

MODESTO CITY SCHOOLS COURSE OUTLINE

Course Title	AP Statistics OLL S1 AP Statistics OLL S2
Course Number	OLL30281 OLL30282
Recommended Grade	<input type="checkbox"/> 7 <input type="checkbox"/> 8 <input checked="" type="checkbox"/> 9 <input checked="" type="checkbox"/> 10 <input checked="" type="checkbox"/> 11 <input checked="" type="checkbox"/> 12
Duration	<input type="checkbox"/> Quarter <input checked="" type="checkbox"/> Semester
Credit	<input type="checkbox"/> 2.5 <input checked="" type="checkbox"/> 5 <input type="checkbox"/> 10
Repeatable for Credit	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Required for Graduation	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Meets Graduation Requirement	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
CALPADS Course Number	9266
CALPADS Course Name	Advanced Placement (AP) Statistics
Meets UC/CSU Requirements	<input type="checkbox"/> Yes <input type="checkbox"/> No If yes, which area? <input type="checkbox"/> A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/> E <input type="checkbox"/> F <input type="checkbox"/> G
CTE Course	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
CTE Course Level	<input type="checkbox"/> Introduction <input type="checkbox"/> Concentrator <input type="checkbox"/> Capstone N/A
Part of a Course Pathway	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, which pathway?
Credential Requirements	
Replaces	N/A
Recommended Prerequisites	N/A
Aligned to Standards Date	
Content Delivery Method	<input type="checkbox"/> Instructor Led <input checked="" type="checkbox"/> Online Provider Modesto Virtual Academy
Other Information	
Board Approval Date	
Implementation Date	Fall 2020

Course Description:

Required Text(s): (Title, Publisher, Year):

Supplementary Materials(s):



Course Name: AP Statistics v20

Course Credit: 1.0

Course Estimated Completion Time: 2 segments/32-36 weeks

Course Description: Advanced Placement Statistics will introduce students to exploring data, sampling and experimentation by planning and conducting studies, anticipating patterns using probability and simulation, and employing statistical inference in order to analyze data and draw conclusions.
<https://apcentral.collegeboard.org/pdf/ap-statistics-course-and-exam-description.pdf?course=ap-statistics>

Prerequisites: Algebra 2

Honors Lessons: No

Course Profile (Includes Honors, if applicable)

Type of Assessment	Quantity	Location(s)
Teacher-graded	23	5 Projects: 01.05, 04.01, 05.05, 07.04, 08.05 8 DBAs: 01.07, 02.06, 03.06, 04.07, 05.06, 06.06, 07.06, 08.06 6 Module Tests Part 2: 01.08, 02.07, 03.07, 05.07, 06.07, 07.07 2 Segment Exams Part 2: 04.08, 08.07 2 Collaboration Reflections
Auto-graded	30	30 Lesson-level assessments
Partial Auto-graded	8	8 Mid-Module Checks: 01.04, 02.03, 03.03, 04.03, 05.03, 06.03, 07.03, 08.03
Discussion-Based (DBA)	8	8 DBAs: 01.07, 02.06, 03.06, 04.07, 05.06, 06.06, 07.06, 08.06
Collaboration	4	4 Collaboration Opportunities: 01.05, 04.01, 05.05, 07.04
Project-based	5	5 Projects: 01.05, 04.01, 05.05, 07.04, 08.05
Total Assessments	61	

Types of Assessments (Includes Honors, if applicable)

Type of Assessment	Available	Type of Assessment	Available
Multiple Choice	Yes	Essay	Yes
Worksheets		Collaborative	Yes
Web 2.0		Short Response	Yes
Project - Based	Yes	Labs	No
Self - Check	Yes	DBAs	Yes

Scope and Sequence

SEGMENT 1

- Module 1: Exploring Data
 - Classifying Variables
 - Describing Data
 - Displaying Data
 - Measuring Position
 - Normal Distribution
- Module 2: Exploring Relationships
 - Scatterplots and Correlation
 - Least-Squares Regression
 - Transformations
- Module 3: Collecting Data
 - Sampling and Surveys
 - Experiments
 - Correlation Versus Causation
- Module 4: Probability and Random Variables
 - Randomness and Simulations
 - Probability
 - Random Variables
 - Binomial Random Variables
 - Geometric Random Variables

SEGMENT 2

- Module 5: Sampling Distributions and Confidence Intervals
 - Sampling Distributions and Proportions
 - Sample Means
 - Confidence Intervals for Proportions
 - Confidence Intervals for Means
- Module 6: Proportions
 - Hypothesis Testing—One Proportion
 - Errors, Power, and Significance
 - Confidence Intervals—Two Proportions
 - Hypothesis Testing—Two Proportions
- Module 7: Means and Slope
 - Hypothesis Testing—One-Sample Mean
 - Comparing Two Means
 - Matched Pairs
 - Linear Regression and Interval for Slope
- Module 8: Chi-Square
 - Chi-Square Goodness-of-Fit Test
 - Chi-Square Tests of Inference
 - Exploring and Collecting Data Review
 - Probability, Sampling, and Inference Review