DSOM 309: INTERMEDIATE BUSINESS STATISTICS (SPRING 11)

Time:	M-W 5:30-6:45pm	Place:	Bloch-Rm 00012
Instructor:	Xiajun Amy Pan	Email:	panxia@umkc.edu
Office:	Bloch 303	Phone:	816-235-2892
Office Hours:	M-W1:30-3:00pm†	Web:	https://blackboard.umkc.edu/
TA:	Weiling Anna Sun	Email:	wsnc6@mail.umkc.edu

†There will be extra office hours during the weeks before the midterm and final exam.

COURSE DESCRIPTION:

This course emphasizes statistical applications in business, and students will complete research projects using one or more statistical techniques (such as SPSS). Topics covered will include analysis of variance, Chi-square tests, nonparametric tests, simple linear regression, multiple regression, multiple regression model building, and time-series forecasting.

The main objectives of this course are:

- To enhance your knowledge of statistics in business world
- To provide the tools for you to apply simple and multiple regression analysis for problem solving in a business environment.
- To provide a general understanding of more advanced statistical techniques listed above under the course description.

Prerequisites: STAT 235 or BDS 308.

COURSE MATERIALS:

1.Required Text

- Book: "Basic Business Statistics" by Mark L. Berenson, David M. Levine, Timothy C. Krehbiel; 11th Edition; Pearson Prentice Hall 2008.
- ISBN: 0136032605

2. Course Website: This course will use the Blackboard substantially. The login page is located at https://blackboard.umkc.edu/. If you need more information or tutorials, go to http://www.umkc.edu/ia/its/Support/blackboard/students/index.asp. If you have problems using blackboard, you can call the ITS help desk at 816-235-2000. You will find the following on the Blackboard:

(a) Course Notes: PowerPoint slides will be posted on the Blackboard. Most of the time, these slides will be incomplete and you will be expected to fill in the blanks in class.

(b) Assignments: Solutions to individual homework assignments will be posted as well.

(c) Forums: You are invited to further discuss topics brought up in class on the forum. You can also post any comments you have about the material and ask questions. Finally, you can post comments, criticisms and suggestions anonymously regarding the course.

(d) Grades: Grades on exams and assignments will be posted on the Blackboard. Please check that the grade posted matches the grade on your paper copy and notify the instructor (for exams) or the TAs (for assignments) as soon as possible in case of a discrepancy. According to the university rules, the final grades will not be posted, given over the telephone, or released by e-mail. The tests results will be posted on the UMKC Blackboard and the tests are available for viewing in the instructor's office during the announced days/times. The students' final course grades will be posted on the Blackboard as soon as they are calculated. Please do not contact the instructor about your final grades, as the final grades will be posted on the Blackboard as soon as they are calculated. **All grades are final and they will not be changed**.

PERFORMANCE EVALUATION:

Your grade will be assessed through homework assignments, exams and class participation. Below is a description of how the various types of assignments and exams contribute to your grade, as well as a description of each type of graded work.

	Grade
Exam 1	25%
Exam 2	25%
Final Exam	30%
HW	15%
Class Participation	5%
Total	**100%**

Class Participation

Regular attendance at all class meetings is expected. Participation in class, in the form of answering questions and/or commenting on the material is strongly encouraged. Participation on the Blackboard forum will also be counted towards the class participation grade, as long as the posted comments are relevant.

In each session, students are asked to pick up their name card and return it at the end of the session. Students who participate in class are asked to put their name card back on the instructor's desk, the others are asked to put it on the first row of student desks.

Students may not disturb classmates, surf the web, read newspapers or use their cell phones in class; ***otherwise, the participation points will be taken off***.

Homework Assignments
Homework assignments have to be submitted no later than the beginning of the class on its due date as listed on the schedule. You are encouraged to work with other students in the class; however, the solution that you turn in must be your ***OWN***.

No late homework assignments will be accepted.

Homework assignments will be graded by the TAs on a scale of 0 to 100. Points will be given for efforts and correctness of your answers and presentation. Any concern regarding the grading of homework assignments should be addressed directly to the TAs and not to the instructor, no later than ***two weeks*** after the graded assignment was returned in class.

Hand-written solutions are acceptable. However, please make sure that they are ***readable.*** Please also write your number (will be given on the back of your name tag) next to your name.

Exams
All exams are closed book and closed notes. You are allowed to bring an "information" page (both sides of a regular 8.5 x 11-inch page). Do remember to bring your calculator. Cell phones are not allowed as calculators.

No make-up exams will be given to students unless the situation warrants a make-up. This decision will be based on the professor's judgment. If for any justified or excused reason a student must miss a scheduled exam, he/she should contact the professor in advance of the exam, if possible. The student must provide appropriate documentation to support his/her case. Based upon the professor's discretion, a different make-up exam may be administered and without penalty to the student. The missing test must be made up in the next business day following the removal of the excuse (e.g. getting well from an illness documented by a physician).

