Probability
MA 371, Section 1, Fall 2013
MWF 11:00 – 11:50 WS 2901

Professor: Dr. Linda Lawton
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Office Hours: 4:05 – 5:20 MW & 11:15 – 12:45 R, or by appointment


Course Description: We will cover all of the topics on the most recent syllabus published for SOA Exam P / CAS Exam 1.

Course Outline:
Counting and Elements of Probability (Chapters 1 - 4)
Discrete Random Variables & Applications (Chapters 5 - 6)
(Distributions: Binomial, Hypergeometric, Poisson, Geometric, Negative Binomial, Uniform)
Continuous Random Variables & Applications (Chapters 7 - 9)
(Distributions: Uniform, Exponential, Gamma, Normal, Lognormal, Pareto, Weibull, Beta)
Multivariate Distributions & Applications (Chapters 10 - 11)
Stochastic Processes (Chapter 12)

Prerequisite: Calculus II or consent of Instructor

Course Requirements: Daily homework assignments (25%), three in-class exams (15% each), and a comprehensive final exam (30%)

Grade scale: 91 – 100% = A, 81 – 89% = B, 71 – 79% = C, 61 – 69% = D, < 60% = F

Disability Services
If you have a need for disability-related accommodations or services, please inform the Coordinator of Disability Services in the Dean of Students Office at 2001 C. B. Hedgcock Building (227-1700). Reasonable and effective accommodations and services will be provided to students if requests are made in a timely manner, with appropriate documentation, in accordance with federal, state, and University guidelines.

This syllabus is subject to change with notice.