

**Jefferson County High School
Course Syllabus**

A. Course (Statistics Dual Credit)

B. Department (Mathematics Department)

C. Course Description: The purpose of the AP course in statistics is to introduce students to the major concepts and tools for collecting, analyzing and drawing conclusions from data.

Students are exposed to four broad conceptual themes:

1. Exploring Data: Interpreting Categorical and Quantitative Data
2. Probability: Using Conditional Probability and The Rules of Probability to Find and Understand Simple and Compound Events
3. Probability Distributions: Using Probability to Make Decisions
4. Sampling and Experimentation: Making Inferences and Justifying Conclusions

D. Grade Term (Full Year)

E. Grading Scale

<u>Range</u>	<u>Honors/ Regular</u>	<u>College-Level</u>	<u>A.P.</u>
93-100 A	4.0	4.5	5.0
85-92 B	3.0	3.5	4.0
75-84 C	2.0	2.5	3.0
70-74 D	1.0	1.5	2.0

F. Term Dates

- a. 1st 9 Weeks August 5, 2016 – October 7, 2016
- b. 2nd 9 Weeks October 8, 2016 – December 16, 2016
- c. 3rd 9 Weeks January 5, 2017 – March 15, 2017
- d. 4th 9 Weeks March 16, 2017 – May 25, 2017

G. Textbook(s) (Elementary Statistics Ninth Edition)

H. Other Required Reading

I. Other Resources

- a. Odysseyware

J. Major Assignments

K. Procedures for Parental Access to Instructional Materials

- a. Aspen Parent Portal
- b. Instructor's Website
- c. Email Instructor (rsinard@jcboe.net)
- d. Parent Teacher Conference
 - a. There are two designated conference dates during the school year. Parents who would like to request additional meetings may make appointments for conferences with the teachers (during their planning periods), counselors, or a principal by telephoning the school office.

L. Field Trips

- a. Any schedule fieldtrip will have a definite educational purpose and will reflect careful planning. Signed permission forms will be obtained when an off campus trip is planned.

M. Standards & Objectives

- a. I can explore, analyze, and interpret categorical and quantitative data.
- b. I can understand and apply conditional probabilities and the rules of probability.
- c. I can use probability distributions to make decisions and draw conclusions.
- d. I can make inferences and justify conclusions thru sampling and experimentation.