AP Statistics Course Outline

This course will use The Practice of Statistics Fifth and Fourth Editions as resource texts. The fifth edition is in pdf form and the fourth edition is a physical textbook. The chapter references are for the fifth edition. There will be a project each term- the Term 3 project will be a major summative project.

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|  | Topic and chapter | Approximate number of classes | Percent of course |
| Term 1 | Exploring One-Variable Data- Chapters 1 & 2 | 9 classes | 12% |
|  | Exploring Two-Variable Data- Chapter 3 & 12.2 | 6 classes | 8% |
|  | Collecting Data- Chapter 4 | 5 classes | 7% |
|  | Probability, Random Variables,  Probability Distributions- Chapters 5 & 6 | 10 classes | 15% |
| Term 2 | Sampling Distributions- Chapter 7 | 6 classes | 8% |
|  | Inference for Categorical Data: Proportions- Chapters 8 & 9 | 9 classes | 12% |
|  | Inference for Quantitative Data: Means- Chapters 9 & 10 | 8 classes | 11% |
|  | Inference for Categorical Data: Chi Square- Chapter 11 | 5 classes | 7% |
|  | Inference for Quantitative Data: Slopes- Chapter 12 | 4 classes | 5% |
|  | AP Exam preparation | 4 classes |  |
|  | Major project after the AP Exam | 10 classes | 15% |

Grading: The CHSS Mathematics Department uses a cumulative grading system. This means that each unit is worth a specific percentage of the entire course. Term 1 and 2 will show the student’s progress to that point from September. The Term 3 and final mark will show the student’s level of mastery throughout the entire course. The final mark **is not** the average of the three term marks.

A graphing calculator is required for this course and the AP exam. The AP exam fee is now due by the end of October.

## Student Expectations:

* Students are expected to attend every class on time, actively participate in class and do their best to be successful. Missed classes must be verified with a note from a parent or guardian.
* Students must bring a notebook, textbook, calculator, graph paper and pencil to every class.

### Work Habits: Work Habit marks are independent of achievement marks.

* A “G” student: consistently does their assigned work, has good attendance, is attentive in class, is respectful, and tries their best to be successful.
* An “S” student: completes their work most of the time, attends regularly, is attentive most of the time in class, is sometimes off-task, and could try harder to be successful.
* An “N” student: consistently does not do their work, does not attend regularly, is inattentive in class, acts inappropriately, and does not try to be successful.