Final Grade
A final grade will be assigned according to the following schedule:

90% - 100% = A	60% - 69.99% = D
80% - 89.99% = B	Below 60% = F
70% - 79.99% = C	

SCHOLASTIC DISHONESTY

A student enrolling in any UMKC course is expected to exhibit high standards of academic honesty. In the case of academic misconduct, I will assess the affected work and report the incident to Bloch School administration according to the guidelines printed in the University catalog. See student conduct policies at http://www.umkc.edu/umkc/catalog/html/append/policy/0020.html

Cheating and plagiarism will not be tolerated. Persons observed cheating on exams will receive a grade of zero for the exam. Similarly, plagiarism of assignments, projects, and papers is

unacceptable, and a grade of zero will be assigned on any such item where plagiarism has been detected.

COURSE WITHDRAWAL

All course withdrawals must be completed through the Registration Center in the UMKC Administrative Center. Students intending to withdraw from the course after the eighth week of class are required to obtain a signature of both the instructor and an academic advisor before the course withdrawal is official. Telling the instructor that you intend to withdraw from the course or ceasing to attend class does not constitute an official withdrawal. The academic calendar in the class schedule/registration guide lists the official withdrawal dates.

Important dates to remember:

January 12, 2011	Last day to change audit to credit/last day to add
March 4, 2011	Last day to withdraw with "W"

AVAILABLE SUPPORT SERVICES

The University and the Bloch School offer several support services as follows.

- Bloch School Computer Lab: The Bloch School Computer Lab is available for your use. It is located in Bloch 110; the lab's website is: http://www.umkc.edu/is/oa/IS-Lab-Brochure.pdf

- Bloch School Communications Center: Students who desire assistance with professional writing and presentation skills may contact the Bloch Communications Center. Communication coaches are available for proofreading, editing and brainstorming help. The Center is located in room 201; drop-in appointments are welcome.

- Office of Disabled Student Services: If you have any questions about a disability or desire accommodation under the Americans with Disability Act, please contact the Office of Disabled Student Services at 816-235-5696. The Office's website can be accessed at: http://www.umkc.edu/disability/.

CLASS CANCELLATION AND BAD WEATHER CONDITIONS

Information regarding class cancellations due to bad weather conditions may be obtained from UMKC's web site (umkc.edu). Please also listen to local media for UMKC's announcement regarding class cancellation due to weather conditions.

TENTATIVE COURSE SCHEDULE

The following is a tentative schedule of meetings, chapters, and deliverables for the semester. This schedule is subject to change (deletion of assignments/topics, modification of examination dates, etc.). The instructor will explain any changes; however, it is the student's responsibility to keep up with any modifications that are made throughout the semester. An updated schedule will always be available on the Blackboard course website.

	Date	Topic	Readings	Hws*
1	Jan 10 M	Course presentation		
2	Jan 13 W	Statistics Review	Chapters 1-5	
	Jan 17 M	**No Class / Martin Luther King Day**		
3	Jan 19 W	Statistics Review	Chapters 6-10	
4	Jan 24 M	Excel Basics		
5	Jan 26 W	Analysis of Variance (ANOVA)	Chapter 11	HW1
6	Jan 31 M	Analysis of Variance (ANOVA)	Chapter 11	
7	Feb 2 W	Analysis of Variance (ANOVA)	Chapter 11	
8	Feb 7 M	Chi-square & Nonparametric Tests	Chapter 12	HW2
9	Feb 9 W	Chi-square & Nonparametric Tests	Chapter 12	
10	Feb 14 M	Chi-square & Nonparametric Tests	Chapter 12	
11	Feb 16 W	Review		HW3
12	Feb 21 M	**Exam 1 (Chapters 11, 12)**		
13	Feb 23 W	SPSS		
14	Feb 28 M	SPSS		
15	Mar 2 W	Simple Linear Regression	Chapter 13	
16	Mar 7 M	Simple Linear Regression	Chapter 13	
17	Mar 9 W	Simple Linear Regression	Chapter 13	
18	Mar 14 M	Multiple Regression	Chapter 14	HW4
19	Mar 16 W	Multiple Regression	Chapter 14	
20	Mar 21 M	Multiple Regression	Chapter 14	
21	Mar 23 W	Review		HW5
	Mar 28 M	**No class/Spring Break**		
	Mar 30 W	**No class/Spring Break**	Chapter 15	
22	Apr 4 M	**Exam 2 (Chapters 13, 14)**	Chapter 15	
23	Apr 6 W	Multiple Regression Model Building	Chapter 15	
24	Apr 11 M	Multiple Regression Model Building		
25	Apr 13 W	Multiple Regression Model Building		
26	Apr 18 M	Time-series Forecasting Method	Chapter 16	HW6
27	Apr 20 W	Time-series Forecasting Method	Chapter 16	
28	Apr 25 M	Time-series Forecasting Method	Chapter 16	
29	Apr 27 W	Review		HW7
	May 2 5:45-7:45pm	**Final Exam (Comprehensive)**		