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.


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
# Day  | Date       | Topic                                      | Reading      | Assignment Due * |
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1      | Monday     | January 14                                | What is Statistics? | Chapter 1        |
2      | Wednesday  | January 16                                | Describing Data: Graphic Methods | Chapter 2        | HW Ch.1 |
3      | Monday     | January 21                                | No Class (Martin Luther King Day) |                 |
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                                   |                      |                  |
16     | Monday     | March 10                                  | No Class (Spring Break) |                 |
17     | Wednesday  | March 12                                  | No Class (Spring Break) |                 |
18     | Monday     | March 17                                  | Estimation & Confidence Intervals | Chapter 9        | HW Ch.8 |
19     | Wednesday  | March 19                                  |                      |                  |
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 |         |
29     | Tuesday    | April 29 3:00 p.m.                         | Reading Day (make-up quizzes) |                 |
30     | 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.