# Schedule

A week-by-week breakdown of the material.

## Week 1 (01/05-01/09)

**Day 1** Basic Terminology[1]
**Day 2** Lab 1[2]
**Day 3** Visualizing Variables[3]
**Day 4** Percentiles[4]

## Week 2 (01/12-01/16)

**Day 1** Measures of Center[5]
Measures of Spread[6]

**Day 2** Lab 2[7]

**Day 3** Linear Transformations[8]
Density Curves[9]

**Day 4** The Normal Distribution[10]

## Week 3 (01/19-01/23)

**Day 1** Relationships between two variables[11]
**Day 2** Lab 3[12]
**Day 3** Scatterplots and Correlation[13]
**Day 4** General Theory on Modeling and Data Fitting[14]

[1] notes/basic_terminology.html
[2] labs/1.html
[3] notes/visualizing_distributions.html
[4] notes/percentiles.html
[5] notes/measures_center.html
[6] notes/measures_spread.html
[7] labs/2.html
[8] notes/linear_transformations.html
[9] notes/density_curves.html
[10] notes/normal_distribution.html
[11] notes/relationships.html
[12] labs/3.html
[13] notes/scatterplot_correlation.html
[14] notes/modeling_general.html

## Week 4 (01/26-01/30)

**Day 1** Linear Models and Regression Lines[15]
**Day 2** Lab 4[16]
**Day 3** The question of causation[17]
**Day 4** Introduction to Probability[18]

## Week 5 (02/02-02/06)

**Day 1** Review
**Day 2** **MIDTERM**
**Day 3** Introduction to Probability (cont)[19]
**Day 4** Independent Events[20]

## Week 6 (02/09-02/13)

**Day 1** Probability rules[21]
**Day 2** Catchup
**Day 3** Tree Diagrams[22]
**Day 4** Tree Diagrams (cont)[23]

## Week 7 (02/16-02/20)

**Day 1** Snow day
**Day 2** Probability Practice
**Day 3** Probability Practice
**Day 4** Probability Practice

## Week 8 (02/23-02/27)

BREAK

[15] notes/linear_regression.html
[16] labs/4.html
[17] notes/correlation_causation.html
[18] notes/probability_intro.html
[19] notes/probability_intro.html
[20] notes/independent_events.html
[21] notes/probability_rules.html
[22] notes/decision_trees.html
[23] notes/decision_trees.html

## Week 9 (03/02-03/06)

**Day 1** Random Variables[24]
**Day 2** Lab Practice
**Day 3** Snow Day
**Day 4** The Binomial Setting and Distribution[25]

## Week 10 (03/09-03/13)

**Day 1** Mean and Standard Deviation of Random Variables[26]
**Day 2** Mean and Standard Deviation of Random Variables (cont)[27]
**Day 3** Combining Random Variables[28]
**Day 4** Combining Random Variables (cont)[29]

## Week 11 (03/16-03/20)

**Day 1** Review / Catchup
**Day 2** Lab: Work on Projects[30]
**Day 3** **MIDTERM** (study guide[31])
**Day 4** Mean and Standard Deviation of the Binomial[32]

## Week 12 (03/23-03/27)

**Day 1** Binomial: Approximating by Normal[33]
**Day 2** Work on Projects
**Day 3** Samples and Populations[34]
**Day 4** The Sample Mean / IID Setting[35]

## Week 13 (03/30-04/03)

**Day 1** TBA

[24] notes/random_variables.html
[25] notes/binomial.html
[26] notes/rv_mean.html
[27] notes/rv_mean.html
[28] notes/rv_combine.html
[29] notes/rv_combine.html
[30] labs/projectAnalysisSteps.html
[31] notes/midterm2_study_guide.html
[32] notes/binomial_mean.html
[33] notes/binomial_mean.html
[34] notes/iid_setting.html
[35] notes/iid_setting.html

**Day 2** TBA
**Day 3** TBA
**Day 4** TBA

## Week 14 (04/06-04/10)

**Day 1** TBA
**Day 2** TBA
**Day 3** TBA
**Day 4** TBA