

AP STAT SYLLABUS

Moore, David, Starnes, Daren, and Yates, Daniel. **The Practice of Statistics**. New York: Freeman, 2003.

September:

Producing Data

5 – 5.1 Designing Samples
7 – 5.2 Designing Experiments & 5.3
Simulating Experiments
10 – review/ quiz
12 – Test Chapter 5

Organizing Data: Looking for Patterns and Departures from Patterns

14/17 – 1.1 Displaying Distributions with
Graphs
19 – 1.1 finish, start 1.2 Displaying
Distributions with Numbers
21 – finish 1.2
24 – review chapter 1/quiz
26 – Test Chapter 1
28 – 2.1 Density Curves and Normal
Distributions

October:

1 – 2.1 Density Curves and Normal
Distributions
3 – 2.2 Standard Normal Calculations,
review chapter 2
5 – Test Chapter 2
10 – 3.1 Scatterplots & 3.2 Correlation
12 – 3.3 LSRL
15 – 3.3
17 – review chapter 3/quiz
19 – Test Chapter 3
22 – 4.1 Transforming Relationships
24 – 4.1
26 – 4.2 Cautions about Correlation and
Regression
29 – 4.2 Cautions about Correlation and
Regression
31 – 4.3 Relations in Categorical Data

November:

2 – review chapter 4
5 – review chapter 4 / quiz

8 – Test Chapter 4

Probability: Foundations of Inference

12 – 6.1 The Idea of Probability
14 – 6.1 The Idea of Probability
16 – 6.2 Probability Models
19 – 6.2
26 – 6.3 General Probability Rules
28 – 6.3/review chapter 6
30 – Test Chapter 6

December:

3 – 7.1 Discrete and Continuous Random
Variables
5 – finish 7.1 Discrete and Continuous
Random Variables
7 – 7.2 Means and Variances of Random
Variables
10 – review for exam
11-14 – Exams
17 – finish 7.2 Means and Variance of
Random Variables
19 – Test Chapter 7

January:

4 – 8.1 Binomial Distributions
7 – 8.1
9 – 8.2 Geometric Distributions
11 – 8.2
14 – review chapter 8
16 – Test Chapter 8
18 – 9.1 Sampling Distributions
23 – 9.2 Sample Proportions
25 – 9.3 Sample Means (pennie project)
29 – review chapter 9
31 – Test Chapter 9

February:

Inference: Conclusions with Confidence

1 – 10.1 Estimating with Confidence
4 – 10.2 Tests of Significance
6 – finish 10.2 Tests of Significance

8 – 10.3 Making Sense of Statistical Significance
11 – finish 10.3 Making Sense of Statistical Significance
13 – 10.4 Inference as Decision
15 – review chapter 10
20 – Test Chapter 10
22 – 11.1 Inference for the Mean of a Population
25 – 11.1
27 – 11.2 Comparing Two Means

March:

1 – quiz/review chapter 11
4 – review chapter 11
6 – Test Chapter 11
8 – 12.1 Inference for a Population Proportion
11 – 12.2 Comparing Two Proportions
13 – 12.2
15 – review chapter 12
18 – review chapter 12
20 – Test Chapter 12
22 – 13.1 Test for Goodness of Fit
25 – 13.2 Inference for Two-Way Tables
26 – 13.2
29 – review Chapter 13

April:

1-5 – Spring Break
8– review Chapter 13
10– Test Chapter 13
12– 14.1 Inference About the Model
15 – 14.1
17– 14.2 Predictions and Conditions
19 – review chapter 14
24 – Test Chapter 14
26 – review AP Exam
29 – review AP Exam

May:

1 – review AP Exam
3 – review AP Exam
6 – review AP Exam
8– review AP Exam
10 – review AP Exam
13– review AP Exam
15 – review AP Exam
16- AP Exam
17- Fun Day!
Post Exam Topics
20 – Weighted Voting Systems
22 – Weighted Voting Systems
24 – projects due with presentations
29 – review for exam

June:

3-14 – review for exam/Exam