MATH 1700: Modern Elementary Statistics
Spring 2012, TuTh 12:30 am – 1:45 pm
Marquette University

Instructor: Daniel B. Rowe, Ph.D.   **TA:** Muge Karaman
Office Hours: TuTh 1:45 pm – 2:45 pm   **Office Hours:** TuTh 11:30 am – 12:30 pm
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Text: <u>Just the Essentials of Elementary Statistics</u>; Johnson and Kuby, 11th edition.
Calculators: You will need some sort of scientific calculator for the course.

Class Structure: Lecture for about 45-50 min TuTh, then 25-30 min of TA answering questions and doing homework problems. Class held in Cudahy Hall 001 on TuTh 12:30 am to 1:45 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 I promise you that 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 Feb 2, Feb 16, March 1, March 22, April 3, and April 19. **No make-up exams allowed, but if you do not miss any then, your lowest of 6 Exam score will be 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 is University event absence.**

Final Exam: The final exam will be Friday May 11, 2012 from 10:30 am-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   94% and up   AB   88%-94%
B   83%-88%   BC   77%-83%
C   73%-77%   CD   67%-73%
D   63%-67%

Drop Date: The last day to drop without a W is 1/25/2012 and with a W is 4/13/12.