

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

WACO, TEXAS

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## **COURSE SYLLABUS**

**AND**

## **INSTRUCTOR PLAN**

### **FOUNDATION OF MATH REASONING**

**MATH -0308 – L90**

**ALMA G. WLAZLINSKI**

**NOTE: This is a 16-week course.**

**NOTE: This is a Linked class with M1342 Statistics**

**NOTE: This is an internet 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:**

**Math L0308 Foundations** is a quantitative literacy-based course designed to provide students with the skills and conceptual understanding for success in a quantitative literacy course (*M1342*). It is organized around big mathematical and statistical ideas. Foundations will help students develop conceptual understanding and acquire multiple strategies for solving problems. This is a 3 hour course taught on-line.

This next portion is the college level linked course:

**Math L1342 Elementary Statistical Methods** is the collection, analysis, presentation and interpretation of data, and probability. Analysis includes descriptive statistics, correlation and regression, confidence intervals and hypothesis testing. Use of appropriate technology is recommended. TI 84 is required.

**Prerequisites and/or Corequisites:**

TSIA score less than 950 with a Diagnostic score of 3-4

This is a co-requisite class with Math 0308 linked to M1342 as per Texas HV 2223.

**Course Notes and Instructor Recommendations:**

The course is focused on the “just in time” mathematics that should complement the instructional lessons taught in Math 1342. What should be expected for success in this linked course:

- ✓ Lessons are YouTube videos that will include calculator instruction in almost all of the lessons. It is beneficial to view the videos for mathematical vocabulary and calculator instruction
- ✓ Each lesson has a required .PDF to insure understanding of the material
- ✓ Communication is vital for success. All communications via email or text must have on **Subject: Math 0308 Sec 90** and submitted on our MCC email assigned to students upon registration.
- ✓ Any email received with dot: gmail, yahoo, or business name will not be read.
- ✓ When falling behind or have questions or there are circumstances that cause you concern....**COMMUNICATE AS SOON AS POSSIBLE by**
  - **Voice mail on office phone: 254 299 8871**
  - **Text Only (254) 652-1129** will call back
  - **Email: [awlazlinski@mclennan.edu](mailto:awlazlinski@mclennan.edu)** and ask for Zoom meeting

**Instructor Information:**

Instructor Name: **Alma G. Wlazlinski**  
MCC Email: [awlazlinski@mclennan.edu](mailto:awlazlinski@mclennan.edu)  
Office Phone Number: Office Phone: (254) 299-8871

## Foundations of Math Reasoning

Math 0308 Sec L90

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Cell Phone for texting: (254) 652-1129

Office Location: Room 220 in Math Bldg and Room 214 in ESEC Bldg

Office/Teacher Conference Hours: Monday/Wednesday: Room 205 or Zoom 5:00 pm – 6:00 pm

Zoom Meeting ID# 978 5409 6473

Tuesday/Thursday: Zoom office our 1:00 pm – 2:00 pm

Zoom Meeting ID# 958 7514 8622

Other Instruction Information: Utilize email, texting to schedule additional tutoring time

### **Required Text & Materials:**

Title: **No additional material to purchase. All lesson and .pdf's are on Brightspace**

Author:

Edition:

Publisher:

ISBN:

Needed: TI 84 calculator, writing instrument, paper and access to a computer and internet. If not available, come to the Learning Commons or library and use available computers. Also, MCC had broadband internet that can be utilized from you car if necessary.

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

### **Methods of Teaching and Learning:**

This is an online course and requires personal discipline to schedule time to View/Learn and then complete assignments.

- ✓ Metacognitive weekly .PDF's will be sent on Mondays that should be returned to me by Wednesday of each week for attendance purposes.
- ✓ Each Unit of material will be completed at the end of each week (Sunday)
- ✓ Additional time for completion must be requested via email

### **Course Objectives and/or Competencies:**

Upon completion of this course, students will:

1. Be able to understand appropriate symbolic notation and vocabulary to interpret and apply appropriate mathematical concepts
2. Apply mathematical process and use TI 84 calculator to solve problems involving data analysis, probability and statistical comparison
3. Use algebraic reasoning to solve problems that require ratios, rates, percentages, and proportions in a variety of contexts using multiple representations.
4. Use/interpret graphs, tables for data collected to make predictions or decisions

## Foundations of Math Reasoning

Math 0308 Sec L90

### **Course Outline or Schedule:**

This is a tentative schedule that is subject to change. Emails will be sent to inform of any additions or changes as the course develops.

