



Course Syllabus

Course Information

BUS 215
Business Statistics
3 Credit Hours
WIN 2 2021 January 18 – March 13

Instructor Suzy Carter
Doane University

Contact Information

Office Hours: available on zoom by appointment
Email Address: suzy.carter@doane.edu
Phone: 402-310-0853 text only

Preliminary Class Plan and Topics

Please see the schedule provided in the course.

Communicating With the Instructor

This course uses a “three before me” policy in regards to student to faculty communications. When questions arise during the course of this class, please remember to check these three sources for an answer before asking me to reply to your individual questions:

1. Course syllabus
2. Announcements in Canvas
3. The “Question Center” discussion board

This policy will help you in potentially identifying answers before I can get back to you and it also helps your instructor from answering similar questions or concerns multiple times.

If you cannot find an answer to your question, please first post your question to the “Question Center” discussion board. Here your question can be answered to the benefit of all students by either your fellow students who know the answer to your question or the instructor. You are encouraged to answer questions from other students in the discussion forum when you know the answer to a question in order to help provide timely assistance.

If you have questions of a personal nature such as relating a personal emergency, questioning a grade on an assignment, or something else that needs to be communicated

privately, you are welcome to contact me via email or phone. My preference is that you will try to email me first. Please allow 24 hours for me to respond to emails Monday-Friday and 48 hours on the weekend.

If you have a question about the technology being used in the course, please contact the Doane University Help Desk for assistance (contact information is listed below).

Course Catalog Description

BUS 215 - Business Statistics (3)

An introductory course in statistical procedures with applications to business, economics, and accounting. Students successfully completing this course will be able to: 1) understand sampling methodology and bias when collecting data, 2) conduct descriptive analysis of a dataset with tabular, graphical, and numerical methods, 3) conduct inferential analysis using probability, hypothesis testing, and confidence intervals, and 4) scrutinize and interpret results, draw meaningful conclusions and express this information in concise and informative way.

Course Prerequisites

Course Textbook and Materials

Required

Text: Basic Statistics for Business and Economics, 9th Edition, By Douglas Lind and William Marchal and Samuel Wathen, Copyright: 2019

Ebook rental: ISBN10: 1260501671 | ISBN13: 9781260501674

Textbook rental ISBN10: 1260187500 | ISBN13: 9781260187502

Required Technology

Microsoft Excel

Learning Objectives

Learning Outcomes:

- 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) scrutinize and interpret results and draw meaningful conclusions, and
- 5) present your data and results in a way that is concise, visually appealing, and provides information to the reader

Unit	Learning Outcomes	Readings	Assessments	Assignments
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1	<ol style="list-style-type: none"> 1. describe a dataset with tabular, graphical, and numerical methods (CO 2) 2. present your data and results in a way that is concise, visually appealing, and provides information to the reader (CO5) 3. define basic statistical terminology 4. identify data types and appropriate levels of analysis for each (CO1) 5. understand the components of the analysis process (CO1) 	Chapter 1 and 2	Exam and excel exercises	Self Introduction Study guide Practice problems Journal Discussion board
2	<ol style="list-style-type: none"> 1. Compute and accurately interpret measures of center (CO4) scrutinize and interpret results and draw meaningful conclusions (CO4) 2. present your data and results in a way that is concise, visually appealing, and provides information to the reader (CO5) 3. Conduct and interpret measures of center for various data types 	Chapter 3 up to page 68	Exam and excel exercises	Study guide Practice problems Journal Discussion board
3	<ol style="list-style-type: none"> 1. Compute and accurately interpret measures of dispersion and association (CO4) scrutinize and interpret results and draw meaningful conclusions (CO4) 2. present your data and results in a way that is concise, visually appealing, and provides information to the reader (CO5) 3. Conduct and interpret measures of dispersion for various data types 	Chapter 3 page 68 to end Chapter 4 up to page 105	Exam and excel exercises	Study guide Practice problems Journal Discussion board

