Text: Concise Managerial Statistics
By Kvanli, Pavur, and Keeling
(ISBN: 0-324-22388-9)

Course Description: Statistical concepts and methodology useful in understanding, assessing, and controlling operations of business statistics. The major objectives are both an understanding of the statistical methods introduced in the course and comprehension of a framework for the application of statistics to business problems and business research activities.

Evaluation: The final grade in the course is determined by three regular semester exams, group projects, and a comprehensive final exam. The exact time of the final exam will be announced. Failure to turn in all computer assignments will result in a drop of one letter grade. The following scale is used:

A = 92 percent of total points possible
B = 82 - 91
C = 72 - 81
D = 68 - 71
F = 67 and less

Class participation and attendance: No make-up work is provided for assignments or tests. All work must be turned in ON TIME to receive credit. Because of the difficult nature of this material, attendance is required. Class time will be divided between lectures, problem solving, class discussions, pop quizzes, and examinations. Missing classes may cause a drop in grades.

Content: Various sections of the first 12 chapters will be covered, including: statistical terms and definitions, graphs, descriptive measures, probability concepts, discrete and continuous probability distributions, statistical inference and sampling, hypothesis testing, confidence intervals, analysis of variance, correlation, and simple linear regression. See table of contents in book for full detail of coverage. Also attached to the syllabus are detailed lists of reading and homework assignments.

Note: Reasonable and appropriate accommodations will be provided to students with disabilities who present a memo from Student Disability Services (SDS).

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Grading

Quizzes & Hm  25%
Exam I        25%
Exam II       25%
Exam III      25%

WARNING: A prerequisite and/or upper division check may be done once the first class roll has been issued. If you do not have the appropriate upper division approval designated on your advisor form and/or prerequisite for this course, you may be administratively dropped. This check will not be completed until after the "add" period. If you do not have the required upper division approval or prerequisites, it is your responsibility to correct the situation during the official "add" period. In this regard, please make sure you contact your advisor and/or student handbook to fully understand the policies regarding drops, incompletes and other university policies that might affect academic progress. Please don’t wait until the last day of class to get problems resolved.

Statistics Scheduled Reading Assignments

The following schedules are strictly tentative. The instructor may adapt the pace and the order of presentation to fit the needs of the class.

Class 1
Sec. 1.1, 1.2, 1.3, 1.4, 1.5, 1.6, 1.7, 2.1, 2.2, 2.3, 2.4, 2.5, 2.6, 2.7,

Class 2
Sec. 3.1, 3.2, 3.3, 3.4, 3.5, 3.6, 3.7, 3.8

Class 3
Sec. 4.1, 4.2, 4.3, 4.4  Review for test 1 (Chapters 1-4)

Class 4
Sec. 5.1, 5.2, 5.3, 5.4

Class 5
Test 1

Class 6
Sec. 6.1, 6.2, 6.3, 6.4

Class 7
Sec. 6.5, 6.6, 6.8, 7.1, 7.2, 7.3  Review for test 2 (Chapters 5-7)

Class 8
Sec. 7.4, 7.5, 8.1, 8.2

Class 9
Test 2
Class 10  
Sec. 8.3, 8.4, 9.1, 9.2, 9.3, 9.4  

Class 11  
Sec. 9.5, 9.6, 10.1, 10.2, 11.1, 11.2, 11.3, 11.4  Review for test 3 (Chapters 8-11)  

Class 12  
Test 3  

Class 13  
Sec. 12.1, 12.2, 12.3 (review for final)  

Class 14  
Final Exam TBA  

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Business Statistics Homework Assignments  

Homework Chapter 1:  2, 3, 5, 7,  

Homework Chapter 2:  1, 3a-b, 5, 9, 27, 31  

Homework Chapter 3:  1, 3, 6, 13a-b, 19, 22a-b, 25, 27, 35, 53  

Homework Chapter 4:  1, 2, 3, 6, 7, 16, 18a-d, 25, 26, 29, 45, 47  

Homework Chapter 5:  1, 3, 5, 9, 11, 13, 21, 25, 29, 31, 33, 42, 43  

Homework Chapter 6:  3, 5, 7, 8, 11, 13, 15, 21,  

Homework Chapter 7:  1, 3, 5, 11, 13, 16, 23, 25, 35, 37, 61  

Homework Chapter 8:  1, 2, 3, 5, 17, 19, 27, 37a-c, 39  

Homework Chapter 9:  1, 3, 5, 7, 9, 13, 25, 37, 38a, 47a, 49, 57  

Homework Chapter 10:  1, 3, 16, 17a-b, 19, 31, 40, 41  

Homework Chapter 11:  1, 2, 13, 23, 33  

Homework Chapter 12:  1, 2, 5, 9, 10, 12