

Mr. Heinen - AP Statistics Course Syllabus - SY 2025-26								UNIT 1	AP Unit	Section	Detailed Topics for UPDATED The Practice of Statistics 6e				
Student Days 147	Date	DOW	AP Unit	Section	Topic	Assignments	Remarks								
1	8/11/2025	Mon	1			Teacher handouts				1	Chapter 1 - Data Analysis				
2	8/12/2025	Tue				Prep Notebook / Binder						Introduction Statistics: The Science and Art of Data			
3	8/13/2025	Wed											Organizing Data		
4	8/14/2025	Thu	1	1Introduction	All section odd problems	From Data Analysis to Inference									
5	8/18/2025	Mon		1.1	Analyzing Categorical Data					1.1	Analyzing Categorical Data				
6	8/19/2025	Tue				All section odd problems						Displaying Categorical Data: Bar Graphs and Pie Charts			
												Graphs: Good and Bad			
	8/20/2025	Wed					NWEA BOY (estimated date)					Analyzing Data on Two Categorical Variables			
	8/21/2025	Thu		1.2	Displaying Quantitative Data with Graphs	All section odd problems							Displaying Quantitative Data with Graphs		
7	8/25/2025	Mon		1.3	Describing Quantitative Data with Numbers	All section odd problems							1.2	Dotplots	
8	8/26/2025	Tue				All section odd problems					Describing Shape				
9	8/27/2025	Wed				Quiz					Describing Distributions				
10	8/28/2025	Thu				All section odd problems					Comparing Distributions				
	9/1/2025	Mon					Labor Day						Stemplots		
11	9/2/2025	Tue		1	Chapter 1 Review	All section odd problems								1.3	Histograms
12	9/3/2025	Wed				Chapter 1 Test									
13	9/4/2025	Thu										Describing Quantitative Data with Numbers			
14	9/8/2025	Mon		2	Chapter 2 Modeling Distributions of Quantitative Data	All section odd problems							Measuring Center: The Mean		
15	9/9/2025	Tue		2.1	Describing Location in a Distribution									Measuring Center: The Median	
16	9/10/2025	Wed				All section odd problems								Comparing the Mean and the Median	
17	9/11/2025	Thu												Measuring Variability: The Range	
18	9/15/2025	Mon		2.2	Density Curves and Normal Distributions	All section odd problems							Measuring Variability: The Standard Deviation		
19	9/16/2025	Tue												Measuring Variability: The Interquartile Range (IQR)	
20	9/17/2025	Wed				All section odd problems								Numerical Summaries with Technology	
21	9/18/2025	Thu				All section odd problems								Identifying Outliers	
22	9/22/2025	Mon		2	Chapter 2 Review	Quiz								Making and Interpreting Boxplots	
23	9/23/2025	Tue			Chapter 2 AP® Statistics Practice Test	All section odd problems									Comparing Distributions with Boxplots
24	9/24/2025	Wed		3	Chapter 3 Exploring Two-Variable Quantitative Data - Introduction										Chapter 1 Wrap-Up
25	9/25/2025	Thu		3.1	Scatterplots and Correlation	All section odd problems		Free Response AP® Problem, Yay!							
26	9/29/2025	Mon		3.2	Least-Squares Regression								Chapter 1 Review		
27	9/30/2025	Tue				All section odd problems									
28	10/1/2025	Wed				Quiz									

