

# MATH-341 : Theoretical Statistics I

Fundamentals of probability and distribution theory. Includes probability theory, counting techniques, conditional probability, random variables, moments, moment generating functions, an introduction to multivariate distributions, and transformations of random variables. Offered alternate years.

**Credits** 3

**Prerequisites**

[MATH-231](#) or permission of instructor

**Term Offered**

Fall Only

**Session Cycle**

F