WACO, TEXAS

COURSE SYLLABUS

and

INSTRUCTOR PLAN

Elementary Statistical Methods

MATH_1342_L009

Patricia Bahnsen

NOTE: This is a 16-week course.
NOTE: This is a Face-to-Face course.
NOTE: This course is Linked with MATH_0308_L009.

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; sampling; elementary principles of probability 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 a statistics software package.
Semester Hours: 3 Lecture.

Prerequisites and/or Corequisites:
Corequisite: MATH 0308.

Course Notes and Instructor Recommendations:
This class meets on Tuesdays and Thursdays from 9:35 – 10:55am in Room 224 of the Math building.
In order to be successful in this course, it is recommended that you

- attend every class, if possible, and arrive on time
- ask questions and participate in the learning
- take notes to help complete homework assignments and activities
- check your MCC email and Brightspace announcements often
- utilize the many campus resources available to you for additional help

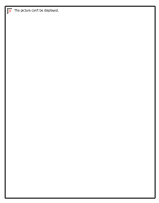
Instructor Information:

Instructor Name:	*Dr. Patricia Bahnsen*	
MCC Email:	pbahnsen@mclennan.edu	
Office Phone Number:	(254) 299-8872	
Office Location:	MATH 204	
Office/Conference Hours:	Mon & Wed	1:30 – 3:00pm
	Tue & Thu	11:00am – 12:00pm, 2:30 – 3:00pm
	Fri	by appointment

* Additional *Office Hours* in person or via Zoom **by appointment**

You are welcome to communicate via email or phone with questions; during the school week (Monday through Friday) you can expect a response within 24 hours. Emails should come from your MCC email address, and all communications should include your *name* and *course number*/section in the message.

Required Text & Materials:



The cost of the electronic textbook and MyStatLab access code are **included in the price of tuition** for this course; no additional textbook purchase is necessary.
For your reference, we will be using *Fundamentals of Statistics: Informed Decisions Using Data, 6th ed.*, by Michael Sullivan III (published by Pearson) for this course.

Additional supplies include (but are not limited to):
- reliable internet
- printing capabilities, both for physical copies and printing to a pdf writer
- a graphing calculator (TI-84, or free version on www.Desmos.com)
- a three-ring binder with paper and dividers

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

Methods of Teaching and Learning:
Reading and taking notes from the textbook serve as your introduction to the material and will help to lay a foundation for the lecture and activities that follow. In class we will go over the important ideas from the reading, giving you a chance to clarify and ask questions over any topics you did not understand. Further class time will be spent working through additional examples and activities intended to strengthen your understanding. From there you should be prepared to reinforce our classwork with online homework problems assigned for each section, as well as discussion or supplemental activities.

Course Objectives:
- Explain the use of data collection and statistics as tools to reach reasonable conclusions
- Recognize, examine, and interpret the basic principles of describing and presenting data
- Compute and interpret empirical and theoretical probabilities using the rules of probabilities and combinatorics
- Explain the role of probability in statistics
- Examine, analyze, and compare various sampling distributions for both discrete and continuous random variables
- Describe and compute confidence intervals
- Solve linear regression and correlation problems
- Conduct and interpret hypothesis testing using statistical methods

Course Attendance/Participation Guidelines:
Attendance will be taken daily and recorded in our Brightspace course shell. Any absences (regardless of the reason) will be counted toward the total. You are responsible for the material covered when you must miss class; resourceful students will get notes from the instructor or a classmate, access any handouts through our Brightspace course shell, and submit required assignments quickly.

Students will be marked Tardy if they arrive more than 20 minutes late or leave more than 20 minutes early.

MCC policy regarding attendance states:

> *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.*

Thus,

- Students who **do not attend class** in person before the census date of Tue, **Sep 10** will be dropped.
- Students who have **seven absences** (25%) or two tests with grades of zero will be withdrawn by **Tue, Oct 28**.

Course Outline and Schedule:
Important Semester Dates:

- Monday, 1 Sep: Labor Day Holiday – NO CLASSES
- Wednesday, 10 Sep: Fall Census date
- Friday, 19 Oct: Fall Holiday – CAMPUS CLOSED
- Monday, 27 Oct: 60% Point of semester
- Wednesday - Friday, 26 - 28 Nov: Thanksgiving Holiday – NO CLASSES
- Friday, 6 Dec: Last day of classes
- Tuesday, 9 Dec from 9:35 – 11:35am: FINAL EXAM

The following is a tentative outline for the semester, with the corresponding textbook sections listed and test dates identified. Note that this does not include ALL activities; specific assignments and expectations as well as any changes to this schedule will be announced in class and detailed in our Brightspace course shell.