4	<ol style="list-style-type: none"> 1. Calculate various probabilities (CO4) 2. Analyze various probability distributions and the apply them accurately 3. present your data and results in a way that is concise, visually appealing, and provides information to the reader (CO5) 	Chapter 5,6 and 7	Exam and excel exercises	Study guide Practice problems Journal Discussion board
5	<ol style="list-style-type: none"> 1. Accurately calculate intervals for various data types (CO4) 2. scrutinize and interpret results and draw meaningful conclusions (CO4) 3. present your data and results in a way that is concise, visually appealing, and provides information to the reader (CO5) 4. Conduct and interpret confidence intervals for various data types 	Chapter 8 and 9	Exam and excel exercises	Study guide Practice problems Journal Discussion board
6	<ol style="list-style-type: none"> 1. test various hypothesis (CO3) 2. scrutinize and interpret results and draw meaningful conclusions (CO4) 3. present your data and results in a way that is concise, visually appealing, and provides information to the reader (CO5) 4. Conduct and interpret hypothesis tests for various data types 	Chapter 10 and 11	Exam and excel exercises	Study guide Practice problems Journal Discussion board
7	<ol style="list-style-type: none"> 1. Conduct tests of correlation (CO4) 2. scrutinize and interpret results and draw meaningful conclusions (CO4) 	Chapter 4 from page 105 to end Chapter 13 up to page 389	Exam and excel exercises	Study guide Practice problems Journal Discussion board

	3. present your data and results in a way that is concise, visually appealing, and provides information to the reader (CO5) 4. Conduct and interpret correlations for various data types			
8	<ul style="list-style-type: none"> collect a data set, identify the sampling method used, and recognize potential bias (CO1), describe a dataset with tabular, graphical, and numerical methods (CO2), test various hypothesis and construct confidence intervals (CO3), scrutinize and interpret results and draw meaningful conclusions (CO4), and present your data and results in a way that is concise, visually appealing, and provides information to the reader (CO5) 	none	Final Project	Journal Discussion Board

Course Requirements

Online Course

This is an online course and there will not be any face-to-face class sessions. All assignments and course interactions will utilize internet technologies. You must have a reliable internet connection throughout the duration of the course.

This course uses Canvas for the facilitation of communication between faculty and students, submission of assignments, and posting of grades. The Canvas Course Site can be accessed at <https://doane.instructure.com>

Attendance in an online course means logging into the Canvas on a regular basis and participating in all of the activities that are posted in the course. In addition, check your Doane University email account regularly, as your instructor may send important information via email.

Attendance/Participation

Doane University expects active participation by a student in a course, whether the course is on-ground or online. A student is expected to be prompt and regularly attend on-ground classes in their entirety. Regular engagement is expected for online courses.

You should plan to work on this course everyday. This is a condensed, fast-paced, course. Expect to spend approximately 18 hours a week preparing for and actively participating in this 8-week course.

Class Preparation

Preparation for class means reading the assigned readings and reviewing all information required for that week.

Computer Requirements

For the successful use of Canvas please refer to Doane University's [minimum computer requirements](#). This also includes:

- Reliable computer and internet connection
- A web browser (Chrome or Mozilla Firefox)
- Adobe Acrobat Reader (free)
- Word processing software—Microsoft Word or Google Docs
- Webcam and mic

Campus Network or Canvas Outage

When access to Canvas is not available for an extended period of time (greater than one entire evening - 6pm till 11pm) you can reasonably expect that the due date for assignments will be changed to the next day (assignment still due by midnight).

Drop and Add Dates

If you feel it is necessary to withdraw from the course, please contact your advisor for full details on the types of withdrawals that are available and their procedures.

Federal requirements state that students must complete 75% of the course work to be eligible to receive an incomplete for the course. If students fall more than two weeks behind, they cannot meet this requirement.