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29	10/2/2025	Thu		3.3	Transforming to Achieve Linearity	All section odd problems			2	Chapter 2 Modeling Distributions of Quantitative Data
30	10/6/2025	Mon							2.1	Describing Location in a Distribution
31	10/7/2025	Tue								Measuring Location: Percentiles
32	10/8/2025	Wed								Cumulative Relative Frequency Graphs
33	10/9/2025	Thu		3	Chapter 3 Review					Measuring Location: Standardized Scores
					Chapter 3 AP® Statistics Practice Test		End 1st Qtr.			
34	10/13/2025	Mon		4	Chapter 4 Collecting Data - Introduction				2.2	Transforming Data
35	10/14/2025	Tue		4.1	Sampling and Surveys					Density Curves and Normal Distributions
36	10/15/2025	Wed								Density Curves
37	10/16/2025	Thu				Quiz	Parent - Teacher			Describing Density Curves
	10/17/2025	Fri								Normal Distributions
38	10/20/2025	Mon		4.2	Experiments	All section odd problems				The Empirical Rule
39	10/21/2025	Tue								Finding Areas in a Normal Distribution
40	10/22/2025	Wed		4.3	Using Studies Wisely	All section odd problems				Working Backward: Finding Values from Areas
41	10/23/2025	Thu				All section odd problems				Assessing Normality
42	10/27/2025	Mon				Quiz				Chapter 2 Wrap-Up
43	10/28/2025	Tue				All section odd problems			2	Free Response AP® Problem, Yay!
44	10/29/2025	Wed								Chapter 2 Review
45	10/30/2025	Thu		4	Chapter 4 Review					Chapter 2 AP® Statistics Practice Test
					Chapter 4 AP® Statistics Practice Test					
46	11/3/2025	Mon		5	Chapter 5 Probability: What Are the Chances?	All section odd problems				
47	11/4/2025	Tue		5.1	Randomness, Probability, and Simulation				3	Chapter 3 Exploring Two-Variable Quantitative Data - Introduction
48	11/5/2025	Wed							3.1	Scatterplots and Correlation
49	11/6/2025	Thu								Explanatory and Response Variables
50	11/10/2025	Mon		5.2	Probability Rules	All section odd problems				Displaying Relationships: Scatterplots
51	11/11/2025	Tue								Describing a Scatterplot
52	11/12/2025	Wed				All section odd problems				Measuring Linear Association: Correlation
53	11/13/2025	Thu		5.3	Conditional Probability and Independence					Cautions about Correlation
54	11/17/2025	Mon				All section odd problems				Calculating Correlation
55	11/18/2025	Tue				Quiz				Additional Facts about Correlation
56	11/19/2025	Wed				All section odd problems			3.2	Least-Squares Regression
57	11/20/2025	Thu		5	Chapter 5 Review					Prediction
					Chapter 5 AP® Statistics Practice Test					
	11/24/2025	Mon								Residuals

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	11/25/2025 11/26/2025 11/27/2025	Tue Wed Thu					Thanksgiving Week	Unit 2	3.3	Interpreting a Regression Line The Least-Squares Regression Line Determining if a Linear Model Is Appropriate: Residual Plots How Well the Line Fits the Data: The Role of s and r2 in Regression Interpreting Computer Regression Output Regression to the Mean Correlation and Regression Wisdom Transforming to Achieve Linearity Transforming with Powers and Roots Transforming with Logarithms: Power Models Transforming with Logarithms: Exponential Models Putting It All Together: Which Transformation Should We Choose? Chapter 3 Wrap-Up Free Response AP® Problem, Yay! Chapter 3 Review Chapter 3 AP® Statistics Practice Test
68	12/1/2025	Mon		6	Chapter 6 Random Variables and Probability Distributions - Introduction	All section odd problems				
69	12/2/2025	Tue		6.1	Discrete and Continuous Random Variables					
70	12/3/2025	Wed								
71	12/4/2025	Thu		6.2	Transforming and Combining Random Variables	Quiz				
72	12/8/2025	Mon		6.3	Binomial and Geometric Random Variables	All section odd problems				
73	12/9/2025	Tue				All section odd problems				
74	12/10/2025	Wed								
75	12/11/2025	Thu		6	Chapter 6 Review	All section odd problems				
76	12/15/2025	Mon		6	Frappy! Free Response AP® Problem, Yay!					
	12/16/2025	Tue			Chapter 6 Test	All section odd problems	NWEA MOY (estimated date)			
	12/17/2025	Wed								
77	12/18/2025	Thu					End 2nd Qtr.			
	12/22/2025 1/4/2026	Mon Sun					Christmas Break			
78	1/5/2026	Mon		7	Chapter 7 Sampling Distributions - Introduction	All section odd problems				
79	1/6/2026	Tue		7.1	What Is a Sampling Distribution?					
80	1/7/2026	Wed								
81	1/8/2026	Thu		7.2	Sample Proportions					
82	1/12/2026	Mon		7.3	Sample Means	All section odd problems				
83	1/13/2026	Tue				All section odd problems				
84	1/14/2026	Wed				Quiz				
85	1/15/2026	Thu				All section odd problems				
	1/19/2026	Mon					ML King Holiday			
86	1/20/2026	Tue		7	Section 7.3 Summary	All section odd problems				
87	1/21/2026	Wed		7	Chapter 7 Review					
88	1/22/2026	Thu			Cumulative AP® Practice Test 2					
89	1/26/2026	Mon		8	Chapter 8 Estimating Proportions with Confidence					

