MATH 119 – ELEMENTARY STATISTICS

Instructor: Patrick Staley
     Office: 390D
     Office hours: 9:00-9:50am Mon-Wed-Fri, also 11:00-11:25AM Mon and Wed
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Text: Basic Practice of Statistics Fifth Edition, by David Moore.

Prerequisites: Math 70 with grade of C or better.

Class Hours: section 05: 10:00-11:15AM
                section 09: 1:30-2:45PM
                Mon Wed Fri in room 344

Graphing and Calculations: Students will use the Excel spreadsheet program. Excel is available on all the student computers in the School of Math Science and Engineering. Exams will require a scientific calculator.

Course Description: This is an introductory class of practical statistics. Specific topics include--

     Picturing data with graphs
     Describing Distributions with numbers
     Normal distributions
     Correlation and linear regression
     Sampling
     Experiment design
     Elementary probability
     Samples and Populations
     Binomial distributions
     Confidence intervals
     Tests of significance
     Inference errors
     Inferring a population mean
     Inferring a population proportion

Attendance Policy: Students are expected to attend all lectures. If a student misses excessive class time, he/she may be dropped. Attendance is taken with a seating chart. Missing the second hour of a two hour class will be marked as an absence. All absences are the same, i.e. there are no "excused" absences. A student with four or more tardies may be dropped from the class.

Electronic Devices: During lecture please turn off all phones, pagers, music devices, tape recorders, etc.

Special Accommodations: Southwestern College recommends that students with disabilities discuss academic accommodations with their professors during the first two weeks of class. An alternate form of this syllabus is available upon request.

Homework: There will be homework due for every chapter. Repeated failure to complete homework assignments will be identified as non-performance. The assigned homework problems will be posted on the class website.

Grading Policy: Your final grade will be a composite of five exams, a group project, and a Final Exam. The first three exams have both an in-class part (IC) and a do-at-home part (DAH). The fourth exam is an extensive in-class exam The final exam is comprehensive. The Final Exam and the group project are each weighted as one and one-half exams. Letter grades of A,B,C,D, or F are assigned to each exam, project, and the Final Exam. These are then incorporated into the final grade based on the weight assignments A=4, B=3, C=2, D=1, and F=0. There will be no make up tests. You should be able to access your current aggregate grade through the class website.

Example of Grading Algorithm: Assume chapter test grades of B,D,B,B, B a group project grade of B, and final exam grade of A. Then class grade = (3+1+3+3+3+3*1.5+4*1.5)/8 = 2.94 = B (note that for the class grade A is 3.501 to 4.0, B is 2.501 to 3.5, C is 1.501 to 2.5, D is 0.9 to 1.5, and F is 0 to .89)

Exams: Knowing the correct answer to an exam question is insufficient—the correct answer must be written on the answer sheet. Exam answers that confuse the grader will be marked wrong.

Website: www.staley-classes.org contains relevant information for this class including: homework assignments, current notes to students, information on exams, an updated syllabus, the current grade sheet (password protected), project descriptions, exam practice problems, practice tests, answers to practice tests, and other relevant information. So that you receive website update notifications please send an email message using the "get it" link under the appropriate "Notification" line. This will put you on the email notification list for the class.

Exclusion Policy: A student may be dropped from the class for excessive absences. A student may be excluded from the class for cheating or disruptive behavior. This class adheres to all misconduct policies as stated in the Southwestern College catalog.

Cheating: Behavior indicative of cheating will be handled by an oral exam, the outcome of which will be one of: F grade on the exam, F grade for the semester, student drops the class, or reinstatement of the score. This penalty also applies to any accomplice.

Tutorial Services: The MESA Center, located in room 396, provides free tutoring for this course. The Academic Success Center in room 420, may also offer tutoring.

Projected Schedule:
week 1 –-Chapters 1	week 10 --Chapter 12
week 2 --Chapter 2	week 11 --Chapter 13
week 3 --Chapter 3	week 12 --Chapter 14
week 4 --Chapter 4	week 13 --Chapter 15
week 5 --Chapter 5	week 14 --Chapter 17
week 6 --Chapter 8	week 15 --Chapter 18
week 7 --Chapter 9	week 16 –Chapter 19
week 8 --Chapter 10	week 17 -- Group Project Presentations
week 9 --Chapter 11	week 18 --Final Exam

Final Exam times: section 05 Monday May 17 10:15AM-12:15PM
                    section 09 Wednesday May 19 12:45PM-2:45PM

Initial Assignment: Buy the textbook, visit the website, and read chapter 1.