

## ADVANCED PLACEMENT STATISTICS at EVHS



“Statistical thinking will one day be as necessary for effective citizenship as the ability to read and write.”

-- H. G. Wells (1866-1946)

“I keep saying that the sexy job in the next 10 years will be ‘statistician’ -- and I’m not kidding.

-- Hal Varian, chief economist at Google

“Statistics: the art and science of making good decisions in the face of uncertainty.”

-- sounds like something useful for most of life.

### I. COURSE OBJECTIVES—what successes are we targeting?

- demonstrated mastery of the AP Stats curriculum as determined by the College Board.
- use the tools of statistics to develop good problem-solving, critical thinking, and citizenship skills.
- prepare for further success in college-level mathematics
- keep college major and subsequent career options open.
- EARN COLLEGE CREDIT BY CRUSHING THE AP STATS EXAM: 12:00 noon on WEDNESDAY, MAY 11<sup>th</sup>, 2011.**

### II. EXPECTATIONS—what qualities will it take to be successful?

- your best effort and greatest responsibility.
- respect for all those in the room.
- bring all proper and no improper materials to class.
- compliance with EVHS absence and tardy policies.
- knowledge of, respect for, and compliance with the EVHS academic honesty and integrity policy.

### III. SUPPLIES—what items do I need to be successful?

- 3-ring binder(?), paper, writing tool
- TI-83/84/+ graphing calculator and manual
- dangerously positive attitude
- book cover

### IV. ASSIGNMENTS/HOMEWORK—what should I do to be successful?

- Read each section before we cover it in class.
- Have all work completed to the best of your ability before class begins.
- Avoid late work. There is no guarantee of any credit. Don’t get, be, or stay behind.
- Regular attendance is key to stat success. There are two kinds of absences—those you don’t know are coming and those you do. If you miss class for an unforeseen reason (i.e. sickness) your responsibilities are 1) connect with classmate(s) and get copies of any notes, tutoring, etc.; 2) stop by and see instructor before school when you return to pick up materials and schedule any makeup; 3) complete all makeup within the “2-for-1” policy set by EVHS. If you do know about an upcoming absence (i.e. field trip, activity practice, vacation, etc.) then your responsibilities are 1) notify instructor well ahead of the absence; 2) pick up any needed materials as soon as they’re available; 3) arrange for classmate(s) to feed you copies of notes, handouts, tutor you, etc.; 4) possibly complete the work prior to missing class; 5) be caught up and in step with the class when you return. The “2-for-1” makeup rule does not apply to pre-planned absences. Every opportunity comes with a responsibility. Great opportunities come with great responsibilities.
- Get involved, but don’t let outside-of-classroom commitments get in the way of inside-the-classroom success.
- Be responsible about homework without having it ‘checked’ daily. You’re in a college-equivalent AP class.

### V. TESTS & QUIZZES—how will my success be measured and evaluated?

- Tests will be announced. Quizzes may or may not be announced.
- Time will usually be scheduled for review before chapter tests.
- If you miss a test, quiz, or review day, you will generally make up the test/quiz the day you return. If you are gone, it is your responsibility to stop by before school the next day to make a plan.

### VI. GRADES—how will my success be reported?

- Our shared goal is DEMONSTRATED MASTERY OF THE MATERIAL on the way toward acing the AP exam. Percentage weights used for computerized grading during the quarter: 10% Assignments/Homework; 90% Tests, Quizzes, Projects; possible cumulative exam(s) covering the qtr./semester’s material. We also reserve the right to use our own non-computerized professional judgment of your demonstrated mastery in assigning your transcript grade.
- Approximate cutoffs: 93%+=A, 90%+=A-, 87%+=B+, 83%+=B, 80%+=B-, 77%+=C+, 73%+=C, 70%+=C-, under 70% = our professional judgement.
- We may be experimenting with alternative grading schemes this year. Watch out.
- Pass/No Credit Option: 70%+=Pass, <70%=No Credit. Confirm requirements w/instructor before choosing this option.

### VII. HELP !! —How can I increase my opportunity for success?

Options include study groups during study hall & outside school w/classmates, extra work before/after school, peer tutors, Homework Hotlines, and other math teachers. In AP Statistics, another great resource is the variety of online resources available. Our #1 shared goal is mastery of the course material on the way toward acing the AP exam, and we are willing to help out a responsible, hard-working student in most any way we can. If you have suggestions to improve the class, please see us! Be sure and communicate your needs and concerns.

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On the Web: <http://www.district196.org/evhs/People/baileycweb/APS%20Files/APS%20Main.htm>

On the Moodle: <http://learn.district196.org/>