**CHATTAHOOCHEE HIGH SCHOOL**

*“A community dedicated to learning and committed to excellence”*

**AP Statistics Ms. Jaime Maxey**

**2017 – 2018 Syllabus** **maxeyj@fultonschools.org**

**Content:**

This Advanced Placement Statistics course covers all of the topics and meets all of the objectives outlined by The College Board. The four major topics of study include Data Analysis, Experimental Design, Probability, and Inference. All students are expected to take the AP exam on Thursday, May 17, 2018 at 12:00pm.

The units of study for the year (subject to change) will be as follows:

 Data Analysis Unit 1: Exploring Data

 Unit 2: Describing Location in a Distribution

 Unit 3: Examining Relationships

 Experimental Design Unit 4: Producing Data: Surveys, Studies and Experiments

 Probability Unit 5: Probability and Simulation

 Unit 6: Discrete Random Variables

 Probability and RV Unit 7: Sampling Distributions

 Inference Unit 8: Estimating with Confidence

 Unit 9: Testing a Claim

 Unit 10: Comparing Two Populations

 Unit 11: Inference for Categorical Variables (Chi-Squared)

 Unit 12: Inference for Regression

**Textbook:**

*The Practice of Statistics 5th Edition*, Yates, Moore, Starnes and Tabor, 2015

**eBook Link:**

<https://launchpad.classlink.com/> Go to Safari Montage application to find the ebook.

Students are financially responsible for all books issued by CHS. Textbooks may not be left in classrooms and teachers are not responsible for the whereabouts of your book. The copy which was issued must be turned in at the end of the course. You will not receive credit for turning in another student’s book and may not turn in replacement books. The cost of replacement will be assessed to any student that fails to turn in the book they were issued or turns in a damaged book.

**Graphing Calculators:**

A graphing calculator is needed for this course. A class set of calculators will be made available; however, completion of homework assignments is calculator dependent. You may use class calculators before and after school. Note: I recommend the TI-83+/84+ as they both have the necessary statistical capability for this course. The TI-85 and TI-86 calculators DO NOT. Game playing is not allowed at any time during class.

**Software:**

*SAS University Edition, SAS Studio*

SAS is a real-world statistical software package that can be downloaded for free by students. SAS will be used for in-class demonstrations and is a great tool for completing class projects.

*MINITAB Statistical Software*

Minitab will be utilized to expose you to types of computer output that will be encountered on the AP exam as well as in college.

*Fathom Dynamic Statistics Software, 2001 Key Curriculum Press.*

Fathom will be used for building interactive visualizations and simulations.

**Grading Policy:**

Grades will be based upon the following:

 Major Assessments (Tests): 55%

 Minor Assessments (Quizzes/Projects): 15%

 Other (Homework/Classwork/Review Guides): 10%

 Final Exam: 20%

**Student Responsibilities:**

You are expected to approach this class as a college-level course and you will be expected to complete homework and reading assignments when they are assigned, seek extra help when needed, and spend the necessary time studying. You are responsible for all of the work you miss when you are absent and will be expected to take tests as scheduled even if you are absent for review sessions.

**Student Conduct:**

All students are expected to be on-time, prepared for class, respectful of others and involved in all class activities. Appropriate language is expected at all times. No food or drinks in class except bottled water.

**Homework**: Homework will be assigned almost daily. Students will be expected to give thorough explanations and show all work on homework. Homework will be reviewed daily and collected weekly for a grade. Late homework will not be accepted.

**Tests**: A test will be administered at the end of each unit. Test format will mimic the AP exam with a multiple-choice portion (50%) and a free-response portion (50%). Additional (mid-unit) tests may also be given at my discretion. Tests will be announced at least 1 week in advance.

**Quizzes**: At least one quiz will be administered during the middle of each unit. Quizzes may be in various formats: online multiple choice, paper-pencil, completed with a partner, etc.

**Final Exam**: A comprehensive final exam will be given at the end of the first semester. A practice AP Stat exam covering the entire course will be given before the actual AP exam and will count as the final exam grade for the second semester.

**Extra Help**

I am available for extra help at 7:45 a.m. or after school by appointment only.

**Parent Communication:** **Parent Communication:** I will update student grades in eSchool Plus as work is graded. Tests may take up to 5 school days to be graded since they will resemble AP exams. A grade for homework will be entered at least once each week and occasionally when random checks are performed. Please email me with questions/concerns/comments at any time.

In addition to eSchool Plus, I will also be using my website to post assignments, test dates, and communicate with parents and students. Please email me with questions/concerns/comments at any time.

**Chattahoochee High School Provision for Improving Grades**

1. Students who complete a major assessment but fail to demonstrate mastery as evidenced by a grade below 75% on the major assessment may pursue an improvement opportunity to show proficiency. In the case of an honor code violation on a major assessment, the grade will stand as a zero with no eligibility for recovery on that assignment. What is classified as a major assessment is determined within the content area; consult your course syllabus for details.
2. Students should contact the teacher concerning recovery opportunities within 5 school days of being informed of the grade on the assessment in class.  Students are allowed one attempt at recovery per major assessment. All recovery work must be completed 10 days before the end of the semester.
3. The grade on the recovery assignment will replace the original grade if the recovery grade is equal to or below 75%.  If the recovery grade is above 75%, the original grade will be replaced with a 75%.

**School Board Policy IHA Grading and Reporting System**

Provision for Improving Grades

1. Opportunities designed to allow students to recover from a low or failing cumulative grade will be allowed when all work required to date has been completed and the student has demonstrated a legitimate effort to meet all course requirements including attendance. Students should contact the teacher concerning recovery opportunities.  Teachers are expected to establish a reasonable time period for recovery work to be completed during the semester. All recovery work must be directly related to course objectives and must be completed ten school days prior to the end of the semester.
2. Teachers will determine when and how students with extenuating circumstances may improve their grades.

**Honor Code**: Students are subject to the Chattahoochee HS honor code and plagiarism policies. More information can be found in the student handbook.

**Home Access:** A software program available to allow parents to keep up with their student’s grades. Parents may check individual assignment grades and grade summaries for their student. Please, remember that it may take several days after an assignment to actually enter the grades into the system.

**Chattahoochee Web Page**: <http://www.chattcougar.com/>

**My Web Page:** [**http://www.maxeyj.weebly.com**](http://www.maxeyj.weebly.com)