

CSU-Pueblo Hasan School of Business
BUSAD 265 Inferential Statistics and Problem Solving
MW 11:00-12:15 in HSB 111

Instructor: Justin O. Holman, Ph.D.

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Office: HSB 253; **Hours:** MW 12:15-1:00, 2:15-3:00; or by appointment

Course Description: Introduction to elementary statistics, inferential statistics and problem solving methods with applications for undergraduate business students.

Instructional Methods: Traditional in-person, face-to-face.

Course Objectives/Student Learning Outcomes (SLOs): Students will learn to utilize statistical methods including measures of central tendency and variance, normal distribution, sampling, parameter estimation, hypothesis testing, correlation, and linear regression.

Course Philosophy: This course emphasizes mastering select key ideas through repeated practice and problem solving rather than memorizing formulas. The goal is to develop practical skills you can continue using long after the course ends.

Prerequisites: MATH 121 or equivalent **Credit hours:** 3

Materials:

- No Textbook Required.
- Pen or pencil and paper are required every class.
- Calculators are recommended. Basic calculators are provided during exams.

Course Requirements and Grading:

- **Your final course grade is based on 5 exams, each worth 20%.**
- Final letter grades are based on your exam average:
 - A >90, B >80, C >70, D >60, F <60. No, I won't "round up" to improve a grade.
- Exam Absence Policy*
 - No individual make-up exams will be given during the semester.
 - One **All-Purpose Make-up Exam (APME)** will be offered during Finals Week.
 - The APME may replace **exactly one** missed regular exam.
 - If you complete all five regular exams on schedule, taking the APME is optional and can only improve your exam average.
 - Students who miss more than one regular exam cannot replace both missed exams through the APME.

** This policy is intended to provide a fair, consistent process for handling official University activities, illness, emergencies, and other excused absences while eliminating the need for individual make-up exams since the testing center has closed. Students who know in advance that they will miss **more than one** regular exam should carefully consider whether this course is compatible with their schedule.*

Classroom Etiquette: Professional behavior is expected at all times. Disruptive behavior in the classroom will not be tolerated. Anyone causing a disturbance will be asked to leave. Multiple infractions will result in referral to the Office of Student Judicial Affairs or similar.

Accommodations: If you have a documented disability that may impact your work in this class and for which you may require accommodations, please see the Disability Resources as soon as possible to arrange services. Disability Resources is located in OSC 104, and can be reached by phone (719-549-2648) and email (dro@csupueblo.edu).

University Policies: All University Policies that the Provost Office wants faculty to include on their syllabi are contained here: [Syllabus Reference Sheet](#) and [Syllabus Template](#).

Class Schedule and Exam Dates (subject to change):

<u>Week</u>	<u>Topics</u>
1	Introduction, Distributions, Stemplots, Histograms
2	Percentiles, Boxplots and Variance
3	Exam 1 (Wed 9 Sep)
4	Normal Distribution, Z-Scores, Standard Normal
5	Normal Curve Probability Problems
6	Exam 2 (Wed 30 Sep)
7	Sampling, Sampling Distributions and Inference
8	Estimation, Confidence Intervals, Small Samples with t-distribution
9	Exam 3 (Wed 21 Oct)
10	Significance Testing
11	Testing Proportions, Small Samples
12	Exam 4 (Wed 11 Nov)
13	Scatterplots and Least Squares
14	Linear Regression
15	<i>Thanksgiving</i>
16	Exam 5 (Wed 9 Dec)
17	Finals Week - APME (Mon 14 Dec)