

IDS270--Business Statistics I

Spring 2007

Instructor: Yanli Cui

Call Number: **16707**

Class Time and Room: T, R 2:00-3:45pm, 202 2LH

Office Hours: T, R 12:30pm-1:30pm, or by appointment, UH2450

Email: ycui2@uic.edu

Phone number: 312-996-7894

TA: to be announced

TA's office hour: to be announced

Email: to be announced

Course website: <http://blackboard.uic.edu/>

Required text: The Practice of Business Statistics Using Data for Decisions (PBS) by Moore, McCabe, Duckworth and Sclove, 2003.

Text website: www.whfreeman.com/pbs.

Statistical software: Microsoft Excel, with appropriate Add-Ins.

Prerequisites: Math 160, IDS 100 and all other IDS & University requirements.

Course description: Introduction to basic concepts and techniques in business statistics such as data displaying and description, linear regression, sampling, experiment design, basic probability theory, basic statistical inference, and so on.

Topics: See attached tentative schedule.

Evaluation:

Attendance	3%
Homework	12%
Quiz	15%
Midterm Exam	30%
Final Exam	40%

Honor Code: The Honor Code of the University of Illinois at Chicago (UIC) College of Business Administration is available at <http://www.uic.edu/cba/Faculty/academicaffairs/honorcode.html>. All students are expected to respect and uphold this code.

Labs: The days when we meet in the computer lab will be announced in class. The labs will be used to learn statistical software and cover some homework problems that are to be done on computer. A part of lecture may also be given during lab time.

Reading: Students should read the materials listed in the attached course schedule before the lecture.

Homework: Homework assignments will be assigned and collected on a regular basis. The solutions will also be posted online after the due date. Discussion between classmates is encouraged; however students should finish the homework assignments independently. Late homework will receive a penalty of **10%** of the actual grade **per day**. However once the graded homework is returned to the class or solutions are posted online, late homework will **NOT** be accepted.

Quizzes: There will be one quiz for each chapter. The one quiz with the lowest grade will be dropped when calculating your final grade. Hence there will **NOT** be make-up for quizzes.

Exams: If you have to miss an exam, notify me of the University accepted reason in order to take a make-up exam.

Grading: In your homework, quiz and exam, when appropriate, you must show supporting work in order to receive credit. **Answers without supporting work will receive no credit**. This also means that in case your final answer is wrong, you will still receive partial credit for the correct work. If you have question about the grading of your homework, quiz or exam, you should bring it back to me within two weeks since the day the material is returned to the class, otherwise it will **NOT** be accepted for re-grading.

Attendance: Attendance to the class (include the labs) is required and counts for **3%** of your final grade. You have to physically show up to earn this credit.

Course Website: The course website contains important information about this course such as assignments and their due dates, quiz and exam dates, course materials and your grades. You are responsible for checking the website on a regular basis, especially when you have to miss class.

Getting Help: If you need help, please don't hesitate to ask. Help from TAs and CBA tutors are available.

Tentative Schedule (subject to change):

Tentative Schedule			
Week	Dates	Readings	Topics
1	1/16	Chapter1	Examination Distributions
	1/18	Chapter1	Examination Distributions
2	1/23	Chapter1	Examination Distributions
	1/25	Chapter1	Examining Distributions
3	1/30	Chapter 2	Examining Relationships
	2/1	Chapter 2	Examining Relationships
4	2/6	Chapter 2	Linear Regressions
	2/8	Chapter 2	Linear Regressions
5	2/13	Chapter 3	Producing Data
	2/15	Chapter 3	Producing Data
6	2/20	Chapter 4	Probability
	2/22	Chapter 4	Probability and Sampling Distribution
7	2/27	Chapter 4	Probability and Sampling Distribution/ Catch-up and review
	3/1	Catch-up and review for Midterm Exam	
8	3/6	Midterm Exam	
	3/8	Chapter 6	Introduction to Inference
9	3/13	Chapter 6	Introduction to Inference
	3/15	Chapter 6	Introduction to Inference
10	3/20	Chapter 7	Inference for Distributions
	3/22	Chapter 7	Inference for Distributions
11	3/27	Spring Break, no class	
	3/29		
12	4/3	Chapter 7	Inference for Distributions
	4/5	Chapter 8	Inference for Proportions
13	4/10	Chapter 8	Inference for Proportions
	4/12	Chapter 8	Inference for Proportions
14	4/17	Chapter 9	Inference for Two-way Tables
	4/19	Chapter 9	Inference for Two-way Tables
15	4/24	Chapter 9	Inference for Two-way Tables
	4/26	Catch-up	
16	5/1	Review	
	5/3	Review	
17	Final Exam (subject to change, location and date to be announced)		