

# STAT5351 - Probability and Statistics I

[STAT 5351](#) Probability and Statistics I (3 semester hours) A mathematical treatment of probability theory. Random variables, distributions, conditioning, expectations, special distributions and the central limit theorem. The theory is illustrated by numerous examples. This is a basic course in probability and uses calculus extensively. Prerequisite: Multivariable calculus ([MATH 2451](#)). (3-0) T