

COURSE REQUIREMENTS

Statistics for Business and Economics

Instructor: Joan Donohue, Associate Professor of Management Science
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 Class Website: <http://dmsweb.moore.sc.edu/donohue>
 Office Hours: MW 1:30 – 2:30 p.m.
 MW 5:30 – 7:30 p.m.

Course Information: MGSC 291, Section 001, MW 2:30–3:45 p.m., BA Room 584.
 MGSC 291, Section 002, MW 4:00–5:15 p.m., BA Room 002.

Textbook: Basic Statistics for Business and Economics, 5th edition, 2006, by Lind, Marchal, and Wathen, published by McGraw-Hill/Irwin, ISBN 0072983965.

The textbook can also be purchased on-line from: www.ebooks.primisonline.com (or choose “Purchase eBook” from the class website). You can purchase the eBook in either of 2 formats: “Online viewing” or “Adobe download.”

On-line resources for this textbook can be found at the publisher’s website (see the class website for 2 links to these on-line textbook resources).

Course Objective:

This course provides students with the knowledge and skills needed to collect, present, and characterize information to assist in both data analysis and decision-making processes. Homework assignments involve statistical data analysis and are performed by hand. Students also complete a group project involving survey development, data collection, data analyses using EXCEL, an oral presentation, and a written report.

Course Content:

Descriptive Statistics	Chapters 1, 2, 3, 4
Probability Distributions	Chapters 5, 6, 7, 8
Inferential Statistics	Chapters 9, 10, 11, 12, 13

Attendance Policy:

A seating chart will be used and attendance will be taken each class period.

Each unexcused absence will reduce your attendance score by 10 (out of 100) points.

Being late for class (or leaving during class) will reduce your attendance score by 5 (out of 100) points.

Please notify the instructor in ADVANCE if you will be missing class. You will not be marked absent if you have a legitimate excuse for missing a class that you notified the instructor about ahead of time.

Quizzes:

Quizzes will be given following the completion of each Chapter. The exact dates of quizzes will be announced during the immediately preceding class period. The quizzes will be based on the assigned HW problems. Please note that HW assignments are not collected or graded. Solutions to the HW assignments are available on the class website.

Grading Scale

A	90 – 100
B+	87 – 89.9
B	80 – 86.9
C+	77 – 79.9
C	70 – 76.9
D+	67 – 69.9
D	60 – 66.9
F	Below 60

Percentages of Final Grade

10%	Attendance
10%	Quizzes
10%	Final Project (oral presentation and written report)
20%	Test #1
20%	Test #2
30%	Final Exam

SYLLABUS

Statistics for Business and Economics

#	Day	Date	Topic	Reading	Assignment Due *
1	Monday	January 14	What is Statistics?	Chapter 1	
2	Wednesday	January 16	Describing Data: Graphic Methods	Chapter 2	HW Ch.1
	Monday	January 21	No Class (Martin Luther King Day)		
3	Wednesday	January 23	Describing Data: Numerical Measures	Chapter 3	HW Ch.2
4	Monday	January 28	”	”	
5	Wednesday	January 30	Describing Data: Exploratory Methods	Chapter 4	HW Ch.3
6	Monday	February 4	A Survey of Probability Concepts	Chapter 5	HW Ch.4
7	Wednesday	February 6	”	”	
8	Monday	February 11	Review and Catch-up		HW Ch.5
9	Wednesday	February 13	TEST #1 (Chapters 1, 2, 3, 4, 5)		
10	Monday	February 18	Discrete Probability Distributions	Chapter 6	
11	Wednesday	February 20		”	
12	Monday	February 25	Continuous Probability Distributions	Chapter 7	HW Ch.6
13	Wednesday	February 27	”	”	
14	Monday	March 3	Sampling & the Central Limit Theorem	Chapter 8	HW Ch.7
15	Wednesday	March 5	”	”	
	Monday	March 10	No Class (Spring Break)		
	Wednesday	March 12	No Class (Spring Break)		
16	Monday	March 17	Estimation & Confidence Intervals	Chapter 9	HW Ch.8
17	Wednesday	March 19	”	”	
18	Monday	March 24	Review and Catch-up	”	HW Ch.9
19	Wednesday	March 26	TEST #2 (Chapters 6, 7, 8, 9)		
20	Monday	March 31	One-Sample Hypothesis Tests	Chapter 10	
21	Wednesday	April 2	”	”	
22	Monday	April 7	Two-Sample F-Test on Variances	Chapter 12	Project Proposal
23	Wednesday	April 9	Two-Sample t-Test on Means	Chapter 11	HW Ch.10
24	Monday	April 14	Linear Regression and Correlation	Chapter 13	HW Ch.12
25	Wednesday	April 16	”	”	HW Ch.11
26	Monday	April 21	Review and Catch-up		HW Ch.13
27	Wednesday	April 23	Student Presentations of Final Projects		
28	Monday	April 28	Student Presentations of Final Projects		
	Tuesday	April 29 3:00 p.m.	Reading Day (make-up quizzes)		
	Friday	May 2 7:00 p.m.	Final Exam (cumulative) Common Exam Time for MGSC 291		Final Project Written Report

* HW assignments will not be collected. The Project Proposal and the Final Project Written Report will be collected.