

CSE 107
Probability and Statistics for Engineers
Outline of Topics and Reading Schedule

Week	Topics	Sections	Exams
1	Basic Probability Theory	1.1-1.6, 2.1-2.2	
2	Discrete Random Variables	2.3-2.7	
3	Continuous Random Variables	3.1-3.6	
4	Covariance and Correlation	4.1-4.2	Midterm 1: Thursday 10/24
5	Transforms, Convolutions, Limit Theorems	4.3-4.5, 5.1-5.2	
6	Bernoulli Process, Poisson Process	5.3-5.5, 6.1-6.2	
7	Markov Chains	7.1-7.5	
8	Baysian Statistical Inference	8.1-8.2	Midterm 2: Thursday 11/21
9	Least Mean Squares Estimation	8.3-8.4	
10	Classical Statistical Inference	9.1-9.4	