

# STAT - STATISTICS

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STAT 141 Intro to Statistical Concepts. 3 Credits

Term Typically Offered: Fall, Spring, Summer

Prerequisite(s): M 088 or equivalent.

Introduces the basic ideas of modern statistics including descriptive statistics, probability, and statistical inference.

Lecture Hours 3

Department: Math/Comp Sci/Statistics

STAT 216 Introduction to Statistics. 4 Credits

Term Typically Offered: Fall, Spring, Summer

Prerequisite(s): M 088 or equivalent.

Covers descriptive techniques, probability distributions, and statistical inference of one and two sample tests and associated confidence intervals for means and proportions and linear regression. Introduces statistical analysis using technology.

Lecture Hours 4

Department: Math/Comp Sci/Statistics

STAT 217 Intern Statistical Concepts. 4 Credits

Prerequisite(s): STAT 216 or consent of instructor.

Covers one and two sample tests and associated confidence intervals for means and proportions; one-way analysis of variance; F-tests; multiple comparisons; correlation; contingency tables; and distribution-free methods. Emphasizes statistical analysis using the computer.

Lecture Hours 4

Department: Math/Comp Sci/Statistics

STAT 294 Seminar/Workshop. 1-8 Credits

Department: Math/Comp Sci/Statistics

STAT 341 Intro Probability & Statistics. 4 Credits

Term Typically Offered: Fall

Prerequisite(s): M 273.

Covers discrete and continuous random variables, moment generating functions, statistical inference, and methods of estimation. Topics may vary from year to year.

Lecture Hours 4

Department: Math/Comp Sci/Statistics

STAT 492 Independent Study. 1-3 Credits

Prerequisite(s): consent of instructor and department chairperson.

Provides outstanding students an individual opportunity to explore material not covered by regular statistics courses.

Department: Math/Comp Sci/Statistics

STAT 494 Seminar/Workshop. 1-3 Credits

Provides an opportunity for experimental study in an area of statistics.

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