

STATISTICS COURSE SYLLABUS

Instructor	E-Mail	Website	Study Hall Schedule	Room
Ms. Ballard	kballard1@psusd.us	www.kballardmath.weebly.com	T/Th Lunch, M/W Afterschool	604

Description: This 10 credit course “is an introduction to descriptive and inferential statistics; how to use measures of central tendency and dispersion among population samples to draw inferences about a population and to compare two or more populations. Discrete and continuous probability density distributions are analyzed including the binomial, normal, and Student-t, distributions. Confidence intervals for population means, proportions and variance are set. Additional topics include linear regression and correlation analysis and techniques of hypotheses testing, including use of calculator and software applications.” (RMHS Course Catalog)

Course Objectives

Proficient with the correct usage of symbols and terminology.

Proficiency with interpreting and representing data and probability in order to analyze and draw conclusions.

To help you make positive decisions with your thinking and behavior as you deepen your understanding of mathematics.

WHAT IS EXPECTED OF ME ACADEMICALLY?

It is YOUR JOB to be the best student you can be by:

- Asking pertinent questions and participate
- Have a positive attitude
- Take quality notes (Cornell) in required notebook
- Stay organized & complete the reading
- Complete your own quality work
- Maintain academic honesty & integrity
- Be respectful to others
- Ask for guidance when struggling
- Come to class with supplies EVERYDAY
- Clean up after yourself
- Follow the school policies

How will I be graded?

- Tests and quizzes are graded for accuracy. Showing legitimate work is essential. *I do not allow retakes; a student must be prepared for the original assessment.*
- Classwork and Homework are graded for accuracy and/or completion & effort. Homework is due at the set deadline.
- With all work, students are expected to have a proper heading, write the problem (when appropriate), show reasonable work, and clearly state the solution. Incomplete/sloppy homework will earn little to NO credit.
- Projects will be graded based on the rubric given.
- Your grade reflects your work ethic and level of understanding of the math content. I follow the PSUSD grading scale outlined in the math department policy document.

Assessments

70%

- Tests, Quizzes, Projects

Non-Assessment

30%

- Classwork, Homework, Participation

I DO NOT ROUND GRADES!!

What if I'm absent?

It is YOUR JOB to complete absent work. You can find the weekly agenda on my website. Make sure to turn your work labeled “absent work” in the correct period basket. *You have 1 day for each day absent to complete the work without deduction.*

Students who miss class for scheduled school activities (sports, ASB, performing arts, clubs, etc.) must meet the same assignment deadlines as other students.

What is the late work policy?

Make sure to complete work on-time to demonstrate responsibility and to keep your grade up! *You do not get to make up missing assignments, or frequently turn in late work.*

Certain late work is accepted **1 day late at 50% credit**, at my discretion. Stat Lab work is not accepted late. Label it “Late Work” and place it in the late work bin.

Materials

One-Subject Spiral (college ruled or grid) for math notes only
Pencils, erasers, pens (*blue or black*)

Highlighter

College ruled filler paper or grid for HW

Graph paper for class and HW (optional)

Any graphing calculator on the suggested list (required)

Textbook : Pearson STATS: Modeling the World

WHAT IS EXPECTED OF ME BEHAVIORALLY?

Technology & Devices

We will be using technology in class. You are EXPECTED to use it appropriately. Misuse or not following directions will have consequences. Please go to my website to see the list of possible programs/apps we will be using. Remember to:

1. Stay on-task and focused.
2. Use only apps listed on the whiteboard.
3. Work with your partner and share when asked to.

*Cell phones are only allowed on certain days at the teacher's discretion.

Appropriate behavior is any choice:

- **Which moves you closer to your goals**
- **That helps you achieve positive results**
- **That improves your chances of a better learning experience**
- **The is helpful to yourself and others**

Examples:

- Listening to directions and following them
- Working with others calmly
- Sharing ideas and participating
- Respecting the person addressing the class

Inappropriate behavior is any choice:

- **Which keeps you from your goals**
- **That interferes with achievement**
- **That interferes with your future**
- **That is harmful to yourself and others**

Examples:

- Hurting others physically or emotionally
- Cheating yourself by not doing your own work
- Not asking questions or paying attention
- Interrupting the person addressing the class
- Breaking any school policy

What happens as a result of my behavior?

Privileges and activities can be earned for appropriate choices! Inappropriate choices may earn any negative consequence such as:

- Warning
- Parent contact
- Refocus form
- Send out of class
- Detention
- Referral / ISSS / Exclusion List / OSS
- Parent conference

WHAT CAN I EXPECT FROM MS. BALLARD?

My primary goals are to help you:

- Assume responsibility for your choices
- Understand the choices you make have consequences (good or bad)
- Think for your self
- Develop problem-solving skills for college & career
- Develop social skills by working with other students
- Learn the necessary standards to complete this course

You can expect the following from Ms. Ballard:

- **Honesty** She will be straightforward.
- **Help** She will assist you, but she will not do it for you.
- **Goal Setting** She will help you in choosing reachable goals.
- **Consistency** She will provide consequences for positive and negative choices.
- **Mistakes** Everyone makes mistakes.
- **Confidentiality** She will respect privacy.
- **Listening** Your concerns are valuable.
- **Responsibility** She will be responsible for her actions, but you are responsible for your own.

Class rights:

- You have the right to not be here (sickness, family emergencies, etc.)
- You have the right to be here, participate and grow.
- You have the right to be treated with dignity and respect.
- You have the right to calmly and respectfully ask questions.

Classroom Rules:

1. Listen Carefully
2. Follow directions
3. Be Prepared
4. Be Respectful

Classroom Procedures:

1. Get out all needed supplies before the class start
2. Be in your seat ON-TIME
3. Begin the warm-up upon entering
4. Raise your hand to speak
5. Don't disturb others
6. Take responsibility for your choices
7. Clean up the last 2 minutes of class

