

## Statistics (STAT)

GE Designates a course that fulfills all or part of a General Education (G.E.) requirement; see the General Education Program section of the catalog for more information.

### 1490 **Introductory Statistics (4 sh)** GE

Introduction to applied statistical analysis. Descriptive, correlation- al, and inferential statistics; concepts of population, sample, sam- pling distribution; elements of probability; parameters of discrete distributions; hypothesis testing: analysis of proportions, means, and variance; linear regression. Computer applications required. Cross-listed with MATH 1490. Prerequisite: MATH 1010 or by math placement.

### 1491 **Multivariate Data Analysis for Business (2 sh)**

This course presumes that a basic statistics course has been taken. The course will attempt to review some fundamental multivariate procedures that are often used in the social science and business environments. The course will begin with a review of options of deal- ing with missing data and outliers. The assumptions of multivariate analysis will be explained. Quantitative procedures such as multiple regression, discriminate analysis, and conjoint analysis will be dis- cussed. The analysis of qualitative data through log-linear models will then be reviewed. A data set will be provided with which these techniques will be applied. Prerequisite: STAT 1490.