to schedule a pantry appointment. The Completion Center and 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/Faculty-and-Staff-Commons/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/student-email.

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](https://support.microsoft.com/en-us/office/set-up-an-outlook-account-in-the-ios-mail-app-b2de2161-cc1d-49ef-9ef9-81acd1c8e234?ui=en-us&rs=en-us&ad=us) (<https://support.microsoft.com/en-us/office/set-up-an-outlook-account-in-the-ios-mail-app-b2de2161-cc1d-49ef-9ef9-81acd1c8e234?ui=en-us&rs=en-us&ad=us>)
- [Email Setup for Androids](https://support.microsoft.com/en-us/office/set-up-email-in-android-email-app-71147974-7aca-491b-978a-ab15e360434c?ui=en-us&rs=en-us&ad=us) (<https://support.microsoft.com/en-us/office/set-up-email-in-android-email-app-71147974-7aca-491b-978a-ab15e360434c?ui=en-us&rs=en-us&ad=us>)

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.