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90	1/27/2026	Tue		8.1	Confidence Intervals: The Basics	All section odd problems				
91	1/28/2026	Wed								
92	1/29/2026	Thu		8.2	Estimating a Population Proportion	All section odd problems				
93	2/2/2026	Mon								
94	2/3/2026	Tue		8.3	Estimating a Difference in Proportions	All section odd problems				
95	2/4/2026	Wed								
96	2/5/2026	Thu		8	Chapter 8 Review					
97	2/9/2026	Mon		8	Free Response AP® Problem, Yay!	No Ch 8 Test				
98	2/10/2026	Tue		9	Chapter 9 Testing Claims About Proportions	All section odd problems				
99	2/11/2026	Wed		9.1	Significance Tests: The Basics	All section odd problems				
100	2/12/2026	Thu				Quiz				
	2/16/2026	Mon					Presidents Day			
101	2/17/2026	Tue		9.2	Tests About a Population Proportion	All section odd problems				
102	2/18/2026	Wed								
103	2/19/2026	Thu		9.3	Tests About a Difference in Proportions	All section odd problems				
104	2/23/2026	Mon								
105	2/24/2026	Tue		9	Free Response AP® Problem, Yay!	All section odd problems				
106	2/25/2026	Wed								
107	2/26/2026	Thu		9	Chapter 9 Review Chapter 9 AP® Statistics Practice Test					
108	3/2/2026	Mon		10	Chapter 10 Estimating Means with Confidence					
109	3/3/2026	Tue		10.1	Estimating a Population Mean	All section odd problems				
110	3/4/2026	Wed								
111	3/5/2026	Thu		10.2	Estimating a Difference in Means	All section odd problems	End 3rd Qtr.			
112	3/9/2026	Mon				All section odd problems				
113	3/10/2026	Tue			Free Response AP® Problem, Yay!					
114	3/11/2026	Wed								
115	3/12/2026	Thu		10	Chapter 10 Review Chapter 10 AP® Statistics Practice Test		Parent - Teacher			
	3/13/2026	Fri								
	3/16/2026	Mon								
	3/17/2026	Tue								

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	3/18/2026	Wed					Spring Break			The Multiplication Rule for Independent Events
	3/19/2026	Thu								Chapter 5 Wrap-Up
	3/20/2026	Fri								Free Response AP® Problem, Yay!
116	3/23/2026	Mon		11	Chapter 11 Testing Claims About Means - Introduction	no assignments			5	Chapter 5 Review
117	3/24/2026	Tue		11.1	Tests About a Population Mean	All section odd problems				Chapter 5 AP® Statistics Practice Test
118	3/25/2026	Wed								
119	3/26/2026	Thu		11.2	Tests About a Difference in Means	All section odd problems			6	Chapter 6 Random Variables and Probability Distributions - Introduction
120	3/30/2026	Mon				All section odd problems			6.1	Discrete and Continuous Random Variables
121	3/31/2026	Tue		11	Free Response AP® Problem, Yay!	All section odd problems			6.2	Transforming and Combining Random Variables
122	4/1/2026	Wed							6.3	Binomial and Geometric Random Variables
123	4/2/2026	Thu		11	Chapter 11 Review Cumulative AP® Practice Test 3				6	Frappy! Free Response AP® Problem, Yay!
124	4/6/2026	Mon		12	Chapter 12 Inference for Distributions and Relationships - Introduction				6	Chapter 6 Review
125	4/7/2026	Tue		12.1	Chi-Square Tests for Goodness of Fit	All section odd problems				
126	4/8/2026	Wed				Quiz				
127	4/9/2026	Thu		12.2	Inference for Two-Way Tables	All section odd problems			7	Chapter 7 Sampling Distributions - Introduction
128	4/13/2026	Mon							7.1	What Is a Sampling Distribution?
129	4/14/2026	Tue		12.3	Inference for Slope	All section odd problems				Parameters and Statistics
130	4/15/2026	Wed								The Idea of a Sampling Distribution
131	4/16/2026	Thu		12	Free Response AP® Problem, Yay!	All section odd problems				Describing Sampling Distributions
132	4/20/2026	Mon		12	Chapter 12 Review Cumulative AP® Practice Test 4				7.2	Section 7.1 Summary
133	4/21/2026	Tue								Sample Proportions
134	4/22/2026	Wed			Float and Review	All section odd problems				The Sampling Distribution of p
135	4/23/2026	Thu								Using the Normal Approximation for p
136	4/27/2026	Mon				All section odd problems				The Sampling Distribution of a Difference Between Two Proportions
137	4/28/2026	Tue			Float and Review				7.3	Section 7.2 Summary
138	4/29/2026	Wed				Reiew Problems				Sample Means
139	4/30/2026	Thu								The Sampling Distribution of xbar
140	5/4/2026	Mon			Review	All section odd problems				Sampling from a Normal Population
141	5/5/2026	Tue								The Central Limit Theorem
	5/6/2026	Wed					NWEA EOY (estimated date)			The Sampling Distribution of a Difference Between Two Means

