MATH 1700: Modern Elementary Statistics
Spring 2011, TuTh 11:00 am – 12:15 pm
Marquette University

Instructor: Daniel B. Rowe, Ph.D.   **TA:** Iain Bruce
Office Hours: W 3:15 pm – 4:15 pm
           TuTh 1:00 pm – 2:00 pm   **Office Hours:** TuTh 10:00 am – 11:00 am
Office: Cudahy Hall 313   **Office:** Cudahy Hall 357
E-mail: daniel.rowe@marquette.edu   **Email:** iain.bruce@marquette.edu

Text: Just the Essentials of Elementary Statistics; Johnson and Kuby, 10th edition.
Calculators: You will need some sort of scientific calculator for the course.

Class Structure: Lecture for about 45 min TuTh, then 30 min of TA answering questions and doing homework problems. Class held in Cudahy Hall 001 on TuTh 11:00 am to 12:15 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 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 3, Feb 17, March 3, March 24, April 7, and April 19. **No make-up exams allowed, but 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 Thursday May 12, 2011 from 1:00 pm-3:00 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 1/25/2011 and with a W is 4/15/11.