



SYLLABUS

Course Title	Business Statistics
Course Number	BUS 215
Number of Credits	3
Course Dates	5/25/20 - 7/25/20
Instructor	Dr. Tammie Lang
Email Address	tammie.lang@doane.edu
Office Hours/Availability	Can be available via Zoom as needed. Email me to schedule a virtual appointment.
Phone Number	402-580-1715 (call or text)
Textbook Information: (e.g. title, edition, publisher, ISBN)	Lind, D., Marchal, W., & Wathan, S. (2013). <i>Statistics for Business and Economics</i> . McGraw-Hill Irwin. New York, NY
Additional Course Materials	NA
Course Description	Course description - An introductory course in statistical procedures with applications to business. Topics include descriptive statistics, the binomial and normal distributions, sampling, hypothesis testing, estimation, correlations, contingency tables, one-way analysis of variance and linear regressions.
Course Learning Outcomes/Objectives	Upon completion of this class, students will be able to <ul style="list-style-type: none">• CO 1) collect a data set, identify the sampling method used, and recognize potential bias;

	<ul style="list-style-type: none"> • CO 2) describe a dataset with tabular, graphical, and numerical methods; • CO 3) test various hypothesis and construct confidence intervals; • CO 4) scrutinize and interpret results and draw meaningful conclusions; and • CO 5) present your data and results in a way that is concise and visually appealing and provides information to the reader. <p>Student learning objectives –</p> <ol style="list-style-type: none"> 1. By the end of this course, students will be able to recognize and select appropriate basic statistical formulas for various situations. 2. By the end of this course, students will be able to compute statistical formulas to interpret data for decision making.
Course Prerequisites	Students must be of sophomore status or above, or with permission.
Instructional Details	This course utilizes an Andragogical approach. For those who are not familiar, andragogy (the study of adult learning) centers on the learner. In short, while there are lectures and videos, the emphasis is on consistently working through the course material, applying, analyzing, and synthesizing the data.
Technology Requirements	https://www.doane.edu/faq/minimum-computer-requirements

Course Schedule

Week	Topic	Contents	Assessment Matched to Learning Outcomes	Due Date and Time
Week/Mod 1	Introduction Vocabulary Sampling	Chapter 1 Handouts	Homework over types of variables	Due Tuesday 6/2 at 11:55pm
Week/Mod 2	Displaying Data	Handouts	Homework over material covered in class Quiz over Session 1 material	Due Tuesday 6/9 at 11:55pm
Week/Mod 3	Measure of Center and Measures of Dispersion	Handouts	Homework over material covered in class Quiz over Session 2 material	Due Tuesday 6/16 at 11:55pm
Week/Mod 4	The Normal Curve and Probability	Handouts	Homework over material covered in class Quiz over Session 3 material	Due Tuesday 6/23 at 11:55pm
Week/Mod 5	Z-Scores and Probability using the Normal Curve	Handouts	Homework over material covered in class Quiz over Session 4 material	Due Tuesday 6/30 at 11:55pm

Week/Mod 6	Confidence Intervals and t-tests	Handouts	Homework over material covered in class Quiz over Session 5 material	Due Tuesday 7/7 at 11:55pm
Week/Mod 7	Hypothesis Testing	Handouts	Homework over material covered in class Quiz over Session 6 material	Due Tuesday 7/14 at 11:55pm
Week/Mod 8	Correlation	Handouts	Homework and project handed in Quiz over Session 7 material	Due Tuesday 7/21 at 11:55pm

Grading Assessments

Type of Assessment	Points	Total possible points
Self Introduction		
Study Guide	10 X 8	80
Practice Problems	10 X 7	70
Journal	20 X 8	160
Discussion Boards	40 X 8	320
Exams	20 X 7	140

Exam Exercise	20* X 7	140
Final Project	100	100
Total		1010

*Sometimes the Excel exercises and the exam are combined

Grade Scale

A+ = 97-100% A = 93-96% A- = 90-92% B+ = 87-89% B = 84-86% B- = 80-83%
 C+ = 77-79% C = 74-76% C- = 70-73% D+ = 67-69% D = 64-66% D- = 60-63%
 F= 59% or below

Participation Policy	<p>A student is expected to be prompt and regularly attend on-ground classes in their entirety. Regular engagement is expected for on-line courses. Participation in class discussions is an integral part of your grade.</p> <p>(Faculty to insert any additional class participation; see resource page for ideas.)</p>
Study Time	<p>Expectation of the amount of time the course requires students to spend preparing and completing assignments. Typically, students could expect to spend approximately 12 hours a week preparing for and actively participating in this 8-week 3 credit hour course. This actual time for study varies depending on students' backgrounds.</p>
Late Work	<p>(Include expectations regarding late work; please see attachment for examples.)</p>
Submitting Assignments	<p>(Include expectations regarding students' submission of assignments, for example, in class or in Blackboard.)</p>
Communication Policy including Assignment Feedback	<p>(State your policy on timeliness of communicating with students and length of time needed before assignments will be graded, e.g. 48 hours.)</p>

Academic Integrity Policy	<p>Doane University expects and requires all its students to act with honesty and integrity and respect the rights of others in carrying out all academic assignments. Academic dishonesty, the act of knowingly and willingly attempting or assisting others to gain academic success by dishonest means, is defined in four categories:</p> <ol style="list-style-type: none"> 1. Cheating - "Intentionally using or attempting to use unauthorized information or study aids in an academic exercise." 2. Fabrication - "Intentional and unauthorized falsification of invention or any information or citation in an academic exercise." 3. Facilitating Academic Dishonesty - "Intentionally or knowingly helping or attempting to help another to commit an act of dishonesty," and/or coercing others to do the same. 4. Plagiarism - "Intentionally or knowingly representing the words or ideas of another as one's own in any academic exercise," in both oral and written projects. <p><i>Gehring, D., Nuss, E.M., & Pavela, G. (1986). Issues and perspectives on academic integrity. Columbus, OH: National Association of Student Personnel Administrators</i></p> <p>For more information on the sanctions for academic dishonesty, please visit the website: https://catalog.doane.edu/content.php?catoid=16&navoid=1333</p>
Academic Support	<p>Please contact academicsupport@doane.edu https://www.doane.edu/graduate-and-adult/academic-support</p>
Disability Services	<p>https://www.doane.edu/disability-services Doane University supports reasonable accommodations to allow participation by individuals with disabilities. Any request for accommodation must be initiated by the student as soon as possible. Each student receiving accommodations is responsible for his or her educational and personal needs while enrolled at Doane University.</p>
Military Services	<p>https://www.doane.edu/graduate-and-adult/military</p>
Anti-Harassment Policy	<p>http://catalog.doane.edu/content.php?catoid=5&navoid=452</p>

Grade Appeal Process	http://catalog.doane.edu/content.php?catoid=5&navoid=238
Credit Hour Definition	Doane University follows the federal guideline defining a credit hour as one hour (50 minutes) of classroom or direct faculty instruction and a minimum of two hours of out-of-class student work each week for approximately fifteen weeks (one semester), or the equivalent amount of work over a different time period (e.g., an 8-week term). This definition applies to courses regardless of delivery format, and thus includes in-person, online, and hybrid courses (combination of in-person and online). It also applies to internship, laboratory, performance, practicum, research, student teaching, and studio courses, among other contexts.
Syllabus Changes	Circumstances may occur which require adjustments to the syllabus. Changes will be made public at the earliest possible time.
Doane Syllabus Addendum	Each student is responsible for being aware of the policies, resources, and expectations as specified in the Doane Syllabus Addendum located at https://www.doane.edu/Syllabus .