

Syllabus

IDS 371, Business Statistics II, Spring 2008

Sec 16724, TR 11:00AM-12:15PM, LC E2

Sec 16722, TR 12:30AM-1:45PM, LC E2

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Office Hours: M 3:00PM-4:00PM, TR 1:45PM-2:30PM and by Appointment

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Class Web site: <http://blackboard.uic.edu>

Course Description (IDS 371): Continuation of statistical concepts and techniques for operational and managerial decisions, covering concepts and techniques for business application of statistics including inference and hypothesis testing, linear and multivariate regression and time series techniques, model building, quality improvement, and Analysis of Variance. Microsoft EXCEL spreadsheet and Minitab statistical software will be used to describe and analyze sample data.

Prerequisites: IDS 270 and IDS department and University requirements.

Textbook(s): *The Practice of Business Statistics Using Data for Decisions*, by Moore, McCabe, Duckworth and Sclove, Freeman and Company, latest edition.

Grading Policy:

Weight	Element
20%	Assignments and project
80%	4 Exams at 20% each
100%	**Total**

A: $\geq 90\%$	B: 80% to $< 90\%$	C: 70% to $< 80\%$	D: 60% to $< 70\%$	F: $< 60\%$
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All assignments, due dates, and exam dates will be posted on our web site, in addition to those in the syllabus. You are responsible for checking the web site on a regular basis. General questions must be posted to a Blackboard discussion group, while personal issues should use e-mail. Homework will be assigned and must be turned in by the start of the class, electronically using the digital drop box in Blackboard in addition to a paper copy. Only one submittal per assignment will be accepted, and the file must be named xxxx_yyyy .doc, where xxxx is your netid and yyyy identifies the assignment. Late homework assignments will not be accepted once the solutions are provided; in any case they will lose 10% per day late. To get credit for a homework assignment, you must show the applicable formulas, numeric values substituted into those formulas, and the answer. Once homework or exam grades have been posted it is your responsibility to verify that we have received your assignment and you have received appropriate credit for it. You have one week after the posting of scores and grades to resolve any disagreements. All homework assignments count (none will be dropped). If you must miss an exam, notify me of the University accepted reason so that you can take a make-up exam. Exams will include both multiple choice as well as numeric and descriptive problem solving questions.

Extra Help: Extra help is always available. Please ask, and ask on time.

Honor Code: The last two pages detail CBA policy on this topic.

Approximate (Target) Schedule (IDS 371)

<u>Period</u>	<u>Dates</u>	<u>Reading assignments (Chapter and section)</u>	<u>Topics</u>
Week 1	Mon Jan 14 – Fri Jan 18	1.2, 1.3; 2.1; 3.1; 4.2, 4.4	Introduction; Review of Basics.
Week 2	Mon Jan 21 – Fri Jan 25 Holiday Mon Jan 21	7.1; 6.1; 8.1, 8.2; 6.2, 6.3	Confidence Intervals; Hypothesis testing.
Week 3	Mon Jan 28 – Fri Feb 1	12.1, 12.2; 12.3	Statistics for Quality – QA/QC.
Week 4	Mon Feb 4 – Fri Feb 8	12.4; 2.5; 9.1, 9.2	QA/QC; Inference for Tables; Review.
Week 5	Mon Feb 11 – Fri Feb 15 Exam Number 1	14.1; 14.2; Review and QA/QC	One-Way Analysis of Variance (ANOVA); CI, Hypothesis Testing, and QA/QC.
Week 6	Mon Feb 18 – Fri Feb 22	15.1; 15.2	One-Way ANOVA; Two-Way Analysis of Variance
Week 7	Mon Feb 25 – Fri Feb 29		Two-Way ANOVA
Week 8	Mon Mar 3 – Fri Mar 7	2.2, 2.3, 2.4	Review and problem solving; Least Squares Regression.
Week 9	Mon Mar 10 – Fri Mar 14 Exam number 2	ANOVA	ANOVA
Week 10	Mon Mar 17 – Fri Mar 21	10.1; 10.2, 10.3	Simple linear regression; Example regression problems
	Mon Mar 24 – Fri Mar 28 Spring Break – no classes		
Week 11	Mon Mar 31 – Fri Apr 4	11.1; 11.2, 11.3	Data Analysis for Regression models; Multiple Regression; models.
Week 12	Mon Apr 7 – Fri Apr 11 Exam number 3	13.1; Linear Regression	Time Series Forecasting; Linear Regression.
Week 13	Mon Apr 14 – Fri Apr 18	13.2	Time Series Models; Time series example problems
Week 14	Mon Apr 21 – Fri Apr 25		Review and problem solving
Week 15	Mon Apr 28 – Fri May 2 Exam number 4	Multiple Regression and Time Series	Review; Multiple Regression and Time Series.
Week 16	Mon May 5 – Fri May 9	Final exam week	

Honor Code for the College of Business Administration

As an academic community the College of Business Administration at the University of Illinois at Chicago is committed to providing an environment in which teaching, learning, research, and scholarship can flourish and in which all endeavors are guided by academic and professional integrity. All members of the college community – students, faculty, staff, and administrators – share the responsibility of insuring that high standards of integrity are upheld so that such an environment exists.

In pursuit of these high ideas and standards of academic life, as a student I hereby commit myself to respect and uphold the University of Illinois at Chicago (UIC) College of Business Administration Honor Code during my entire matriculation at UIC. I agree to maintain the highest moral and ethical standards in all academic and business endeavors and to conduct myself honorably as a responsible member of the college academic community. This includes the following:

- Not to seek unfair advantage over other students, including, but not limited to giving or receiving unauthorized aid during completion of academic requirements;
- To represent fact and self truthfully at all times;
- To respect the property and personal rights of all members of the academic community.

An abbreviated version of the Honor Code pledge may be printed on course syllabi, exam booklets, and other uses as deemed appropriate. The abbreviated version is as follows:

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.

Honor Code Violations and Enforcement

Violations of the Honor Code are just causes for discipline under the University of Illinois at Chicago Student Disciplinary Procedure, and all allegations of Honor Code violations shall be handled pursuant to that Procedure.

(For a complete description of just causes for discipline, disciplinary procedures, and sanctions, see the pamphlet “Student Disciplinary Procedure of the Senate Committee on Student Discipline,” available from the Office of the Dean of Students, SSB, Suite 3030, 1200 W. Harrison St., M/C 318.)

Honor Code Council

The Honor Code Council shall be formed consisting of two faculty members elected by faculty vote and six student members (two graduate students and four undergraduate students) appointed by the Assistant Dean for Student Services through recommendation of the Dean's Advisory Council (DAC). Each member will serve a term of one academic year, beginning in August. The Council shall elect a chairperson and a secretary.

The duties of the Honor Code Council shall include:

- Recommend changes in the Honor Code.
- Inform all students, staff, and faculty of the Honor Code and the procedures to be followed for pursuing alleged Honor Code violations.
- Ensure that the Honor Code is prominently displayed within the College of Business Administration and on course syllabi and exam booklets.
- Ensure that the Honor Code and related information are accurately described in the Graduate and Undergraduate catalogs.
- Work with the Office of Student Services to include the Honor Code in its promotion of the University of Illinois at Chicago College of Business Administration to potential students.
- Work with college administration to ensure that the Honor Code statement is signed by all students prior to their enrollment in the college.
- Inform all UIC faculty, staff, and students of the Honor Code of the College of Business Administration, and encourage the adoption of its principles.