

IDS 570
Statistics for Management, CRN 34924
Fall 2012

Classes: Thursday 6:00 PM - 8:30 PM, SH 303

Instructor: Fangfang Wang, Ph.D.

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Office Hours: Wednesday 1:40pm-3:40pm, and by appointment

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TA: Zhuowang Li

Office Hours: Wednesday 10:00-11:00am

Email: zli38@uic.edu

Office: UH 2450

Any questions regarding homework grading should be discussed first with the TA.

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

Lecture notes, homework assignments, and important announcements will be posted there. **Be sure to visit the web page as often as possible.**

Textbook: *The Practice of Business Statistics Using Data for Decisions, 2nd Edition*, by Moore, McCabe, Duckworth, Alwan.

Bring the textbook and a calculator (or laptop) to every class meeting. You will be asked to perform in-class work.

| Syllabus: | <u>Topic</u> | <u>Chapter</u> |
|------------------|--|----------------|
| | Examining Distributions | 1 |
| | Examining Relationships | 2 |
| | Producing Data | 3 |
| | Probability and Sampling Distributions | 4 |
| | Probability theory | 5 |
| | Introduction to Inference | 6 |
| | Inference for Distributions | 7 |
| | Inference for Proportion | 8 |
| | Inference for Two-Way Tables | 9 |
| | Inference for Regression | 10 |
| | Multiple Regression | 11 |
| | Time Series Forecasting | 13 |
| | One-Way Analysis of Variance | 14 |
| | Two-Way Analysis of Variance | 15 |
| | Nonparametric Tests | 16 |
| | Logistic Regression | 17 |

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|-----------------|-------------------|-----------|
| Grading: | Midterm exam | 30% |
| | Final exam | 45% |
| | Homework | 20% |
| | <u>Attendance</u> | <u>5%</u> |
| | Total | 100% |

- Homework:**
- Homework will be accepted late only in the next class meeting, and with a penalty of twenty percent. Missed homework will receive a grade of zero.
 - Homework will **not** be accepted via email, disk, or any other electronic form.
 - Show your work neatly. Include your name and UIN. Clearly label each problem and staple your homework. Do not use a red color pen/pencil. Although we do not enforce a page limit, please only include relevant outputs and information for computational problems. Failing to follow the rules may lead to a grade of zero for the assignment at the TA's discretion.
 - Each assignment carries equal weight; The lowest grade for homework will be dropped. Your homework average will count for 20% of your final grade.
 - You are allowed to work with other students on the homework problems, however, **verbatim copying** of homework is absolutely **forbidden** and constitutes a violation of the Honor Code; therefore each student must ultimately produce his or her own homework to be graded.

- Exams:**
- Midterm exam is scheduled for Nov 1, 2012. It is closed-book and closed-notes, but formula sheet is allowed.
 - Final exam is a take-home exam. It will be posted on 'blackboard' on Tuesday, December 11 (by 5pm). The final exam is due on Thursday, December 13 (by 5 pm).
 - Both exams are required. Missed exam will receive a grade of zero.

- Attendance:**
- Attendance is required. Attendance will be taken at random times during the semester.
 - If you miss a class session due to sickness or emergency, it is your responsibility to obtain the class notes from a classmate. You are responsible for everything covered in all class sessions.

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. All students are expected to respect and uphold this code.