



DOANE
UNIVERSITY

SYLLABUS

Course Title	Statistics
Course Number	BUS 215
Number of Credits	3
Course Dates	10/15/18 - 12/15/18
Instructor	Kevin Turgeon
Email Address	kevin.turgeon@doane.edu
Office Hours/Availability	Available for out of office hours, schedule via email.
Phone Number	402.891.6600
Textbook Information: (e.g. title, edition, publisher, ISBN)	Even You Can Learn Statistics by David M. Levine and David F. Stephan, Pearson Prentice Hall, 2015, ISBN:0-13-338266-4
Additional Course Materials	Microsoft Excel

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.
Program Outcomes	Gain knowledge and understanding of basic statistical concepts and techniques. Be able to apply understanding of statistics to the determination of valid and invalid statistical inferences.
Course Learning Outcomes/Objectives	Upon completion of this class, students will be able to: 1) Collect a data set, identify the sampling method used, and recognize potential bias. 2) Describe a dataset with tabular, graphical, and numerical methods, 3) Test various hypothesis and construct confidence intervals, 4) Analyze, evaluate and interpret results. 5) Present data and results in a way that is concise, visually appealing, and imparts information to the reader.
Technology Requirements	https://www.doane.edu/faq/minimum-computer-requirements

Course Schedule

Week or Module	Topic	Content	Recommended Homework	Assessments Matched to Learning Outcomes

1	(e.g. What is economics?)	<p>Course overview and expectations</p> <p>Chapter 1: Fundamentals of Statistics</p> <p>Chapter 2: Presenting Data in Tables and Charts</p>	<p>Read Chapters 1 and 2 and work the problems at the end of each chapter</p>	
2		<p>Review chapters 1 - 2</p> <p>Chapter 3: Descriptive Statistics</p> <p>Chapter 4: Probability</p>	<p>Read chapters 3 and 4 and work the problems at the end of each chapter</p>	<p>Quiz/Test: Chapters 1 and 2</p>
3		<p>Review chapters 3 - 4</p> <p>Chapter 5: Probability Distributions</p> <p>Chapter 6: Sampling Distributions and Confidence Intervals</p>	<p>Read chapters 5 and 6 and work the problems at the end of the chapter</p>	<p>Quiz/Test: Chapters 3 and 4</p>
4		<p>Labor Day - No Class</p>		
5		<p>Review chapters 5 and 6</p> <p>Chapter 7: Fundamentals of Hypothesis Testing</p>	<p>Read chapters 7 and 8 and work the problems at the end of each chapter</p>	<p>Quiz/Test: Chapters 5 and 6</p>

		Chapter 8: Hypothesis Testing: Z and t Tests		
6		Review chapters 7 and 8 Chapter 9: Hypothesis Testing: Chi- Square Tests and the One-Way Analysis of Variance (ANOVA)	Read chapter 9 and work the problems that the end of the chapter	Quiz/Test: Chapters 7 and 8
7		Review chapter 9 Chapter 10: Single Linear Regression Chapter 11: Multiple Regression	Read chapters 10 and 11 and work the problems at the end of each chapter	Quiz/Test: Chapter 9
8		Review chapters 10 and 11 Chapter 12: Fundamentals of Analytics Chapter 13: Descriptive Analytics Chapter 14: Predictive Analytics	Read chapters 12, 13 and 14 and work the problems at the end of each chapter	Quiz/Test: Chapters 10 and 11
9		Course Review		Quiz/Test: Final Exam

Grading Assessments

Type of Assessment	Points	Total possible points
Weekly In-Class Quizzes	6 x 10 points each	60
In-Class Final Exam	1 x 40 points	40

Grade Scale (Grade scale will be program specific. Please check with the applicable Program Director for this information.)

A=90%-100%

B= 80-90%

C= 70-80%

D= 60-70%

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	(State your policy on timeliness of communicating with students and length of time needed before assignments will be graded, e.g. 48 hours.)
Academic Integrity Policy	New Academic Integrity Policy to be released AUTM 2018
Academic Support	Please contact academicsupport@doane.edu https://www.doane.edu/graduate-and-adult/academic-support
Disability Services	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. Please contact Chris Brady at chris.brady@doane.edu or 402-467-9031 for assistance.
Military Services	https://www.doane.edu/graduate-and-adult/military
Anti-Harassment Policy	http://catalog.doane.edu/content.php?catoid=5&navoid=452
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.

