

**MATH 535  
FALL 2017  
DR. SHOEMAKER**

Text: A Second Course in Statistics: Regression Analysis, 7<sup>th</sup> ed., by Mendenhall and Sincich.  
Prentice Hall Publishing Co., 2012. ISBN 9780321691699

<u>Week</u>	<u>Readings</u>
Aug. 28	1.1-1.9
Sept. 4	1.10, 2.1-2.4
7 <sup>th</sup>	<b>CLASS MEETS IN MICROLAB, WICKERSHAM 108</b>
11	3.1-3.6
18	3.7-3.10
25	4.1-4.8 <b>***EXAM THURSDAY 9/28***</b>
Oct. 2	4.9-4.12
9	4.13-4.14, 7.1-7.6
16	8.1-8.6, 9.4
23	8.7, 5.1-5.6, 6.1-6.2
30	6.3-6.4 <b>***EXAM THURSDAY 11/2***</b>
Nov. 6	5.10-5.11
13	11, 12.1-12.3
20	12.4
27	12.5-12.6
Dec. 4	12.7-12.9

**\*\*\*FINAL TUESDAY 12/12 8:00-10:00 AM\*\*\***

## MATH 535 COURSE GUIDELINES

1. You will be given two exams and a final. Your course grade will be determined from your performance on your two exams and the final. Each exam is worth 1/3 of your grade. In addition, you will be required to hand in several Minitab projects. These will not be graded, but must be completed in order to receive a grade in the course.
2. Your attendance is required at all exams. You must notify me **before the exam starts** if you have a legitimate excuse for missing an exam. If you cannot reach me, leave a message on my voice mail or at the Mathematics department office.

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**MATH DEPT: 871-7668**

**OFFICE HOURS: 10-11 MWF  
1-2 TuTh**

*“To understand God’s thoughts, we must study statistics for these are the measure of His purpose.”*  
Florence Nightingale (1820-1910)

*“Finally, brothers and sisters, whatever is true, whatever is noble, whatever is right, whatever is pure, whatever is lovely, whatever is admirable—if anything is excellent or praiseworthy—think about such things. Whatever you have learned or received or heard from me, or seen in me—put it into practice. And the God of peace will be with you.”* Paul of Tarsus (A.D. 5-67)

### COURSE OBJECTIVES

Upon completion of the course, the students will be able to

- A. design an experiment, utilize a computing device to analyze the data and interpret the results.
- B. work collaboratively with a statistician and demonstrate that they understand the concepts in advanced statistical inference.
- C. demonstrate the necessary skills to be successful in subsequent courses in statistical methods.

*Millersville University and its faculty are committed to assuring a safe and productive educational environment for all students. In order to meet this commitment, comply with Title IX of the Education Amendments of 1972, 20 U.S.C. §1681, et seq., and act in accordance with guidance from the Office for Civil Rights, the University requires faculty members to report to the University’s Title IX Coordinator incidents of sexual violence shared by students. The only exceptions to the faculty member’s reporting obligation are when incidents of sexual violence are communicated by a student during a classroom discussion, in a writing assignment for a class, or as part of a University-approved research project. Faculty members are obligated to report to the person designated in the University Protection of Minors policy incidents of sexual violence or any other abuse of a student who was, or is, a child (a person under 18 years of age) when the abuse allegedly occurred.*

*Information regarding the reporting of sexual violence, and the resources that are available to victims of sexual violence, is available at <http://www.millersville.edu/socialeq/title-ix-sexual-misconduct/index.php>.*