

Updated 07/18/2023



WACO, TEXAS

COURSE SYLLABUS

AND

INSTRUCTOR PLAN

Elementary Statistics

MATH 1342 Section L090

Alma G. Wlazlinski

NOTE: This is a 11-week course..

NOTE: This is an Online course.

NOTE: This is an IA (Inclusive Access) class

Elementary Statistics
MATH 1342 SECTION L090

Course Description:

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. Provides a study of statistical description of frequency distributions, both binomial and normal; estimation of parameters; tests of hypotheses; linear regression and correlation; independence of variables by Chi Square analysis; and an introduction to statistics software package.

Prerequisites and/or Corequisites:

This is a linked class. The developmental course, Math 0308, Foundation of Math Reasoning, is included in the college level course, Math 1342, Elementary Statistics

Course Notes and Instructor Recommendations:

This course is an online course with Math 0308 included (Linked Course). All work for the two courses is done on this course to be easier for completion of both courses.

- Students watch all videos and should take notes during each video to be able to complete the homework assignments
- Assignments (MyMathLab Homework) are tied in with the lesson videos assigned
- Students should complete homework as soon as material is learned by
 - On line videos by instructor
 - Publisher's videos
- Students should investigate MyMathLab for Instructor Videos and preparations for exams to be fully prepared for exams listed under the week of the exam due date
- Students should visit during Zoom office hours or e-mail concerns regarding the course as soon as problem exists...not at the end of the semester.
- Email any concerns, suggestions, ideas to awlazlinski@mclennan.edu as promptly as possible if:
 - Personal commitments have caused you to get behind the schedule
 - Additional time needed to complete weekly assignments
 - Personal concerns causing delays or non-completion of assignments
 - Issues with the program
 - **All correspondence must be using McLennan Community College e-mail!!!!**

Please use proper and professional email etiquette by using the *subject line* to announce: **Math 1342 Sec 91** and your closing to have **your full name** for quick

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Instructor Information:

Instructor Name: Alma G. Wlazlinski
MCC Email: awlazlinski@mclennan.edu
Office Phone Number: (254)299-8871
Office Location: Math Bldg Room 220
Office/Teacher Conference Hours: Listed on Brightspace Home Page
Other Instruction Information: Email will be addressed as time permits during Monday-Friday and specifically in the evenings from 6:00 pm to 7:30 pm

Required Text & Materials:

This is an IA course (Inclusive Access) where there is no need to purchase an access code or book. The course book is:

Original Materials:



Trigonometry 12th Edition

Author(s): Lial, Margaret | Hornsby, John | Schneider,

David | Daniels, Callie

Textbook ISBN-13: 9780135924136

Series: **MyLab Math**

Need is:

1. A personal computer or access to a computer with camera for Zoom classes with a good internet provider for 4 months minimum and complete .pdf worksheets found on Brightspace
2. Writing instrument and paper
3. TI 84E graphing calculator, if you have a smart phone you can purchase access through [APPS] or Store function and look for wabbit.com to download for about \$6.00 the TI 84 (the free download will not take care of all the features of the TI 84) If you have a TI Inspire, you will have to google the steps in using
4. A determined dedication to complete this course with a good attitude that will not allow “**I will never need this material**” from creeping in.

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

Methods of Teaching and Learning:

This is an online course with lessons may be incorporated to assist the learning

- **Expectations:** Students should communicate any concerns when they arise via email

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- **Lecture Notes:** Students should take notes to ensure their understanding of the material and to assist as reference
- **Homework/Exams:** Students should complete homework by Sunday evening and zeros will be inserted for any unattempt assignments for the past week.

Course Attendance/Participation Guidelines:

If a student is not in attendance in 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 class (7 days) 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 Objectives and/or Competencies:

Week	Course Schedule
Week #1 June 2 - 8	Orientation Video Math 0308 Chapter 1 Integrated Review Lesson/Homework Sec 1.1 Statistical & Critical Thinking Lesson/Homework Sec 1.2 Types of Data Lesson/Homework Sec 1.3 Collecting Sample Data Discussion Board #1
Week #2 June 9 – 15	Math 0308 Chapter 2 Integrated Review Lesson/Homework Sec 2.1 Frequency Distributions and Organizing Data Lesson/Homework Sec 2.2 Histograms Lesson/Homework Sec 2.3 Graphs that enlighten and Graphs that Deceive Discussion Board #2
Week #3 June 16 - 22	Math 0308 Chapter 3 Integrated Review Lesson/Homework Sec 2.4 Scatterplots, Correlation, and Regression

