

IDS270 -Business Statistics I
Fall 2008, Call Number: 14002

Instructor: **Inna Khagleeva** ikhagl2@uic.edu
Class Hours: Tuesday, Thursday 12:00-1:50pm
Classroom Location: **DH 118**, computer lab: **EPASW L270**
Office Hours: T, R 11:15am-12:00pm and by appointment,
DH 118 or computer lab: **EPASW L270**

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

Statistical Software: Microsoft Excel, Minitab

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%
Quizzes:	20%
Midterm:	35%
Final:	35%

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: I strongly recommend to work on homework assignments in groups (no more than 3 people) as it will help you improve your skill of communicating complex statistical concepts to your future business colleagues. Once the group is formed it cannot be changed, therefore, no complaints will be accepted. 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 will be given in a regular class. The time will be announced in class and on the blackboard. The one quiz with the lowest grade will be dropped when calculating your final grade. Hence there will NOT be make-up for quizzes. Quizzes are intended to prepare you for the examinations.
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. For the exams a one page formula sheet is allowed.
7. 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.
8. 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.
9. 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.
10. Attendance: There is no substitute "being there". Attendance will be taken occasionally, several times during the term. Five points (out of 1000) will be subtracted from the student's overall average for each resulting recorded absence.

11. 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.
12. 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.
13. Getting help: Don't be afraid to come see me if you need help and don't wait until it is too late. If you do not do well of the first two homework assignments, then you probably need to get help before the mid-term exam. Also, the material for the final is generally more difficult than the material for the mid-term, so you will need to apply more effort towards this class in preparation for the final.
14. **You are responsible for the content of the class whether you actually attend the class or not.**
15. Tentative Schedule:

Week	Dates	Reading	Topics
1	8/26, 28	Chapter 1	Examining Distributions
2	9/2, 4	Chapter 1	Examining Distributions
3	9/9, 11	Chapter 2	Examining Relationships
4	9/16, 18	Chapter 2	Linear Regression
5	9/23, 25	Chapter 3	Producing Data
6	9/30, 10/2	Chapter 3	Producing Data
7	10/7, 9	Chapter 4	Probability and Sampling Distribution
8	10/14, 16	Chapter 4	Probability and Sampling Distribution & Mid-term Review
9	10/21, 23	Chapter 6	Mid-term(10/23) , Introduction to Inference
10	10/28, 30	Chapter 6	Introduction to Inference
11	11/4, 6	Chapter 7	Inference for Distribution,
12	11/11, 13	Chapter 7	Inference for Distribution
13	11/18, 20	Chapter 8	Inference for Proportions
14	11/25 11/27	Chapter 8	Inference for Proportions, Thanksgiving - No class
15	12/2, 4	Chapter 9	Inference for Two-way Tables Final Exam Review
16	12/8-12	Final Exam	To be announced