Math 573: Applied Probability

Mathematics

Emphasis on understanding the theory of probability and knowing how to apply it. Proofs are given only when they are simple and illuminating. Among topics covered are joint, marginal, and conditional distributions, conditional and unconditional moments, independence, the weak law of large numbers, Tchebycheff's inequality, Central Limit Theorem.

3 Credits

Prerequisites

- Math 261: Unified Calculus & Analytic Geometry I (Minimum grade: C)
- Math 262: Unified Calculus & Analytic Geometry II (Minimum grade: C)
- Math 263: Unified Calculus & Analytic Geometry III (Minimum grade: C)
- Math 264: Unified Calculus & Analytic Geometry IV (Minimum grade: C)

Instruction Type(s)

- Lecture: Lecture for Math 573

Subject Areas

- Statistics, General

Related Areas

- Mathematical Statistics and Probability