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Student Days 147	Date	DOW	AP Unit	Section	Topic	Assignments	Remarks
	5/7/2026	Thu		AP Statistics Exam - May 7th, 12:00 noon local time			(estimated date)
142	5/11/2026	Mon					
143	5/12/2026	Tue					
	5/13/2026	Wed					Other Testing
	5/14/2026	Thu					
144	5/18/2026	Mon					Final Exams
145	5/19/2026	Tue					
146	5/20/2026	Wed					
147	5/21/2026	Thu			Check out	Go on summer break!	End 4th Qtr.

AP Unit	Section	Detailed Topics for UPDATED The Practice of Statistics 6e
UNIT 6	7	Section 7.3 Summary
	7	Chapter 7 Review
		Cumulative AP® Practice Test 2
	8	Chapter 8 Estimating Proportions with Confidence
	8.1	Confidence Intervals: The Basic The Idea of a Confidence Interval Interpreting Confidence Level What Affects the Margin of Error?
		Section 8.1 Summary
	8.2	Estimating a Population Proportion Constructing a Confidence Interval for p Putting It All Together: The Four-Step Process Choosing the Sample Size Section 8.2 Summary
	8.3	Estimating a Difference in Proportions Confidence Intervals Putting It All Together: Two-Sample z Interval Section 8.3 Summary
	8	Free Response AP® Problem, Yay!
	8	Chapter 8 Review
	9	Chapter 9 Testing Claims About Proportions
	9.1	Significance Tests: The Basics Stating Hypotheses Interpreting P-values Making Conclusions Type I and Type II Errors Section 9.1 Summary
	9.2	Tests About a Population Proportion Performing a Significance Test About p Putting It All Together: One-Sample z Test for p Two-Sided Tests The Power of a Test Section 9.2 Summary
	9.3	Tests About a Difference in Proportions

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AP Unit	Section	Detailed Topics for UPDATED The Practice of Statistics 6e
		Significance Tests for p_1-p_2 Putting It All Together: Two-Sample z Test for p_1-p_2 Section 9.3 Summary
	9	Free Response AP® Problem, Yay!
Unit 7	9	Chapter 9 Review Chapter 9 AP® Statistics Practice Test
	10	Chapter 10 Estimating Means with Confidence
	10.1	Estimating a Population Mean The Problem of Unknown σ Conditions for Estimating μ Constructing a Confidence Interval for μ More About the Margin of Error Section 10.1 Summary
	10.2	Estimating a Difference in Means Confidence Intervals for $\mu_1-\mu_2$ Putting It All Together: Two-Sample t Interval for $\mu_1-\mu_2$ Comparing Two Means: Paired Data Confidence Intervals for μ_{diff} Section 10.2 Summary
		Chapter 10 Wrap-Up
	10	Free Response AP® Problem, Yay! Chapter 10 Review Chapter 10 AP® Statistics Practice Test
	11	Chapter 11 Testing Claims About Means - Introduction
	11.1	Tests About a Population Mean Carrying Out a Significance Test for μ Putting It All Together: One-Sample t Test for μ Two-Sided Tests and Confidence Intervals Using Tests Wisely Section 11.1 Summary
	11.2	Tests About a Difference in Means Significance Tests for $\mu_1-\mu_2$

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AP Unit	Section	Detailed Topics for UPDATED The Practice of Statistics 6e
UNIT 8		Estimating the Parameters
		Constructing a Confidence Interval for the Slope
		Performing a Significance Test for the Slope
		Section 12.3 Summary
	12	Free Response AP® Problem, Yay!
	12	Chapter 12 Review
		Cumulative AP® Practice Test 4