Math 151. Probability   **Spring 2020**

Tentative Schedule of Lectures and Examinations

Date		Topic
Date		**Topic**
W	Jan. 22	Introduction: A problem from statistical inference
F	Jan. 24	Sample Spaces
M	Jan. 27	σ-fields
W	Jan. 29	σ-fields (continued)
F	Jan. 31	Probability spaces
M	Feb. 3	Probability spaces (continued)
W	Feb. 5	Independent events and conditional probability
F	Feb. 7	Continuous and discrete random variables
M	Feb. 10	Cumulative distribution function (cdf)
W	Feb. 12	Probability density function (pdf)
F	Feb. 14	Probability mass function (pmf)
M	Feb. 17	Continuous random variable and probability density function (pdf)
W	Feb. 19	Review
F	Feb. 21	**Exam 1**
M	Feb. 24	Expectation of a random variable
W	Feb. 26	Expectation of a function of a random variable
F	Feb. 28	Expectation of a function of a random variable (continued)
M	Mar. 2	Moments, variance and moment generation function
W	Mar 4	Joint distribution functions
F	Mar. 6	Joint distribution functions (continued)
M	Mar. 9	Marginal distributions
W	Mar. 11	Independent random variables
F	Mar. 13	Independent random variables (continued)
M	Mar. 16	*Spring Recess*
W	Mar. 18	*Spring Recess*
F	Mar. 20	*Spring Recess*
M	Mar. 23	Review
W	Mar. 25	**Exam 2**
F	Mar. 27	*Cesar Chavez Recess*

Date		**Topic**
M	Mar. 30	The Poisson distribution
W	Apr. 1	The Poisson distribution (continued)
F	Apr. 3	Limiting distributions
M	Apr. 6	Limiting distributions (continued)
W	Apr. 8	mgf convergence theorem
F	Apr. 10	Convergence in distribution
M	Apr. 13	Convergence in Probability
W	Apr. 15	The Central Limit Theorem
F	Apr. 17	Applications of the Central Limit Theorem
M	Apr. 20	Applications of the Central Limit Theorem (continued)
W	Apr. 22	Random samples
F	Apr. 24	Sampling distributions
M	Apr. 27	Estimation
W	Apr. 29	Review
F	May 1	**Exam 3**
M	May 4	Review
W	May 6	Review
F	May 15	**Final Examination**