**AP Statistics Syllabus**

**Contact Information**

Mr. Martineau

martinm2@gcsnc.com \*Please contact me using email. It is far easier for me to respond to you quickly

 during the school day…especially if the class is taking a quiz or test.

**Course Overview & Objective**

* 1. To introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data.
	2. To prepare students to successfully complete the course and examination and receive credit and/or advanced placement for a one-semester introductory college statistics course.

**Course Pacing Guide**

Each of the following topics will take approximately two weeks. Tests should be expected on Tuesdays at the end of the unit.

* Major topics:
	+ Exploring Data: Observing patterns and departures from patterns
		- Interpreting graphical displays of distributions of univariate data
		- Summarizing and comparing distributions of univariate data
		- Exploring bivariate data
		- Exploring categorical data: frequency tables
	+ Planning a Study: Deciding what and how to measure
		- Overview of methods of data collection
		- Planning and conducting surveys
		- Planning and conducting experiments
	+ Anticipating Patterns: Producing models using probability and simulation
		- Probability as relative frequency
		- Combining independent random variables
		- The normal distribution
		- Simulating sampling distributions
	+ Statistical Inference: Confirming models
		- Confidence intervals
		- Tests of significance
		- Special case of normally distributed data
	+ Other selected topics

**Grade Distribution** Students will receive an overall grade in AP Statistics based on the following scale:

Tests/Projects....................70%  **New Grading Scale**

Quizzes.............................20% A 🡪 90-100

Homework…………........10% B 🡪 80-89

Total...............................100% C 🡪 70-79

 D 🡪 60-69

 F 🡪 < 60

**Tutorial Schedule**

Wednesday morning 🡪 (8:35 - 9:10am) 🡪 1st quarter

Monday afternoon 🡪 (4 - 4:45pm) 🡪 2nd, 3rd & 4th quarters

**Important Dates**

Students will have a number of important dates to keep track of throughout the school year. Some of the most important dates are listed below.

***AP Statistics Test Day*** - Thursday (and occasionally Friday if necessary)

* **AP Statistics Mock Exam** 🡪 Saturday, April 20th 8:30am-noon

 This mock exam is a great indicator for the student of their level of preparedness on their upcoming

 exam. I am asking for a Saturday morning from each student so that they can experience a full length

 Statistics exam to better understand the level of expectations needed on the final.

* **AP Statistics Final Exam** 🡪 Thursday, May 16th @ noon
* **AP Statistics Late Exam** 🡪 Wednesday, May 22nd @ 8am

**AP Statistics Supplies**

Students may use any method they consider appropriate for taking notes, handling worksheets, and staying organized throughout the year. However, it is recommended that students maintain a separate individual 3-ring binder for handouts and worksheets, as well as having loose leaf notebook paper each day for class. Each student will need pens (black/blue) and pencils for completing assignments. Each student will need a TI-83 or TI-84 graphing calculators every day.

**Homework Policy**

Students will be expected to complete homework each and every night that it is assigned. Homework will help students practice skills learned in class. A student can expect their homework to take an average of 30 minutes to 1 hour, per class, to complete. Some classes have the regular homework of studying the material discussed in class and the time required for such homework will depend on the student.  Generally, AP and IB students should expect more: more learning, more work, more writing, more challenges, and more from themselves.

Homework problems must show all work…**NO WORK = NO CREDIT!**

It is not possible to work an example of every possible situation for a particular skill; therefore students should be able to apply concepts learned through homework to multiple situations and demonstrate mastery of the skills on given assessments.

Homework will be collected differently in Statistics than in most other classes. Sometimes HW will be checked for everyone and other time students will be chosen at random to have their homework checked. All HW will be graded based on effort and completion.

It is imperative that students stay on top of the homework assignments. No late work will be accepted for randomly chosen HW.

**Late Homework Policy**

 First day late = 15 points off

 Second day late = 10 points off

Third day and subsequent days late = 10 points off

The above late penalty will cause a grade to go down to zero after 10 days.

**Make-Up Work Policy**

The make-up policy differs depending upon the type of HW collection. If the entire class had their HW checked, then the student has 3 days to get their make-up work turned in. If the assignment was a randomly selected assignment then the assignment will not be graded…it ruins the concept of randomness. The student will still be responsible for the concepts covered in the HW and should still complete their HW.

