



San Diego Unified School District

Clairemont High School -- 4150 Ute Drive -- San Diego, CA 92117

Course: Business Statistics
Teacher: Ms. Cari Goodwin

Room B-6
Contact: cgoodwin1@sandi.net
(858) 273-0201 x 4006

Website: www.sandi.net/clairemont
Faculty tab - Goodwin

Course Content: Business Statistics introduces students to elements of statistical concepts, techniques, and tools for collecting, analyzing, and drawing conclusions from data as applied in business. The course focuses on the student as a user and producer of statistics to inform and support decision making in business with emphasis on the use of business-oriented statistical instruments.

Students are exposed to four broad conceptual themes:

1. Exploring Data: Describing patterns and departures from patterns
2. Sampling and Experimentation: Planning and conducting a study
3. Anticipating Patterns: Exploring random phenomena using probability and simulation
4. Statistical Inference: Estimating population parameters and testing hypotheses

Students who successfully complete the course will learn how to: develop skills in using statistics tools; determine and apply the correct procedures to use in a given business situation; interpret the meaning of confidence intervals in context; interpret the results of hypothesis tests; and make an informed decision, based on the results of inferential procedures.

Prerequisites: Students must have successfully completed Algebra I, Geometry, and Algebra II.

Text: Statistics Through Applications, 2nd Edition (2009). Freeman. D. Starnes, D. Yates, D. Moore.

Supplies: The following materials will help students be successful in this class. Additional materials may be needed for specific assignments and projects; notice will be given in these instances.

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|---------------------------|-----------------------------|
| ✓ 3-Ring Binder | ✓ Pencil & eraser |
| ✓ Single-subject notebook | ✓ TI-83 graphing calculator |
| ✓ Ruled paper | |

Grading Policy

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|--------------|---|
| • A: 90-100% | • 20% = Preparation (homework, project & presentation prep, etc.) |
| • B: 80-89% | • 20% = Participation (class discussions/activities, in-class assignments, presentations, etc.) |
| • C: 70-79% | • 60% = Assessments (tests, quizzes, papers, projects, etc.) |
| • D: 60-69% | |
| • F: <60% | |



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Class Vision: This class will be a collaborative, interactive learning environment. You will contribute not only to your own success, but the success of your fellow students and the class as a whole. This is a student-centered classroom, where you will *make connections* among material and concepts. Your goal is to *understand* the material, and use concepts to problem-solve and apply in real-world situations.

Expectations

- Assume responsibility for you behavior and your choices.
- Ask relevant and provocative questions.
- Participate in discussions and activities by contributing your thoughts.
- Listen attentively and actively to lecture, videos, and your peers.
- Be prepared with materials and with brain activity.
- Complete assignments on time.
- Follow rules and procedures.
- Be present! Attendance is essential to complete group projects.

Participation: Participation points are gained with regular attendance, focused and completed class work, engaged participation in class activities, and cooperative group work.

Class Work: Class work is due at the end of the assigned class period, with make-up work possible only for excused absences. All work must be shown legibly in order to receive credit.

Homework: Homework will be assigned daily, and will be checked at the beginning of each period. All work must be shown legibly in order to receive credit. Homework assignments are checked for completeness daily, and turned in as a packet at the end of each chapter.

Tests and Quizzes: Exams will be given at the end of each unit, with a comprehensive final each semester. Exams will be based on concepts presented in class, textbook material, class work, and homework assigned. Quizzes and group assessments may be given throughout each chapter. If you have an excused absence on the test day, you may be required to take the test in class the day you return, or you will only be allowed one week to make up a test after school. Some quizzes and group assessments may be made up with a supplementary assignment for excused absences only.

Projects: Group and individual projects will be assigned frequently, in order to apply knowledge learned to real-world situations. Projects will be completed both in and out of class. Be prepared to be present in class in order to complete projects.

Late Work Policy: Late work will be accepted only if complete, on the next day with maximum 75% credit, and before the end of a unit for maximum 50% credit. Homework assigned on days of excused absences will receive possible full credit if turned in within two days (for every day absent).



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Attendance and Discipline: Students who exhibit behavioral problems or who are not engaged will not be awarded participation points. Unexcused absences and trancies will result in a zero for any assignments missed, including tests. The school's policy regarding discipline as defined in the Student Handbook, regarding tardiness, truancy, behavior, electronics, and the dress code will be followed. Classroom consequences will be enforced as outlined in the student accountability contract, including citizenship grade requirements. Negative consequences include lowered academic and citizenship grades, class detentions, and school referrals.

** In addition, Academy of Business students will be held to the Academy of Business policies on academics and behavior.*

Academic Integrity: Although collaboration is an essential part of learning, plagiarism from professional sources or from peers will not be tolerated. If instances of peer plagiarism are discovered, regardless of which student was the original source, all individuals involved will receive the same disciplinary consequences, including a "0" on the exam/assignment.

Tutoring: All students who have questions or are having difficulty are strongly encouraged to come in for help immediately. Tutoring will be available throughout the year, with details to follow.

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## Course Units

Unit 1 – Business Statistics defined

Unit 2 – Data Types and Samples / Business Demand

Unit 3 – Data Interpretation / Business Decisions

Unit 4 – Measures of Central Tendency / Business Trends

Unit 5 – Statistical Probability / Business Outcomes

Unit 6 – Data Research and Analysis / Managing Marketing Strategies

Unit 7 – Confidence Interval / Risk Management

Unit 8 – Linear Regression / Forecasting and Decision Making

Unit 9 – Data Analysis / Strategic Planning

Unit 10 – Re-Expressing Data / Advanced Business Decisions



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## **FOR STUDENTS – Classroom Contract**

### **Classroom Contract**

As a student in Business Statistics taught by Ms. Goodwin at Clairemont High School, I agree to abide by the school and class rules and policies, as outlined below and as discussed in class. Based upon my actions, I agree to accept the consequences to those actions.

### **Classroom Rules**

The classroom rules are in place to ensure that we all have a positive experience in our class, and that each person here has the ability to do their job, as student or teacher. In addition to the specifics of the school-wide policies, the classroom rules are as follows.

1. Respect each other and the classroom.  
(e.g. keep room clean, no food or drink, work cooperatively with teacher and peers, etc.)
2. Take action to create a positive class environment.  
(e.g. be focused, participate, no profanity, etc.)
3. Invest in yourself.  
(e.g. electronic devices off and put away, no grooming, no hats, complete work, etc.)

### **Citizenship and Behavior Expectations**

Citizenship grades are determined by class participation, behavior, following school-wide policies, effort, and attendance (including truancies, being tardy and unexcused absences). To receive an "E" in citizenship, students must exhibit positive behavior and regard for their fellow students, teacher, school faculty and staff, and themselves, including being present, engaged and participating in class.



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## FOR FAMILIES

**Dear Parent/Guardian,**

I look forward to working with you and your student to make this a great school year. If you ever have any concerns regarding your student's progress, please don't hesitate to contact me. Once you have reviewed and discussed this syllabus and student contract with your student, please sign and return the signature sheet provided. I encourage you to provide your email address so that I can better communicate with you regarding your student's progress during this school year.

How to help your child succeed:

1. Set up a clean, consistent, relatively quiet place to work.
2. Help them with priorities, planning, time management.
3. Aid them in knowing when/who/how to ask for help.
4. Check PowerStudent.
5. **Ask them what they're doing in class.** This business stats course covers many topics applicable to daily life and interesting to discuss; they may be excited to talk to you about it!

Thank you,

Cari Goodwin