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	<p>Lesson/Homework Sec 3.1 Measures of Center Discussion Board #3 *** Unit I Exam over Chapters 1 & 2 DUE 7/2</p>
<p>Week #4 June 23 – 29</p>	<p>Math 0308 Chapter 4 Integrated Review Lesson/Homework Sec 3.2 Measure of Variations Lesson/Homework Sec 3.3 Measures of Relative Standing, Boxplots Lesson/Homework Sec 4.1 Basics of Probability</p>
<p>Week #5 June 30 – July 6</p>	<p>Math 0308 Chapter 5 Integrated Review Lesson/Homework Sec 4.2 Addition and Multiplication Rule Lesson/Homework Sec 4.3 Compliments and Conditional Probability Lesson/Homework Sec 5.1 Probability Distributions ***Review for Unit II Exam over Chapters 3 & 4*** ***Unit II Exam over Chapters 3 & 4 On-Line DUE 7/15 Discussion Board #4</p>
<p>Week #6 July 7 - 13</p>	<p>Math 0308 Chapter 6 Integrated Review Lesson/Homework Sec 5.2 Binomial Probability Distributions Lesson/Homework Sec 6.1 Standard Normal Distribution Lesson/Homework Sec 6.2 Applications of normal distribution</p>
<p>Week #7 July 14 - 20</p>	<p>Lesson/Homework Sec 6.3 Sampling Distributions and Estimators Lesson/Homework Sec 6.4 Central Limit Theorem ***Review for Unit III Exam over Chapters 5 & 6 Lesson/Homework Sec 7.1 Estimating Population Proportions Discussion Board #5 ***Unit III Exam over Chapters 5 & 6</p>
<p>Week #8 July 21 - 27</p>	<p>Lesson/Homework Sec 7.2 Estimating Population Means Lesson/Homework Sec 8.1 Basics of Hypothesis Testing Lesson/Homework Sec 8.2 Testing a Claim about a Proportion Lesson/Homework Sec 8.3 Testing a Claim about a Mean</p>
<p>Week #9 July 28 – August 3</p>	<p>Lesson/Homework Sec 8.4 Testing a Claim about a Standard Deviation or Variance Lesson/Homework Sec 9.1 Two Proportions ***Review for Unit IV Exam over Chapters 7 & 8 ***Unit IV Exam over Chapters 7 & 8</p>
<p>Week #10 August 4 - 10</p>	<p>Lesson/Homework Sec 9.2 Two Means: Independent Study Lesson/Homework Sec 9.3 Two Dependent Samples (Matched Pairs) Lesson/Homework Sec 9.4 Two Variances or Standard Deviations</p>
<p>Week #11</p>	<p>Review for Final Exam Final Exam taken by August 13</p>

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Course Grading Information:

There are 4 components to the course grade:

Grade Distribution

Homework on MML (Brightspace)	20%
Discussion Board	10%
Exam (on-line on MML)	50%
<u>Final Exam</u>	<u>20%</u>
	100%

Homework: To take Unit I Exam on-line, all homework for Chapters 1 & 2 must be completed. For Units II, III, and IV all sections will be closed at the date of the Unit Exam. Homework allows for the needed practice/drill and discussions over the material being learned. All homework assignments must have a minimum grade of 75 to continue to the next objective. Four of the lowest homework grades will be dropped at end of semester for the times when life happens. This component will be worth 20%.

Discussion Board: This is an opportunity to develop a sense of connection with your colleagues. There will be general prompts to direct the conversations and allow expressions. Discussion Board is a participation component for this course and is worth 10%.

Exams (4 Unit Exams): Assessments of the learning process will be measured by 4 Unit Exams:

- Unit I Exam is over Chapters 1 & 2
- Unit II Exam is over Chapters 3 & 4
- Unit III Exam is over Chapters 5 & 6
- Unit IV Exam is over Chapters 7 & 8 (selected sections from chapters)
- All on-line Exams refer to homework problems and there must be at least a 75 or better grade on each unit homework assignments to take exams.
- This component is worth 50%

Final Exam: This comprehensive exam will cover specific topics outlined in the Review For Final exam. Calculator note card and 5X6 card of any formulas needed will be allowed. This will be administered online using Zoom. This component is worth 20%.

Late Work and Make Up Work Policies:

This course was chosen for time offered and other criteria is your personal scheduling. As adults, you have chosen a career goal of education that requires this course to continue. The course outline is clear with due dates vital for learning, discussing and grappling with the material. If homework assignments are not completed by due dates on calendar, then an email must be sent to request extended time if a day or two needed. Otherwise, no requests granted. If an exam is missed, an email will allow the extension so long it is within a week. Absences will be accrued if fewer than $2/3$ of assignments are completed by end of week assigned. This course is completion oriented, and if not motivated to dedicate time to the material there is no opportunity for success.

Student Behavioral Expectations or Conduct Policy:

- Having someone else do your online assignments is a violation of the academic 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 permanently placed on your transcripts as well as possible college action.
- You must be committed to participating in this course. Communication on homework problems have to be done via e- mail.
 - Because this is an online class, attendance is vital in participation in watching videos and doing the homework. Following the MCC policy on attendance, if you are absent 8 times, you will be dropped

[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.

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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 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.