Course Title: Statistics (covered over the course of two semesters)
School: Alta Vista High School
UC/CSU requirement:CP or Non CP course offered. CP fulfills UC/CSU C requirements.
Textbook and/or other learning resources: ALEKS Math by McGraw Hill

Course Description/Student Learning Outcomes:

This is an introductory level class in statistics. The primary aim of this course is to make you a more informed consumer of information as you move forward in life. You will explore data collection, the description and modeling of data distributions, and how to describe relationships within and between data. You will learn about the design and implementation of statistical sampling, surveying and experiments. You will also explore probability and probability models.

Course Outline/Units of Study:

Units of study will include:
- Algebra and Algebra Review
- Slope and Lines
- Descriptive Statistics
- Correlation and Simple Linear Regression
- Probability
- Random Variables and Distributions
- Confidence Intervals and Hypothesis Testing
- Chi-square Tests, Inferences for Regression, ANOVA

Assessment and Grading (BP 5121 / AR 5121**):** To ensure that every student has an equal opportunity to demonstrate their learning, the course instructors implement aligned grading practices and common assessments with the same frequency.

1. Grading categories and their percentage weights:
   Math Credit:
   100% Standards Attainment and Knowledge Check Assessments
   Elective Credit:
   50% Active Program Engagement / 50% Note Taking

2. Achievement evidence collected within each grading category:
   Students demonstrate mastery on multiple topics within the aforementioned domains earning passing scores of **75% or better to obtain CP Credit**. If the student can not maintain a 75% or better they will earn non CP credit.

3. Grading scales:

A+	100-105	C	72.5-77.49
A	92.5-99.99	C-	70-72.49
A-	90-92.49	D+	67.5-69.99
B+	87.5-89.99	D	62.5-67.49
B	82.5-87.49	D-	60-62.49
B-	80-82.49	F	0-59.99
C+	77.5-79.99		

4. Homework/outside of class practices (AR 6154):
   6th period is available twice a week for help on in class assignments.

5. Excused absence make up practices (Education Code 48205(b)):

6. Academic integrity violation practices ([LAHS Academic Integrity Policy](#) / [MVHS Academic Integrity Policy](#)):

7. Late work practices:
   > There is no late work policy. We like to keep our program as flexible as possible, allowing students to work at their own pace. However, point accumulation and components of your grade are based on class progress. Should a student exhibit little to no movement in this class after repeated interventions, a class change may be in order.

8. Revision practices:
   > Students are given multiple opportunities per topic to demonstrate mastery with an 75% or better before an intervention loop with remediation is initiated for reteaching.

9. Extra credit practices:
   > If any extra credit is offered, each student will be given the opportunity to complete it..

10. Additional grading practices:
    > Students and parents can expect points to be updated at least once every two weeks.

Instructors' email addresses:

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Additional information:

[ALEKS MATH LOGIN](#)