Statistics (STAT)

STAT 0PX Preparatory Statistics 1 Unit
Department: Statistics
Course level: Undergraduate
Term course may be offered: Summer
Grading: Offered for pass/not pass grade only.
Hours and format: 5 hours of Lecture and 4.5 hours of Workshop per week for 8 weeks. 5 hours of Lecture and 4.5 hours of Workshop per week for 6 weeks.
Prerequisites: Consent of instructor.
This course assists entering Freshman students with basic statistical concepts and problem solving. Designed for students who do not meet the prerequisites for 2. Offered through the Student Learning Center.
Instructor: Purves

STAT 2 Introduction to Statistics 4 Units
Department: Statistics
Course level: Undergraduate
Terms course may be offered: Fall, spring and summer
Grading: Letter grade.
Hours and format: 3 hours of Lecture and 2 hours of Laboratory per week for 15 weeks. 5 hours of Lecture and 4 hours of Laboratory per week for 8 weeks.
Population and variables. Standard measures of location, spread and association. Normal approximation. Regression. Probability and sampling. Binomial distribution. Interval estimation. Some standard significance tests.
Students who have taken 2X, 5, 20, 21, 21X, or 25 will receive no credit for 2.

STAT 20 Introduction to Probability and Statistics 4 Units
Department: Statistics
Course level: Undergraduate
Terms course may be offered: Fall, spring and summer
Grading: Letter grade.
Hours and format: 3 hours of Lecture and 2 hours of Laboratory per week for 15 weeks. 6 hours of Lecture and 3 hours of Laboratory per week for 8 weeks.
Prerequisites: One semester of calculus.
For students with mathematical background who wish to acquire basic concepts. Relative frequencies, discrete probability, random variables, expectation. Testing hypotheses. Estimation. Illustrations from various fields.
Students who have taken 2, 2X, 5, 21, 21X, or 25 will receive no credit for 20.

STAT 21 Introductory Probability and Statistics for Business 4 Units
Department: Statistics
Course level: Undergraduate
Terms course may be offered: Fall, spring and summer
Grading: Letter grade.
Hours and format: 3 hours of Lecture and 2 hours of Laboratory per week for 15 weeks. 5 hours of Lecture and 4 hours of Laboratory per week for 8 weeks.
Prerequisites: One semester of calculus.
Descriptive statistics, probability models and related concepts, sample surveys, estimates, confidence intervals, tests of significance, controlled experiments vs. observational studies, correlation and regression.
Students who have taken 2, 2X, 5, 20, 21X or 25 will receive no credit for 21. A deficency in N21 may be moved by taking 21.

STAT W21 Introductory Probability and Statistics for Business 4 Units
Department: Statistics