



Theory of Probability

Course Number	Course	Prerequisite	Credit hours
0301334	Theory of Probability	0300103 0301201	3

Axioms of probability, conditional probability, distributions of random variables; mathematical expectation, moment generating function; some special types of distributions (discrete and continuous); joint distributions; covariance and independence, correlation, conditional distributions; conditional expectation; functions of random variables (distribution function method, moment generating function method, and the Jacobian transformation method); limiting distributions.