**Expectations**

AP and IB classes are college level classes in a high school setting; they should not be mistaken for high school level classes.  Students choosing to take AP/IB classes are looking for a challenge that they are not necessarily getting from Honors level courses.  The expectations are higher and the work load is greater.  Additionally, students are expected to complete all components of assessment for AP and IB evaluation, including IB Internal and External Assessments, IB exams, and AP exams.  Students who do not meet this requirement will have to pay a portion of the examination fee: $15 for AP exams and $45 for IB exams.  Please note that oversleeping, forgetting about an exam, getting in traffic delays, and feeling ill without a doctor’s note are not accepted reasons for missing an exam or taking a late exam.

**Academic Honesty**

Instances of academic malpractice will be taken very seriously. Malpractice includes the following:

a. Plagiarism

b. Collusion

c. Duplication of work

d. Any other behavior that gains an unfair advantage for a candidate or that affects the results of another candidate

If a teacher discovers evidence of student malpractice, they will first discuss the issue with the student.  If evidence of malpractice is found, the following will occur:

First Offense:

1) The parent will be contacted, and a formal administrative write-up will occur.  This write-up will serve as warning and will remain on file as documentation if any other instances of malpractice occur.

2) The teacher, parent, and student will discuss the seriousness of malpractice and the resulting effect on the class grade.  If the student is an IB student (either in Grimsley’s Diploma Programme or as a Grimsley Pre-IB student), the IB Coordinator will be notified and the malpractice will be placed in the student’s file.

3) The student earns a 0 class grade for the assignment.

Second Offense:

1) The parent will be contacted, and a formal administrative write-up will occur.  This write-up will result in disciplinary action.

2) The teacher will notify the IB Coordinator, if applicable. The IB Coordinator will contact the student and his/her parents and decide if the student will be allowed to continue in the IB Diploma Programme at Grimsley High School.

**Restroom Policy**

Students will be allowed to leave class one-by-one for the restroom during individual practice time only. Students will be required to sign-out before leaving class, carry the hall pass while they are gone, and sign-in when they return to class. Students may NOT leave class during tests and/or quizzes. (Note: a test and/or quiz is not considered complete until the entire class has finished and turned it in.)

**Tardy Policy**

*"A student is considered tardy to class if he/she is not in his/her assigned location when the tardy bell rings."*

*-Student Handbook*

Students will be considered tardy if they are not completely inside the classroom at the end of the bell. It is acceptable for students to be out of their seats as long as they are in the process of preparing for class. Students who receive one or more tardies will be issued the following consequences:

1st offense - Warning

2nd offense - Warning and call home

3rd offense - Call home with detention

4th offense - Administrative Referral

**Electronics Policy**

*"Electronic devices (IPODS, MP3 players, phones, etc.) will not be displayed or utilized during class time unless they are incorporated by the teacher into the daily instructional plan. If used as intended and appropriately, students may use electronic devices before 9:00 am, after 4:00 pm (before and after school), during lunch, and during class changes. At no time should electronic devices become a distraction for students."*

*-Student Handbook*

Students considered to be in violation of the electronic device policy will be issued one warning before being asked to leave the classroom and report to SI. Administration will handle any and all disciplinary action that may result. In addition, students will not be allowed to charge their electronic devices in the classroom. (Note: charging stations are available in the cafeteria during lunch.)

**Classroom Behavior Consequences**

*"Students should not disrupt the instruction of the classroom teacher or the learning of other students."*

*-Student Handbook*

Students considered to be disruptive during class will be disciplined in a manner consistent with that of the Tardy Policy. In rare cases, abnormally disruptive circumstances may require that a student(s) leave the classroom and report to SI. Administration will handle any and all disciplinary action that may result.

**Late Policy for Homework Assignments**

 First day late = 15 points off

 Second day late = 10 points off

Third day and subsequent days late = 10 points off

The above late penalty will cause a grade to go down to zero after 10 days.

**Homework Assignment #1 & #2**

I am organizing an email distribution list for easier communication between myself, parents and students. The first homework assignment for the students is to email me with their name and class period in the subject line. This must be received before 9am on Thursday (8/30/18) morning. Each day after that time the grade will be lowered according to the scale above.

I also need for the parents to email me as well. This will be your confirmation that you have read the attached syllabus…please put your name, your child’s name and their class period in the subject line. If you want to send more than 1 email address, then please do so from that individual account…this way it will be easier to add you to my contacts.

I know that you all are very busy, so I would like you to send an email confirmation by 9am Tuesday (9/4/18). Each day after that time the grade will be lowered according to the scale above.

If you have any questions, please let me know via email. This HW assignment will have 2 grades…1 for the student’s email and 1 for the parent’s email.

Thank you,

Matt Martineau

martinm2@gcsnc.com