MATH 235
FALL 2018
DR. SHOEMAKER

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

Week		Readings	
Aug.	27	1, 2.1-2.5	
Sept.	3	2.6	
	7th	**CLASS MEETS IN MICROLAB, WICKERSHAM 108**	
	10	2.7-2.8, 2.10, 3.1-3.3	
	17	3.4-3.6	***EXAM MONDAY 9/17***
	24	3.7-3.8, 4.1-4.2	
Oct.	1	4.3-4.4	***EXAM MONDAY 10/1***
	8	5.1, 5.3a	
	15	5.3b, 6.1-6.3, 7.1-7.2	***FRIDAY 10/19***
	22	7.5a, 8.1-8.3	
	29	8.4, 7.3, 5.4, 8.5	
Nov.	5	8.6, 7.4, 7.5b	***EXAM MONDAY 11/5***
	12	9.1-9.4	
	19	11.1-11.2	
	26	11.3-11.4	
Dec.	3	11.5, Review	

*****FINAL SECTION 1, WEDNESDAY 12/12 8:00-10:00 AM*****
*****FINAL SECTION 2, THURSDAY 12/13 8:00-10:00 AM*****

MATH 235
COURSE GUIDELINES

1. You will note that this course uses MyStatLab for homework. MyStatLab access comes with the bundle sold by the bookstore for the course. If you purchase the text separately, MyStatLab **does not** come with the text. You must login to MyStatLab immediately. Instructions come with the access you purchased. If you have not yet purchased the MyStatLab access, you can get temporary access for a limited time at the website: http://www.mystatlab.com/. You can also purchase the access separately at the website.
2. You will have homework, four exams, a final, and three Minitab projects. The homework will be worth 20% of the grade, Minitab projects 5%, chapter exams 50%, and final 25% of the grade. Collaboration is permitted on the Minitab projects. To receive full credit on the homework, assignments must be completed by the due date listed. There is a 20% penalty for late submissions. There is 0% credit if not completed by the final exam.
3. 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, email, or at the Mathematics department office.
4. 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.
5. 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

The objectives of this course are to provide the student with a basic understanding of statistical inference in the areas of estimation, and hypotheses testing. Thus, the student should acquire:
A. An insight into the need and role of statistical inference in the analysis of data.
B. An ability to read and understand technical literature, now rather commonly interwove with statistical terminology.
C. An understanding of elementary probability theory:
   1. As background for upper level computer science courses.
   2. As a necessary foundation for subsequent courses such as operations research.
D. To introduce students to a statistical computing package (Minitab) and use this package to solve problems in probability and statistics.

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.