

Department: Statistics

Course No: STAT 220Q

Title: Statistical Methods

Credits: 3

Contact : Dipak K. Dey

WQ: Q

Catalog Copy : STAT 220Q. Statistical Methods (Calculus Level) Either semester. Three credits each semester. Prerequisite: MATH 114 or 116 or 121. Basic probability distributions, point and interval estimation, tests of hypotheses, correlation and regression, analysis of variance, experimental design, non-parametric procedures.

Course Information :

A. This course offers instruction in statistical methods to students with one year of calculus. The objective is to give the students a mathematical perspective of statistical methods.

B. The students will be assigned weekly reading from the text, homework problems from the text, in-class midterm and an in-class final exam.

C. This course will introduce to students basic notions of probability distributions, and ideas in statistical inference, including point and interval estimation, and tests of hypotheses.

Q Criteria : This is a calculus based course.

Role of Grad Students: Graduate assistants offer tutoring, and grade homework.