Date	Section(s) covered
Week 1	Intro; Sections 1.1, 1.2, 1.3, 1.4
Week 2	Sections *1.5, 1.6, 2.1, 2.2
Week 3	Sections 2.3, *2.4, 3.1
Week 4	Section 3.2, 3.4, 3.5
Week 5	Review; **TEST 1**
Week 6	Section 4.1, 4.2
Week 7	Sections 5.1, 5.2, 5.3
Week 8	Review; **TEST 2**
Week 9	Section 6.1, 6.2
Week 10	Sections 7.1, 7.2, 7.3, 8.1
Week 11	Section 8.2; Review
Week 12	**TEST 3;** Section 9.2
Week 13	Sections 10.1, 10.3, 9.1
Week 14	Section 10.2
Week 15	Section 11.1; Review

Course Grading Information:

You should expect online homework assignments for most sections covered during the semester, to be completed after each class. Generally these will be due at the end of each week, with specific due dates in our Brightspace course shell.

Throughout the semester (generally once a week) you will also be asked to complete discussion posts within our Brightspace course shell. In addition, there will be periodic readings or activities to supplement the homework and classroom material. Details for these will be distributed at the appropriate time.

Quizzes will be given periodically in class or within our Brightspace course shell. Material will be chosen from the recent homework or examples, so the best way to prepare for the quizzes is to keep up with the homework.

There will be three tests during the semester administered in a traditional pencil/paper format or online (coming from the online homework and quizzes). Additional details regarding each test will be given at the appropriate time.

Your final grade for the course will be calculated with the following distribution.

Homework	15%
Participation and Activities	10%
Quizzes	10%
Tests	45%
Final Exam	20%

Late Work and Make Up Work Policies:

Much of your success in this class will be determined by your diligence in keeping up with assignments as the course progresses. In the case of extreme conditions where you must miss class, it is best to visit directly with the instructor.

- *Homework assignments* will not be accepted late. All scores will be recorded electronically through MyStatLab after the designated due date. Your two lowest homework grades will be dropped at the end of the semester.
- *Participation and Activities* will not be accepted late due to their interactive nature.
- *Quizzes* cannot be made up; however, one quiz score will be dropped at the end of the semester.
- *Tests* may only be made up if the absence is cleared with the instructor before the test is given and is supported with appropriate documentation. At the end of the semester, your lowest test grade will be replaced with your final exam score if the final exam score is higher.

Student Behavioral Expectations:

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.

Make sure your cell phone has been silenced and stowed before class begins and stays put away (in a pocket or backpack) until class is dismissed.

Maintain academic integrity. You are encouraged to seek help if you are having difficulty; however, it is your responsibility to make sure that all work is your own. Cheating will not be tolerated and may result in receiving a zero, removal from class, or more severe disciplinary action.

Campus Attendance Policy:

Click on the link **https://www.mclennan.edu/highlander-guide/policies.html** for the college policies on attendance and absences.

06/24/2025

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 begin the steps for requesting accommodations. 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 Accommodations (Disability Services). 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/

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.

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/)

Success Coaching Services is here for you.

We know life can be overwhelming sometimes—and that challenges outside the classroom can impact your success inside it. That's why our Success Coaches provide personalized support to help you navigate it all.

Success Coaching is available to every MCC student, no matter where you're starting from. Whether you're looking for direction, need quick advice, or just want someone to talk to, our coaches are here to listen, celebrate your strengths, and help you move forward with confidence. At Success Coaching Services, your voice is heard, your goals matter, and your future is our focus.

To learn more or schedule an appointment, visit www.mclennan.edu/successcoaching, call 254-299-8226, or email 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.

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:
For online and blended/hybrid courses, students must have access to a reliable computer and internet. For more information on the minimum system requirements needed to reliably access your courses in MCC's D2L|Brightspace learning management system go to: https://www.mclennan.edu/center-for-teaching-and-learning/Faculty-and-StaffCommons/requirements.html

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.