

The University of South Dakota
Spring 2014
BADM 220: Business Statistics
Online

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Course Catalog Description

Business Statistics introduces students to basic statistical methods. Topics, with computer applications, include: descriptive statistics, probability, distributions, sampling, estimation and index numbers with emphasis on applications in business and economics.

Prerequisites:

College Algebra (MATH102) or similar class including MATH 115 (Pre-Calculus), MATH 120 (Trigonometry), MATH 121 (Survey of Calculus—Business Calculus), MATH 123 (Calculus I), or MATH 125 (Calculus II).

Text

The required text for this class is Statistics for Business and Economics (11th edition or revised 11th edition) by David R. Anderson, Dennis J. Sweeney & Thomas A. Williams (South-Western Cengage Learning, 2011) ISBN: 0-324-78325-6 or 0-538-48164-1. This text will also be used for those who advance to BADM 321, Business Statistics II. The online access code is not needed.

Attendance Policy

While this class is delivered asynchronously online, it is expected that students have watched all online lectures. Office hours will be held live via Blackboard Collaborate from 5:30-6:30pm central time. At the conclusion of office hours, any discussions held will be posted online for review later. If you are not going to watch lectures and office hours, you should not expect to do well in the course just as you would not expect to do well if you skipped class in a face-to-face environment.

Student Expectations

Students are expected to be familiar with the policies and expectations of the class as outlined in the syllabus, course assignment schedule, and those in the [Online Student Handbook](#). The online student handbook outlines technical and netiquette requirements as well. Weekly requirements for the course can be found in the course assignment schedule, the weekly checklist in the news feed, and due dates in dropboxes and quizzes where relevant. The South Dakota Board of Regents defines a credit hour as one hour of classroom or direct faculty instruction and two hours of out-of-class student work. You should expect to spend around nine hours per week for a three credit hour class. Students are also expected to ask for assistance as needed to ensure understanding of the course material.

Instructor Expectations

The instructor will strive to ensure students are supported during the learning process and will provide all students with the same opportunity for success and learning in this course. The instructor will respond to emails within 24 hours during the week and 48 hours on weekends and will work to ensure student understanding as questions arise. Additionally, the instructor will abide by the policies set forth by the South Dakota Board of Regents and University of South Dakota.

Learning Objectives and Related Assessment

Objective	Assessment
Observe the uses for statistical tools in business and identify data and data sources in practical settings.	All assignments and exams
Identify and utilize tools for qualitative and categorical data.	Week 1 Homework, Week 4 Quiz, Week 6 Homework, Project, Exam 1
Learn basic statistical tools (descriptive statistics) for data sets and associations between two variables.	Week 2 Homework, Week 3 Homework, Week 4 Quiz, Week 6 Homework, Exam 1, Project
Identify and compute various indexes.	Week 7 Homework, Week 9 Quiz, Exam 2
Define and solve probabilities, both discrete and continuous.	Week 7 Homework, Week 11 Homework, Week 12 Homework, Exam 2, Final Exam
Observe various sampling methods and calculate expected values.	Week 13 Homework, Week 15 Quiz, Final Exam
Gain a basic understanding of Microsoft Excel and its application to statistical needs in business.	Week 6 Homework, Exam 2, Project

Grades, Exams, Cases, and Group Projects

Your final course grade will be determined using the following distribution:

Exam 1	20%
Exam 2	20%
Final Exam	20%
Homework and In-Class Activities	35%
Project	5%

Exams will primarily be given in paper format during the weeks specified in the course outline. Exam 2 will also include an Excel portion. Students will need to take the exam at a designated testing site or find a proctor. Visit the [Off-Campus and Distance Learning](#) site for more information regarding testing centers and proctored exams. Make-up exams will be given on an emergency basis only. The final exam must be taken during finals week (Monday, April 30 – Sunday, May 6). **Please note:** Since proctors will have to email, fax, or mail exams to me, this may delay grading. Every effort will be made to return grades as quickly as possible; students

should expect exam grades within 1 week of the instructor receiving the exam. Graded exams will be returned to students as PDF files via email.

Homework and quizzes are an important component of this class. Homework must be submitted to the D2L drop-box and will be given full credit as long as it is complete, turned in on time, with all work shown. A 10% deduction will be applied for each day a homework assignment is late except the Monday of an exam week. An answer key to all homework will be made available to the entire class regardless of completion by the Monday of exam week; therefore, late homework will not be accepted after this point. Worked out homework problems and an answer key will be made available to those who have completed their homework within 72 hours after homework is due and to the entire class when credit for the assignment is no longer possible so students can compare work and answers. Feedback will be provided in the D2L Dropbox if full credit is not granted for the assignment. It is expected that students will take this feedback to improve their understanding of the material as exam problems will resemble homework problems.

There will be one project requiring data analysis and a brief written report from each student. Details and expectations about projects will be given in class after Exam 1.

There is an “Answered Questions” grade item for which you all currently have full credit. While I encourage and welcome questions to give you a better understanding of the concepts we will cover in this course, I prefer not to be asked questions which have already been answered in the syllabus or in writing (i.e. due dates, late homework policies, etc.). Any question asked which has already been answered will result in a 1 point deduction from this score.

Quizzes will be administered through the “Quizzes” link in D2L. Quizzes will be open-book, open-note, and contain 30 multiple choice questions. Late quizzes will not be accepted. Quiz grades will be made available as soon as the quiz is completed and answers will be available within 48 hours of the completion of the quiz.

Extra credit opportunities will be available periodically throughout the semester. These opportunities may include quizzes, bonus homework, extra questions or problems on exams, etc. Make-ups will not be given for extra credit opportunities. All students will be notified if an extra credit assignment is made available.

