

22 QA 281 - 001
Business Statistics I, 4 UG Credit
T/H 2:00-3:45pm Lindner 112
Spring 2008-2009

Instructor: **Prof. Yan YU**
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Office Hours: T TH 12:30pm -1:30pm
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Prerequisites: Math 226, 227

Text: Statistics for Business and Economics, 10th edition, by Anderson, Sweeney, and Williams, South-Western College Publishing (Thomson Learning), Cincinnati, Ohio (2008). ISBN: 0-324-65837-0

Software: Excel, Microsoft.

Grading:	Exam 1	100 points	30%
	Exam 2	100 points	30%
	Homework	18 points	5%
	Computer Homework	15 points	5%
	Exam 3	100 points	30%

Class Notes

Copies of the power point slides used for lecture are available in two ways. First, you may purchase them from **Dubois** Bookstore. They are also available from the course blackboard web page if you print them on your own equipment. The Lindner computer labs will cancel such large printing jobs. It is strongly recommended that you come to class with class notes.

Exams

PLEASE BRING A PICTURE ID TO EACH EXAM.

All exams will be CLOSED BOOK and CLOSED NOTES. Any necessary formulas and tables will be provided. Calculators will be used during the exam. Calculators may not be shared during the exam.

An unexcused absence from an exam will be recorded as a ZERO. An excused absence will be granted only for an absence that meets both of the following conditions: 1) the instructor is notified PRIOR to the exam or 2) the instructor APPROVES the absence. In the case of an excused absence, the weight of the exam 3 will be increased by the amount of the missed exam. In the case of sudden emergence, the instructor should be notified within 24 hours.

Exam 3 is mandatory for all students.

Computer Assignment and Three Homework Problems

One Computer Assignment and **Three** homework problem sets will be **collected** at the beginning of classes on **05/05, 04/23, 05/14, and 06/02** and count for total 15 and 6 points respectively. These homework problems will be posted in the course website about 2 weeks prior to the due dates. Please have a cover page clearly state your last name, first name, and last four digits of UCID M-numbers. Solutions to the homework problems will be posted in the course web after its due dates. Assignment turned in after the due time will **NOT** be accepted.

Suggested Textbook Problems & Review Problems

Suggested textbook problems and review problems will not be collected. Answers will be posted in the course website. You are also recommended to work as many problems as necessary in order to prepare for exams. Start with the self-test questions at the end of each chapter. Then do as many of the problems as necessary. If you have questions about these problems I encourage you to utilize office hours to get these questions answered. You may ask questions about these problems during or after class or in my office hours.

Withdrawal Policy

You may withdraw from the class until the drop date, May 26.

Incomplete Policy

The university policy will be followed. The I grade will be given only if a student, through no fault of his/her own, is unable to complete the course and has an excused absence from the final. Students receiving an I grade must contact the instructor during the first week of the following quarter to arrange a method for completing the course.

Honor Policy

Exams will be “closed-book” and are to be the sole work of each student. Anyone cheating or assisting another during an exam will be given a 0 for that exam and possibly a grade of F for the class. College procedures will be followed and the undergraduate dean will be notified. If warranted, additional action will be taken.

LAST DAY TO WITHDRAW FROM CLASS: 05/26

Tentative Schedule

Date	Assignment	Sections In Text	Suggested Exercise problems (NOT collected)
03/31	Orientation, Syllabus, Introduction	Chapter 1	Check Course Web, email
04/02	Data & Statistics Descriptive Statistics I	Chapter 1 Chapter 2	11,13,14 Read
04/07	Descriptive Statistics I	Chapter 2	4,12,14,15,29,30
04/09	Descriptive Statistics II	3.1-3.3	11, 23
04/14	Descriptive Statistics II	3.4-3.5	31ac,34,38,50,52
04/16	Introduction to Probability	4.1-4.2	8,9,14,18,22
04/21	Relationships of Probability	4.3-4.5	28,30,32,34,38
04/23	Review, Excel, HW1 Due		
04/28	Exam 1		
04/30	Discrete Probability Distribution	5.1-5.3	7,13,18,24
05/05	Computer Assignment Due, Binomial & Poisson, Hypergeometric Distribution	5.4-5.5	26,34,38,43
05/07	Uniform, Normal	6.1	2,6
05/12	Normal Distribution	6.2	11,16,19,22,24
05/14	Exponential, Review, HW2 Due		
05/19	Exam 2		
05/21	Sampling Distribution of \bar{x} , \bar{p}	7.1,7.4,7.5	12,23,25,30
05/26 LAST DAY TO DROP	Sampling, Interval Estimation	7.6, 7.8, 8.1	7.33,37 8.2,6,12
05/28	Interval Estimation of a Population Mean and Proportion	8.2-8.4	14,16,23,25,31, 38,43
06/02	Review, HW3 Due		
06/04	Exam 3		