

Department: Statistics

Course No: STAT 201Q

Title: Introduction to Statistics II

Credits: 3

Contact : Dipak K. Dey

WQ: Q

Catalog Copy : 201Q. Introduction to Statistics II Either semester. Three credits. Prerequisite: STAT 100 or 110. Open to sophomores or higher. Analysis of variance, multiple regression, chi-square tests, and non-parametric procedures.

Course Information :

A. Introduces to students with minimal of no calculus background the ideas and methods of statistics beyond the initial introduction given in STAT100 or STAT110, including topics such as regression, analysis of variance. That students are given further exposure to using MINITAB for data analysis.

B. The students are assigned weekly homeworks including problem sets from the text book, reading assignments of relevant chapters, and in-class midterm and an in class final exam.

C. Analysis of variance, multiple regression, chi-square tests, and non-parametric procedures.

Q Criteria : Statistical methods form the core content of this course. The material in this course require algebraic manipulations and an understanding of functional transformations, among other mathematical concepts. Extensive statistical computing is required throughout the course.

Role of Grad Students: Graduate assistants offer tutoring, grade the homeworks, and provide help with software use in the Statistics Department Teaching Lab. They will be supervised by the instructor, and the department head.