SYLLABUS: Advanced Applied Business Statistics  
**BUAD 5603, Section 270**  
**Spring Semester 2012**  
**MW: 5:30 – 6:50**  
**Dillard 335**

Contact Information:

Instructor: Dr. James R. Owen, Assistant Professor of Economics  
Office: Dillard Hall - 293  
Office hours: MW, 1:30-5:30 pm; TR, 9:00-10:00 am; Or by appointment  
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Course Materials:


Course Description:

Computerized statistical analysis. Inferential statistics, estimation, and testing hypotheses with emphasis on ANOVA, multiple regression, and nonparametric statistics.

Course Prerequisite:

BUAD 3033 or equivalent and consent of the Graduate Coordinator
Learning Goals:

A. General Learning Goals:

Upon successful completion of this course, students should:

1) Demonstrate problem solving and decision making abilities through critical analysis, evaluation, and interpretation of business information.
2) Demonstrate a competency in speaking and writing for common business scenarios.
3) Know how to use team building and collaboration to achieve group objectives.
4) Be able to utilize available technology for common business applications.

B. Course Specific Learning Goals:

Upon successful completion of this course, students should have developed an understanding of:

1) The meanings and applications of descriptive statistics and sampling distributions.
2) Estimation and hypothesis testing.
3) Simple linear regression.
4) Multiple regression analysis.
5) Regression in a time-series context.
6) Nonparametric tests.

Other Requirements:

Each student should have a calculator capable of calculating standard deviations and is expected to be familiar with the calculator’s functions.

Grading and Evaluation:

Course Grading: Presentations: 20%
Written reports: 20%
Midterm project: 25%
Semester project: 25%
Participation: 10%
Total: 100%

Scoring:
90 – 100 A
80 – 89 B
70 – 79 C
60 – 69 (no credit) D
Below 60 (no credit) F
All grades are firm and non-negotiable. To maintain fairness for the entire class, the same grading criteria will be applied to every student and no personal reason will be considered for grading purposes. Grades will be disclosed only on assignments, in person or via Blackboard.

Presentations: Student presentations will occur each week, typically during each Monday class. The Monday presentations will cover the topic(s) introduced during class the preceding Wednesday and be based on an assignment which all students will complete. Typically presentations will be expected to run from five (5) to ten (10) minutes. A rubric will be provided as a guide for presentation preparation.

Written reports: A written report from each student is expected in connection with each Wednesday assignment. Written reports are expected to follow the format described in a rubric that will be separately provided. Unless otherwise specified, assignment reports are expected to be prepared using a word processor and not exceed one printed page (appropriate attachments are acceptable).

Midterm Project: This will be a team project analysis that will focus on a specific topic using specific guidelines and will be completed over a specific time frame. It will simulate a statistical analysis similar to assignments that often occur in a business setting. The teams will be made up of three students each on a self selected basis. Team formation is to be completed no later than the beginning of class on 08 FEB 13 (Monday). When a team has formed, send an email message through Blackboard to the instructor that identifies the team members. Individuals who are not part of a team on or before the formation deadline will become single member teams, subject to a grade penalty for failing to complete the team formation part of the midterm project assignment. Each member of a common team will receive the same grade on the midterm project regardless of their responsibilities within the team. Once a team has formed, including appropriate notification to the instructor, that team composition cannot be changed. In the event a member drops the course, the remaining team members will continue on to complete the assignment.

Semester Project: The semester project will be an individual project assigned following spring break. This project will be somewhat similar to the midterm project, with specific instructions provided at a later date.

Participation: The participation grade is based on 1) Attendance, 2) Performance with respect to raising and answering questions in class, and 3) Grades on random quizzes and/or in-class assignments. Perfect attendance does not guarantee that a student will receive full credit for participation. A class roll sheet will be circulated for each student to sign during each class period. Signing a name other than your own on the roll sheet is disruptive conduct in this course.

Attendance: Please refer to the Midwestern State University Graduate Catalog (2010 – 2012), p. 27 for the course attendance policy.

Students who miss more than one third of the class periods without valid excuses will be dropped from the course. Please see the Midwestern State University Student Handbook (2011 – 2012) for the definition of a valid excuse. Documentation for excused absences must be delivered to the instructor within one week of an absence.
The “Three C” Rule, Midwestern State University Graduate Catalog (2010 – 2012), p. 60

Graduate students who earn a grade of “C” or below in no more than two different graduate courses will be allowed to remain in the MBA program as long as their cumulative GPA remains 3.00 or higher. However, after earning the second “C” or below grade, a graduate student must meet with the Graduate Coordinator to create a plan for improving performance. If a graduate student earns a grade of “C” or below in more than two different graduate courses, the student will be dismissed from the MBA program.

Other Course Policies:

1) Please bring a calculator (separate from your communication device) to class.
2) Regular class attendance is in the student’s best interest.
3) Students are expected to read class materials before and after scheduled classes.
4) Announcements will be posted online through Blackboard. It is the responsibility of each student to be proficient in the use of Blackboard and to check it regularly for postings and other class materials.
5) Video, audio, and unage recording other than taking hand-written or typed notes in the classroom is not allowed without prior consent of the instructor. Redistribution of course materials prepared by the instructor in any form outside this class is prohibited.

Academic Integrity:

With regard to academic honesty, students are referred to the “Student Honor Creed” on p. 51 of Midwestern State University Graduate Catalog, (2010 – 2012). A student who commits academic dishonesty is subject to conduct sanctions (please refer to the Midwestern State University Student Handbook (2011 – 2012) for the definition of Academic Dishonesty, Conduct Sanctions, and Academic Misconduct Procedures).

Americans with Disabilities Act:

This course follows the guidelines suggested by the Disabilities Support Services Office for qualified students. See Midwestern State University Graduate Catalog (2010 – 2012), p. 53 for details.

Syllabus Change Policy:

This syllabus is a guide for the course and is subject to change.

References:

Midwestern State University Graduate Catalog (2010 – 2012), http://registrar.mwsu.edu/catalog/