

## Course Syllabus

### AP Statistics:

Instructor: Mr. Falde  
Email: daryl.falde@sfcakings.org  
Southwest Florida Christian Academy  
Room: J202

### Textbook:

Textbooks are checked out from the school for use during the course.

Starnes, Daren S; and Tabor, Josh. Updated Version of The Practice of Statistics, W. H. Freeman & Company; 6<sup>th</sup> edition; 2020.

### Course Objectives:

In this course students will explore the methods of data collection, the methods of representation and analysis of data, and the methods of prediction and inference possible from the analysis. Students will be engaged in the exploration of statistical relationships and realities. Students will learn many statistical techniques and will be taught and required to communicate these in a variety of ways in the context of activities, projects, quizzes, tests, and discussions. Students will learn to communicate their processes, analysis, results, findings, and conclusions using correct and effective statistics vocabulary. This idea of communication through statistics is one of the main goals of this course. Statistics are all around us and many people see them and recognize them, but truly being able to understand statistics, what they mean, and what they infer is what is most important. This course will teach students how to communicate these understandings in an organized and meaningful way. The course is organized into nine units of study as follows:

1. Exploring One-Variable Data
2. Exploring Two-Variable Data
3. Collecting Data
4. Probability, Random Variables, and Probability Distributions
5. Sampling Distributions
6. Inference for Categorical Data: Proportions
7. Inference for Quantitative Data: Means
8. Inference for Categorical Data: Chi-square
9. Inference for Quantitative Data: Slopes

### Course Expectations:

The class will be conducted in a small-group structure with guided learning led by instructor leading to collaborative learning among the class members. Students will then have individual assignments to ensure personal achievement. That personal achievement will be verified on quizzes and tests.

There will be application projects correlating with the units of study.

AP Exam review questions will be used regularly to develop familiarity with the format and expectations on both the multiple-choice and free-response type questions. Due to the considerable review within the course; there will not be a semester 1 review and exam. Coursework will continue through all the class days prior to exams. Students are required to take the AP Statistics Exam at the end of the course.

**Technology:**

All high school students are required to have a fully charged, fully functioning laptop in class each day. Cell phones and other tablets are not acceptable devices.

Each student will need to have a graphing calculator. The preferred calculator is the TI 84 (with or without the CE, color enhanced graphs).

**Materials:**

1. Pocket folder with paper
2. Pencils and pens
3. Graph paper

**Course Grade:**

Evaluation during the course includes daily work, projects, quizzes, and tests. Term grades are calculated as 50% from tests and projects, 30% from quizzes, and 20% from assignments, daily work, and participation.

Assignments are evaluated as to completeness, orderliness, correct procedure shown, as well as the actual correct answers. Assignments are graded using a 10-point scale. Assignments must be turned in when due for credit.

**Class expectations:**

I appreciate the cooperation normally shown by students in the classroom. Everyone should enjoy the right to learn – free from unnecessary interruption.

We must maintain the following standards as outlined in the student handbook:

**Student Expectations**

- It is expected that every student will conduct himself in an orderly, courteous manner at all times with prompt and respectful obedience to all school personnel, following all adult direction without comment. If a student questions a teacher's decision, he/she should speak to the teacher privately after class. At that time, he/she should respectfully explain the situation and wait for the teacher's response.
- It is expected that every student will respect the feelings and rights of others. This includes students, teachers and visitors.
- It is expected that every student will conduct himself in an honest manner, avoiding such actions as lying, stealing and cheating.
- It is expected that every student will be on time to each class and be prepared with a proper mental attitude and all their necessary materials, books and assigned work.
- It is expected that every student understands that the teacher's desk, computer, and other personal belongings and work area is personal property and will be treated as such.
- It is expected that every student will remain in compliance with the classroom teacher's rules, policies and procedures.

Minor student disruptions during a class period will be dealt with following a 4-step classroom management plan.

1. The student will receive a verbal warning the first time.
2. The student will receive a written warning the second time that will be sent home to the parents via FACTS and a conference may be requested.

3. The teacher will assign a penalty to the student in the form of a detention, written assignment, or other discipline deemed appropriate if there is a third occurrence of discipline issues within a class period.
4. The teacher will refer the student to the Administration if disruption continues.

**EXTRA HELP**

Help is available Wednesday after school and other times as needed. Make arrangements for help time when you need it.

(Print, sign, and return this page by Monday, Aug 14.)

**Teacher: Mr. Falde**

**Syllabus Acknowledgement: AP Statistics**

- The syllabus contains important information specific to this course. It is important for parent and student to read and discuss the information.
- We urge you to actively use your FACTS and Canvas accounts online as resources.
- After reading the syllabus, fill out this form and return it to the teacher.

Student name (PRINT) \_\_\_\_\_

**I have read the course syllabus...**

(student signature) \_\_\_\_\_

(parent signature) \_\_\_\_\_