Syllabus
MATH 1700 Fall 2024
TuTh 3:30 PM to 4:45 PM Cudahy Hall 001

Instructor: Daniel B. Rowe, Ph.D.	TA: Qishi Zhan
Email: daniel.rowe@marquette.edu	Email: qishi.zhan@marquette.edu
Office: CU 313	Help Desk Location: 4th floor Cudahy Hall
Help Desk: Tu 2:30PM - 3:30PM	HD Hours: https://www.marquette.edu/mathematical-and-statistical-sciences/student-resources.php
Office Hours: Th 2:30PM - 3:30PM	

Textbook: WebAssign: Elementary Statistics,11th edition, by Johnson and Kuby, 2012. (https://www.cengage.com/coursepages/Marquette_WebAssign)
Will cover Chapters 1-12.

As a portion of your grade is based on online homework assignments through WebAssign, you will need to purchase access to that online homework system. That purchase includes access to an electronic version of the textbook.

Calculator: Some sort of scientific calculator which can be used during exams.

MATH 1700. Modern Elementary Statistics. 3 cr. hrs.
Fundamental theory and methods of statistics without calculus. Descriptive statistics, elements of probability theory, estimation, tests of hypotheses, regression, correlation, introduction to computer methods of statistical tabulation and analysis. Recommended for students seeking a general introduction to statistical concepts and not intended to be a final course in statistics for students who need a thorough working knowledge of statistical methods. Prereq: Two years of college preparatory mathematics. May not be taken for credit by students who have received college credit for another probability or statistics course.

Core of Common Studies Mathematical Reasoning Learning Outcomes: You should be able to:

1. Evaluate the effectiveness of the mathematical sciences in describing the world.
2. Analyze quantitative information symbolically, graphically, numerically, and verbally for the purpose of solving problems or drawing conclusions.
3. Construct logical arguments in support of mathematical assertions.

Learning Objectives:

1. Understand a few necessary concepts of probability.
2. Understand the difference between descriptive statistics and inferential statistics.
3. Understand the estimation problem.
4. Understand the hypothesis problem.
5. Calculate Linear Correlation and Line of Best Fit.
6. Understand tests of independence and goodness of fit for categorical data.

Attendance: Attendance is an important part of learning. Attendance will be taken each class. Attendance will be scored with a 20% adjustment. This means that if you attend 80% or more you will receive the full percentage towards your overall score. If you attend less than 80%, I will calculate your percentage as (Your Percentage)/80%. In other words, if you end the semester with 70% you will receive 70/80=87.5% for your attendance score.

Homework: The homework is designed to provide you with practice using the concepts taught in the course. Practice is essential to be prepared for the tests in this class. Online homework will be assigned and graded through WebAssign.

WebAssign page: https://www.webassign.net/wa-auth/login
WebAssign course key: marquette32117076

Exams: Two class length exams **Tu Sept 24** and **Th Oct 24** and a final exam on **Th Dec 12**.

MAKE-UP POLICY: There **will NOT** be any make-up exam. If you have an unavoidable absence as defined in Arts and Sciences Undergraduate Bulletin, the percent of the missed Exam will be added to your Final Exam percentage. Contact me if it is University event absence.

Grading: MATH 1700			Grades and Points				
Attendance	5%					77-79.9	C+
WebAssign Homework	15%		93-100	A		73-76.9	C
Midterm Exam 1	25%		90-92.9	A-		70-72.9	C-
Midterm Exam 2	25%		87-89.9	B+		67-69.9	D+
Final Exam	30%		83-86.9	B		60-66.9	D
			80-82.9	B-		Below 60	F

Everyone must be given the same opportunity to do well in this class. Individual exams WILL NOT be curved but it is possible I might migrate the points table a small amount at the end.

Attendance – https://bulletin.marquette.edu/policies/attendance/undergraduate/

1. You are expected to regularly attend and participate in class. You should arrive on time and have access to the appropriate lecture from D2L. If you have a reason, such as an illness or personal problem, it is your job to communicate with me to find possible, alternative arrangements that will allow you to succeed in the class. Poor attendance along with uncompleted homework generally leads to poor exam scores.

2. The last date to **withdraw** from the class **without a W** is **September 3**. If you stop attending class, do not assume that I will drop you with a grade of WA (withdrawal due to absences). It is your job to withdraw from class. The **last day** for you to withdraw **with a W** is **November 15**. Beyond this date, you will receive the grade that you earned.

Academic Honesty – https://bulletin.marquette.edu/policies/academic-integrity/

ACADEMIC INTEGRITY

Academic integrity is the foundation of learning, research, and scholarship. To that end, it is imperative that all members of the university community adhere to a shared understanding of the standards outlined in this policy. All faculty, staff, and students are required to recognize, respect and uphold:

    The Statement on Academic Integrity
    The Honor Pledge
    The Honor Code
    Best Practices
    Academic Misconduct Policy

Statement on Academic Integrity

We, the scholars of Marquette University, recognize the importance of personal integrity in all aspects of life and work. We commit ourselves to truthfulness, honor, and responsibility by which we earn the respect of others. We support the development of good character in our academic community and commit to uphold the highest standards of academic integrity as an important aspect of personal integrity. Our commitment obliges us as students, faculty, and staff to conduct ourselves according to the Marquette University Honor Code set forth below. We do this in pursuit of Marquette University's mission, which is the search for truth, the discovery and sharing of knowledge, the fostering of personal and professional excellence, the promotion of a life of faith, and the development of leadership expressed in service to others.

Students are asked to commit to academic integrity through the following honor pledge. Faculty may require students to sign the pledge in their courses or for any individual assignment.

ACADEMIC DISHONESTY applies equally to electronic media and print, and involves text, images, and ideas. It includes -

1. Copying from others during an examination.
2. Communicating exam answers with other students during an examination.
3. Offering another person's work as one's own.
4. Sharing answers for a take home quiz or assignment unless specifically authorized by the instructor.
5. Tampering with an examination after it has been corrected, then returning it for more credit.
6. Using unauthorized materials, such as notes, phone, or audio device, during an examination.

Absolutely no electronic devices, except possibly a calculator, may be used during the test. This includes phones, iPods, recordings, and computers. For various reasons before or during a test, I may find it helpful to move someone to another desk. No one should assume that I suspect that person of cheating, but rather I want to reduce temptation for those around him/her. This often is due simply to the placement of the desks in the room.