MATH 1700: Modern Elementary Statistics
Fall 2017, TuTh 2:00 pm – 3:15 pm
Marquette University

Instructor: Daniel B. Rowe, Ph.D.   **TA:** Sunil Mathew
Office Hours: TuTh 3:15 pm – 4:15 pm   **Office Hours:** TuTh 1:00 pm – 2:00 pm
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Text: Just the Essentials of Elementary Statistics; Johnson and Kuby, 11th edition.
Calculators: You will need some sort of scientific calculator for the course.

Class Structure: Lecture for about 50-55 min, then 10-15 min of TA answering questions and doing homework problems (problem solving session). Class in Cudahy 001 on TuTh 2:00 pm - 3:15 pm.

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. Understand the difference between 3 and 4.
6. Calculate Linear Correlation and Line of Best Fit

Homework: Homework assignments will be given for each section. Homework will not be collected, but will be gone over in the problem solving session. Even though homework is not turned in, the exams will go more smoothly if you are comfortable with the material in the homework.

Exams: There will be 6 exams given throughout the semester. Exams are scheduled every couple of weeks. The exam dates are Sept 14, Sept 28, Oct 12, Oct 26, Nov 9, and Nov 21. **No make-up exams allowed, but if you do not miss any then, your lowest of 6 Exam score will be dropped. If you do miss one then that will be your lowest and dropped. 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 you have a University event absence.**

Final Exam: The final exam will be Monday Dec 11, 2017 from 10:30 – 12:30 pm.
Grading: Grades will be based on the following elements.
Midterm Exams   75%   (each of counted five are 15%)
Final Exam   25%   (will not be dropped, percentage may be higher as above)

Grades will be assigned according to the following scale:

A	93.5% ≤ grade	A-	90% ≤ grade < 93.5%	B+	86.5% ≤ grade < 90%
B	83.5% ≤ grade < 86.5%	B-	80% ≤ grade < 83.5%	C+	76.5% ≤ grade < 80%
C	73.5% ≤ grade < 76.5%	C-	70% ≤ grade < 73.5%	D+	66.5% ≤ grade < 70%
D	63.5% ≤ grade < 66.5%	D-	60% ≤ grade < 63.5%	F	grade < 60%

Drop Date: The last day to drop without a W is 9/5/2017 and with a W is 11/17/17.