

# Math 573: Applied Probability

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**

<u>Statistics, General</u>

#### **Related Areas**

Mathematical Statistics and Probability

The University of Mississippi is accredited by the Southern Association of Colleges and Schools Commission on Colleges to award certificates and baccalaureate, master's, specialist, and doctoral degrees. Contact the Commission on Colleges at 1866 Southern Lane, Decatur, Georgia 30033-4097, call 404-679-4500, or visit online at www.sacscoc.org for questions about the accreditation.

