

COLLEGE MATH/PROBABILITY & STATISTICS POLICIES

Instructors: Ms. Stacy Lethbridge & Mrs. Tonja Johnson

Website: www.phsmath.org

Plan Periods: Lethbridge: 3 and 7, Johnson: 4 and 5

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Extra Help: I am available before school Monday thru Friday and during Mustang 55. Please feel free to come in anytime.

These two single-semester courses will allow you to earn college credit, along with your high school credit, through the CU-Succeed Gold program at the University of Colorado at Denver. Each course is three semester hours, and credit is for completion, not an exam as in AP courses. College Math is the same as MATH 1070, *Algebra for Business and Social Science* and Probability and Statistics is the same as MATH 2830, *Introduction to Statistics for non-math majors*.

Topics covered in College Math:

Review of Linear, quadratic, and Exponential Functions

Financial formulas (Value of investments, determining payments, etc.)

Matrix applications (Economics, population growth, etc.)

Linear Programming (This is a method for *maximizing* profit)

Probability (Union, intersection and complement of events, expected value)

Topics covered in Probability and Statistics:

Data description,

Experimental design

The Normal Distribution and z-scores

Probability

Confidence intervals

Hypothesis Testing

Difference of Means

Linear regression and correlation

One of the objectives of these courses is to help you to prepare for college study. The material will be presented using the lectures similar to those given on campus at CU. After the material is presented, you will have several days to work on a lengthy assignment. In class you will form study groups (a major key to college success in difficult courses). On designated study days I will not answer questions other than clarification of the assignment. In college you do not have the professor standing by every moment to tell you if you are doing the work correctly. I want you to learn to dig for the information and use classmates as a resource. In addition to quizzes there will be about 4-5 major exams during each semester.

Grading:

Assignments – 15%
Quizzes – 10%
Tests – 75%

Semester Grade – 80%
Final Exam – 20%

A	90% - 100%
B	80% - 89%
C	70% - 79%
D	60% - 69%
F	0% - 59%

Exams and quizzes will be scored for percent correct, homework for percent completed. Assignments will usually be due the Monday after they are assigned. I will go over questions on an assignment the day after it is assigned. **I do not take late assignments** unless you have an excused absence. If you have an unexcused absence, all work due that day will be scored as a zero in the grade book; this includes quizzes and tests. Infinite campus is kept up to date almost daily.

Supplies:

TI – 83/84 calculator
Spiral Notebook/ 3-ring binder for notes
Textbook (you will need this everyday)

Tardies/Cell Phones/Dress Code: Tardies will be dealt with according to the school policy. To be considered on time, you must be *in* the room when the bell *begins* to ring. Cell phones are to be turned off during class; if you have one out, I will turn it over to the administration. **IF YOU USE CELL PHONE ON A TEST DAY, I CONSIDER THIS CHEATING AND YOU WILL TAKE A ZERO ON THAT TEST.** No passes are to be used in first or last 10 minutes. Follow the PHS dress code and no hats, sunglasses or coats are to be worn during class.

This class will be fun, interesting and useful if you allow it to be. I expect you to conduct yourself in a manner that is honoring to yourself, your family and Ponderosa High School. Let's help each other make this a great year!