<b>Week</b>	<b>Lesson/Assignments Due at the Sunday of the week</b>
Week #1	Lesson Unit I : Math principles and Calculator usage Activity Unit I Part A PDF Activity Unit I Part B PDF Lesson Unit II: Rounding, scientific notation, and significant digits (self study) Activity Unit II PDF
Week #2	Lesson Unit III: Mean, Median, Range, and Calculator study on Data entry and Calculations for 5-number Summary Activity Unit III Part A PDF Activity Unit III Part B PDF
Week #3	Lesson Unit IV: study of Mean, 5-Number Summary of data done on calculator with examples of Box Plot graphing. Calculating standard deviation and difference between population and sample Activity Unit IV Part A PDF Activity Unit IV Part B PDF
Week #4	Lesson Unit V: Least-Square Regression line, Calculator technology used Activity Unit V Part A pdf Activity Unit V Part B pdf
Week #5	Lesson Unit VI: study of probability, Complement of sets, symbols: $\sum$ , $P( )$ , $\mu$ , $\bar{x}$ and Evaluation of a probability distributions Activity Unit VI PDF
Week #6	Review for Test over Chps 4, 5
Week #7	Lesson Unit VII: vocabulary: random variable, discrete random variable, continuous random variable, Rules for Discrete Probability Distribution and Binomial Distribution with calculator Activity Unit VII PDF
Week #8	Lesson Unit VIII: study of Bell Curve, Normal Distribution, outliers Activity Unit VIII PDF
Week #9	Lesson Unit VII: Study of Examples of problems with normal distribution to find percentages using calculator

## Foundations of Math Reasoning

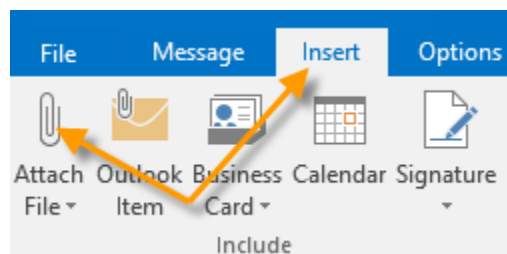
Math 0308 Sec L90

	Activity Unit VII PDF
Week #10	Review for Test 6,7
Week #11	Unit IX: Estimating parameters and determining sample size Activity Unit IX pdf
Week #12	Unit X: Use formulas to find z-score, best estimate, Chi, and t-distribution Activity Unit X pdf
Week #13	Review for Test 8, 9

### **Course Grading Information:**

This course is not self paced and should relate to what is being taught in Math 1342 and applicable in smaller technology based exercises.

- Weekly .pdf will need to be done and emailed to [awlazlinski@mclennan.edu](mailto:awlazlinski@mclennan.edu)
  - 1. First download the .pdf and then open using any provider except for Google Docs
  - Place the answers on the .pdf and [Save] to desktop with your initials or name after
  - Open an email and address to instructor the use [Insert] and click on “Attachement”



- Then send
- Will be returned with a grade
- Attendance will be taken by weekly “metacognition” exercises or email responses to my .pdf’s (NO LATE WORK ACCEPTED)
- Final Grade Distribution on this course is driven by completion of Activity PDF’s
  - Activity PDFs 50%
  - Attendance (metacognition/email responses) 50% for 100%
  - Final Grading on Brightspace will be

Incomplete	-1 / 100
Pass: Credit (CR)	-2 / 100
Fail: No Credit (NC)	-3 / 100

Please Note: These only apply to Pass/Fail or CR/NC courses.

And will show on transcript as CR for passing and NC for not passing

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

There is always compassion regarding this course and the processes needed to understand Statistics, but there is a personal responsibility in knowing this class exists and needs as much attention as the Math 1342 Statistics class.

- **If 3 weeks of non-participation with the response emails or metacognition pdfs occur, the penalty is receiving an email and if no response a drop will happen. This will cause you to be dropped from Math 1342 as well**
- **If there are 2 weeks without receiving the week's assignment, then an absence will occur a "0" given for that assignment**

This course is meant to address technology and offer practice in understanding statistics.

**Student Behavioral Expectations or Conduct Policy:**

This course is an online course that requires attention to the calendar schedule. It is vital that the student communicate as often as a concern arrives so an adjustment can be implemented. Should there be no communications after email sent with concerns then the understanding is that there is no interest in this course.

**[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.

# McLennan

C O M M U N I T Y

# COLLEGE

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## 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](http://www.mclennan.edu/disability).

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

[disabilities@mclennan.edu](mailto: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](mailto: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/](http://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](mailto: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](https://www.mclennan.edu/foundation/docs/Emergency_Grant_Application.pdf).

**MCC Academic Integrity Statement:**

Go to [www.mclennan.edu/academic-integrity](http://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.

**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](mailto:Helpdesk@mclennan.edu) for help.

**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.

**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.