

## 11 Syllabus -- Elementary Probability and Statistics

These chapters are based on the textbook Stats: Data and Models by De Veaux, Velleman, and Bock.

Chapter	Lectures	Topic
4-5	1	Summarizing Data
7	1	Correlation
8-10	2	Linear Regression
14	1	Introduction to Probability
15	1	Conditional Probability
15	1	Independence
15	1	Bayes Rule
16	1.5	Discrete random variables
17	1.5	Binomial, geometric, Poisson distributions
handout	2	Continuous distributions
6	1	Normal distribution
12	0.5	Sample surveys
18	1.5	Sampling distributions, Central Limit Theorem
19	1	Confidence intervals for proportions
20-21	2	Hypothesis testing
23	2	Inferences about means
24	1	Comparing means
25	1	Paired samples
26	1	Chi-square tests
27	2	Regression inference

Recommended calculator: TI-83