

(MATH 1310) Statistics for Business

Course Description

This course prepares students to explain and apply the basic concepts of data analysis and to provide students with the pragmatic tools required to both conduct and assess statistical analyses. The course will cover basic descriptive measures, measures of association, probability theory, confidence intervals, and hypothesis testing.

Learning Objectives

By the end of this course, students will be able to:

- Display graphic representations of data selecting frequency or relative frequency distributions.
- Apply measures of central tendency to sets of data and determine how those measures are affected by skew, range, variance, and deviation.
- Calculate permutations, combinations, normal distribution, probabilities, and standard deviation.
- Apply ethical reasoning to explain why populations are sampled and describe four methods to sample a population as well as possible errors.
- Determine appropriate sample sizes from the population and calculate normal curves using Z tests and t tests.
- Construct the appropriate set of analytical tools to provide an empirical foundation for sound business decisions.
- Determine when variables are correlated using one-way and two-way analysis of variance among different groups using a variety of tests.
- Report statistical analysis results via a narrative style, using graphs and tables.

Grade Scheme: Letter Grade

Minimum Pass: 50%

Credit Weight: 3 Credits

Deliverables:

- Discussion Posting
- Homework Assignment
- Project
- Quizzes
- Mid-Term
- Final Exam

* Please note that this document is for marketing purposes and that the details of the course including grading, assessments and objectives may change or vary.

Grade	Grade Point Average (GPA)	Percentage
A+	4.3	90-100%
A	4.0	85-89%
A-	3.7	80-84%
B+	3.3	77-79%
B	3.0	73-76%
B-	2.7	70-72%
C+	2.3	65-69%
C	2.0	60-64%
C-	1.7	55-59%
D	1.3	50-54%
F	0.0	0-49%