Grades will be based on no more than the percentage of points earned on the following scale:

>90% = A 80-89.9% = B 70-79.9% = C 60-69.9% = D < 60% = F

On all assignments, academic honesty is expected and dishonesty will not be tolerated, in accordance with School of Business policies. If you have concerns about what constitutes ethical behavior for any aspect of this course, please ask.

Beacom School of Business Policy on Plagiarism:

Plagiarism is defined as using the words and/or ideas of another representing them to be your own, without proper credit to the author or source. Whether intentional or unintentional, plagiarism will result, at a minimum, in a grade of zero for that assignment. Since it is impossible to evaluate a plagiarized assignment, no credit can be given. However, at the discretion of the instructor, a student may be allowed to rewrite and resubmit the assignment for credit.

Beacom School of Business Undergraduate Exit Exam (USD Business Majors Only)

The material presented in this course is part of the common body of knowledge for this discipline. Mastering the information presented in this course lays the foundation for your future success as a knowledgeable, well-rounded business professional. The course is designed to encourage you to commit this valuable information to your long-term memory. In addition to demonstrating mastery of this information throughout the course, you will also be required to demonstrate your retention of this critical common body of knowledge by achieving a satisfactory score on the Beacom School of Business's exit exam which is part of BADM 482 (Business Policy and Strategy). Achieving a satisfactory score on the exit exam is a graduation requirement.

University Policy for a Dishonest Assignment:

No credit can be given for a dishonest assignment. At the discretion of the instructor, a student caught engaging in any form of academic dishonesty may be:

- a. Given a zero for that assignment.
- b. Allowed to rewrite and resubmit the assignment for credit.
- c. Assigned a reduced grade for the course.
- d. Dropped from the course.
- e. Failed in the course.

Additional Policy for a Dishonest Assignment:

Additionally, any student caught engaging in any form of academic dishonesty will not be eligible for any form of extra credit including extra credit already completed and will not be eligible for any adjustment to the grading scale posted in the syllabus.

Statement on Freedom in Learning

Under Board of Regents and University policy student academic performance may be evaluated solely on an academic basis, not on opinions or conduct in matters unrelated to academic standards. Students should be free to take reasoned exception to the data or views offered in any course of study and to reserve judgment about matters of opinion, but they are responsible for learning the content of any course of study for which they are enrolled. Students who believe that an academic evaluation reflects prejudiced or capricious consideration of student opinion or conduct unrelated to academic standards should contact the dean of the college that offers the class to initiate a review of the evaluation.

Mission Statement: Beacom School of Business at the University of South Dakota

Our primary mission is excellence in undergraduate and graduate education that develops successful future business leaders. We deliver high value to our students, employers and community through distinctive teaching and learning supported by significant intellectual and professional contributions and meaningful service.

Beacom School of Business Inclusive Excellence Statement

The Beacom School of Business is committed to USD's Inclusive Excellence initiatives. We are committed to cultivating an environment of Inclusive Excellence at all levels of the school. We are committed to graduating globally and culturally aware business students who are equipped with the tools to embrace and practice inclusiveness.

[University of South Dakota Inclusive Excellence Statement](#)**Student Code of Ethics**

Students enrolled at the Beacom School of Business are expected to maintain the highest standards of integrity and ethical principles and to adhere to the [Student Code of Ethics](#) developed and approved by Beacom School of Business students. This Code provides a frame of reference for the behavior of Beacom School of Business students in their personal, academic, and professional activities.

Additional Information

The last day to drop a class with a full refund and without having the class recorded on your academic record is Wednesday, January 17, 2018. The last day to drop a class with a grade of "W" is Tuesday, April 3, 2018. Courses may not be dropped after April 3, 2018.

The instructor of a course may drop a student for non-attendance or non-participation provided the student is in violation of the official attendance policy or participation policy of the course. Instructor initiated drops are at the instructor's option, but they must be submitted to the Registrar's Office by April 3rd and be approved by the dean of the college or school in which the course is offered. The student is notified by the Registrar's Office that he/she has been dropped from the course. The grade assigned is in accord with the drop policy for student initiated drops.

Disability Services

If you have a disability for which you are or may be requesting an accommodation, you are encouraged to contact both your instructor and the Director of the Office of Disability Services (Service Center 119; 605-677-6389 | disabilityservices@usd.edu) as early as possible in the semester.

Class Schedule and Reading Assignments

The following is a brief listing of topics, reading assignments, and cases. This class schedule is tentative and our actual rate of progress may vary.

Dates	Topics	Chapters
Jan 8-Jan 14	Introduction to BADM 220	Introduction
Jan 15-Jan 21	Data and Statistics Descriptive Statistics: Tabular and Graphical Presentations	1 2
Jan 22-Feb 4	Descriptive Statistics: Numerical Measures	3
Feb 5-Feb 11	Chapter 1, 2, and 3 Quiz Review Week for Exam 1	1, 2, and 3
Feb 12-Feb 18	Exam 1	1, 2, and 3
Feb 19-Feb 25	Index Numbers Introduction to Probability	17 4
Feb 26-Mar 4	Excel	Excel
Mar 5-Mar 11	SPRING BREAK!	N/A
Mar 12-Mar 18	Excel Project	Excel
Mar 19-Mar 25	Chapter 17 and 4 Quiz Review for Exam 2	Excel, 17, and 4
Mar 26-Apr 1	Exam 2	Excel, 17, and 4
Apr 2-Apr 8	Discrete Probability Distributions	5
Apr 9-Apr 15	Continuous Probability Distributions	6
April 16-Apr 22	Sampling and Sampling Distributions	7
Apr 23-Apr 29	Chapter 5, 6, and 7 Quiz Review for Final Exam	5, 6, and 7
Apr 30-May 6	Final Exam	5, 6, and 7