

**Course:**

**MATH 3300 Mathematical Statistics I**

**3 hours**

**Majors, Minors & Degrees:**

**Majors**

Integrative Data Science (B.A., B.S.)

Mathematics (B.A., B.S.)

**Departments/Programs:**

Mathematics and Computer Science

An introduction to basic probability and statistics concepts with an emphasis on applications. Topics include descriptive statistics, probability, Bayes' Theorem, discrete and continuous probability distributions, joint probability distributions, estimation and hypothesis testing.

*Prerequisite(s): Grade of "C" or better in MATH 1610 Calculus II.*

(Normally offered fall of even-numbered years.)