

**MATH 236
SPRING 2019
DR. SHOEMAKER**

Text: Statistics, 12th ed., by McClave & Sincich. Prentice Hall Inc., 2013.

<u>Week</u>	<u>Readings</u>
Jan. 21	7.1-7.2, 8.1-8.4
28	7.3, 8.5, 9.1-9.2
31st	CLASS MEETS IN MICROLAB, WICKERSHAM 108
Feb. 4	9.3, 14.3
11	14.4, 11.1-11.2
18	11.3-11.5
25	11.6-11.7 ***EXAM THURSDAY 2/28***
March 4	12.1-12.3
11	BREAK
18	12.4-12.6
25	12.9-12.10
April 1	12.11-12.12, 13.1-13.2
8	13.3-13.4 ***EXAM THURSDAY 4/11***
15	10.1-10.2
22	10.3-10.4
29	10.5

*****FINAL TUESDAY 5/7 8:00-10:00 AM*****

MATH 236

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 three Minitab projects. Your scores on these projects will be part of your test grades.
2. Your attendance is required at all exams. You must notify me as soon as possible 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.
3. Incompletes will be granted only under extenuating circumstances, e.g.
 - (a) Severe illness - letter from attending physician is required.
 - (b) Death in immediate family - obituary notice is required.
4. An incomplete will not be granted to someone who simply falls behind in course work.

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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.” Philippians 4:8-9

COURSE OBJECTIVES

- A. To provide students with enough statistical training so that they can design an experiment, utilize a statistical package to analyze the data, and interpret results.
- B. To provide a thorough, although elementary, understanding of the concept of a general linear model and its applications in regression and design.
- C. To provide enough background for a student to pursue other courses in statistical techniques.

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/socialq/title-ix-sexual-misconduct/index.php>