

## IDS270 -Business Statistics I Spring 2008

Instructor: Xiaowei Gong

Call Number: 16710

Class Hours: MWF 12:00pm-1:15pm

Room: LH 202

Office Hours: MW 1:30pm-2:30pm or by appointment, UH 2329

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

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

Textbook Website: [www.whfreeman.com/pbs](http://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.

Evaluation:

Homework:	10%
Quiz:	15%
Midterm:	35%
Final:	40%

Some Rules:

1. Honor Code: This course and its associated coursework are being administered under the policies of the University of Illinois at Chicago (UIC) College of Business Administration Honor Code, which is available at <http://www.uic.edu/cba/Faculty/academicaffairs/honorcode.html>. All students are expected to respect and uphold this code.
2. Homework: Homework will be assigned regularly (almost once a week). Your homework must be organized and clear. If your problems are not in order, then leave me a note where the problem is missing that directs me to where I can find it. I reserve the right to deduct points if your homework is too sloppy or disorganized. Also, you must show a reasonable amount of work to get credit for each homework problem. I reserve the right to deduct points if you do not show a reasonable amount of work or analysis. **HOMEWORK MAY NOT BE SUBMITTED BY EMAIL.**
3. Late Homework: Late homework will only be accepted at the class following the due date of the homework and with a 20% of penalty.

4. Missing homework: If I don't have your homework, you don't have your homework, and no grade is recorded, I will treat this as if you had not turned in the assignment. Thus I encourage you to keep a photocopy or electronic copy, particularly if you turn in your assignment late. I encourage you to look at your grade list on Blackboard regularly to make sure that you have received the appropriate credit for all your assignments.
5. Quizzes: There will be one quiz for each chapter. Quizzes will be given in regular class. The time will be announced in class. Quiz questions will be based on your homework. The one quiz with the lowest grade will be dropped when calculating your final grade. Hence there will NOT be make-up for quizzes.
6. Exam: If you miss the mid-term and have a valid excuse that can be documented, a make-up exam can be arranged. Otherwise you receive a zero for the mid-term. I will be extremely strict about this rule. For the final exam, an alternative exam date and time will be announced for those students with conflicts.
7. Grading: Your grade for the course will be based on the weighted percent of total points possible. I will use a straight scale with 100% to 90% receiving an "A", etc. I may use a curve as I see it. The cut-points of the curve will be ENTIRELY at my discretion. If you have questions 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.
8. Talking in Class: Excessive talking during lecture will not be tolerated. It is distracting to your fellow students and to the instructor. Students who persist in talking during lecture classes will be excused from the classroom.
9. Blackboard: The course website contains important information about this course such as lecture slides, assignments and the due dates, quiz and exam dates, solutions and your grades. You are responsible for checking the website on a regular basis.
10. Email: I occasionally send out email to the class that is very important from the Blackboard system. You can alter your email address that the system sends to, but the default is your regular university email. You are responsible for changing your email address in Blackboard if you wish to.
11. Getting help: If you need help, please don't hesitate to ask.
12. **You are responsible for the content of the class whether you actually attend the class or not.**

Tentative Schedule:

Week	Dates	Reading	Topics
1	1/14,16,18	Chapter 1	Examining Distributions
2	1/23,25	Chapter 1	Examining Distributions
3	1/28,30, 2/1	Chapter 2	Examining Relationships
4	2/4,6,8	Chapter 2	Linear Regression
5	2/11,13,15	Chapter 3	Producing Data
6	2/18,20,22	Chapter 3	Producing Data
7	2/25,27,29	Chapter 4	Probability and Sampling Distribution
8	3/3,5,7	Chapter 4	Probability and Sampling Distribution & Mid-term Review
9	3/10,12,14	Chapter 6	Mid-term(3/12), Introduction to Inference
10	3/17,19,21	Chapter 6	Introduction to Inference
11	Spring break		No classes.
12	3/31, 4/2,4	Chapter 7	Inference for Distribution,
13	4/7,9,11	Chapter 7	Inference for Distribution
14	4/14,16,18	Chapter 8	Inference for Proportions
15	4/21,23,25	Chapter 8	Inference for Proportions
16	4/28,30, 5/2	Chapter 9	Inference for Two-way Tables