

Syllabus STAT A01

3 hrs. Credit

Dr. Spraker

Day's & Time: MTWRF 10:30 – 12:10

June 3 – July 3

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Office Hours: 12:10 – 1:30 MTWR

Other times by appointment or capture.

Welcome to STAT 301, Introductory Probability and Applied Statistics. Statistics is one of the most applicable fields in mathematics. We will analyze data, fit curves to data and industry, and apply probability to solve real world problems. Statisticians are employed in government, industry, and academia so an understanding of this field can lead to many lucrative careers. We will move quickly, so keep up. Each day I will write homework problems on the board. Do them every night! Call or contact me if you are having problems. I consider office hours as your time and I enjoy talking to students. If that were not the case, I would do something else for a living! I usually spend the first few minutes of each class period discussing the previous night's homework, but I sometimes take it up prior to that without warning so be ready!

Prerequisite: This course is calculus based so we require completion of the equivalent of Math 136 or Math 142 with a grade of C or better as a prerequisite.

Text: Applied Statistics for Engineers and Scientists by Levine, Ramsey, and Smidt.

Technology: You are required to have a graphing calculator. We will possibly use a computer algebra system or software package as well. You will need to download and install the free package, PHStat2 which is an add-in for Microsoft Excel from the site: http://wps.prenhall.com/bp_levine_statsexcel_6/. You can also find the data sets for the homework problems in Excel format for each chapter of the text at the site: <http://wps.prenhall.com/levine3/>

Exams: There will be three exams and a comprehensive final. The dates are below:

Exam I: Friday June 14

Exam II: Friday June 21

Exam III: Friday June 28

Final Exam: Wednesday July 3, 10:30 A.M. – 12:10 P.M.

Exams other than the final may be taken early, but almost never late. If you miss a class or exam you are expected to contact me prior to the next class period to see about making up the work.

Grading Procedure Your grade will be determined as follows:

Homework 15%
Exams 60%
Final Exam 25%

STAT 301 Syllabus

Textbook: Applied Statistics for Engineers and Scientists by Levine, Ramsey, and Smidt.
Publisher, Prentice-Hall. Copyright, 2001.

Chapter 3	All Sections
Chapter 4	All Sections
Chapter 5	All Sections
Chapter 6	All Sections
Chapter 7	All Sections (Sections 4-7 are optional)
Chapter 8	All Sections
Chapter 9	Sections 1, 2, 3, 4, 5, and 7 (Sections 6, 8 and 9 are optional)