Academic Integrity

Fundamental to our mission, our core values, and our reputation, Doane University adheres to high academic standards. Students of Doane University are expected to conduct themselves in a manner reflecting personal and professional integrity. Disciplinary actions may be taken against students whose academic behavior is not congruent with the expectations of the University. Students are responsible for adhering to the standards detailed in this policy. Not being familiar with these standards does not mean that the students will not be accountable for adherence to them. Additional details on the Academic Integrity policy for violating academic integrity are published in the undergraduate and graduate catalogs.

[http://catalog.doane.edu/content.php?catoid=18&navoid=1448#Academic Dishonesty](http://catalog.doane.edu/content.php?catoid=18&navoid=1448#Academic_Dishonesty)

Course Grading

Submitting Assignments

All assignments, unless otherwise announced by the instructor, must be submitted via Canvas. Each assignment will have a designated place to submit the assignment. All material, assignments, and deadlines are subject to change with prior notice. It is your responsibility to stay in touch with your instructor and review the course site regularly to learn about changes to assignments or due dates.

Grading Scale

Assignment of letter grades is based on a percentage of points earned. The letter grade will correspond with the following percentages achieved. All course requirements must be completed before a grade is assigned.

A	100 – 90
B	89 – 80
C	79 – 70
D	69 – 60
F	59 and below

Grading Scheme

Types of assignment/assessment	Points per assignment/assessment	Number of assignments/assessments	Total
Self Introduction			
Study Guide	10	8	80
Practice Problems	10	7	70
Journal	20	8	160
Discussion Boards	40	8	320
Exams	20	7	140
Excel Exercise	20*	7	140
Final Project	100	1	100
Total			1010

*Sometimes the excel exercises and the exam are combined

Late or Missed Assignments

All assignments must be completed and turned in to finish the course. Unless you discuss a late assignment with your instructor prior to the assignment due date, your assignment will lose 20% each day it is late.

Students are required to complete 75% of the course material in order to receive credit for the course. If students fall more than two weeks behind, they cannot meet this requirement and will receive a withdrawal (W) for the course if this occurs within the first four weeks of the course. If this happens after the fourth week students will receive an F for the course.

Feedback

Please allow 1-3 days for feedback on assignments. Please review instructor feedback for assignments and assessments, this will help you reflect on what you have learned while receiving suggestions for improvement.

Technical Support

If you are in need of technical assistance please access the [Self Service Portal](#). You may reach the help desk at 402-826-8411 or by email at helpdesk@doane.edu.

Accessibility Statement

In compliance with the Rehabilitation Act of 1973, Section 504, and the Americans with Disabilities Act of 1990, professional disability specialists and support staff at Doane University facilitate a comprehensive range of academic support services and accommodations for qualified students with disabilities. Doane University staff coordinate student transitions from high schools and community colleges, conduct in-service training for faculty and staff, enable the resolution of accessibility issues, conduct community outreach, and facilitate collaboration among Doane University staff on disability policies, procedures, and accommodations.

Disability Services

[Doane University's Disability Services Office](#) will provide guidance on accommodations and universal access. To request accommodations please complete the [Self-Identification Form](#) and visit the website for additional information.

Academic Support

Doane offers a range of academic support services for students.

For students taking courses online or for our Non-Residential students:
<https://www.doane.edu/graduate-and-adult/academic-support>

For students taking courses on our Crete campus:
<https://www.doane.edu/students/resources/academic-support>

Title IX Requirements: Mandatory Reporting

At Doane, all university employees, including faculty, are considered Mandatory Reporters. As a Mandatory Reporter, I am required to report incidents of sexual misconduct and relationship violence to the Title IX Coordinator and, thus, cannot guarantee confidentiality. This means that if you tell me about an incident of sexual harassment, sexual assault, domestic violence, dating violence, stalking and/or other forms of prohibited discrimination, I have to share the information with the University's Title IX Coordinator. My report does not mean that you are officially reporting the incident. This process is in place to ensure you have access to and are able to receive the support and resources you need. For additional information, including confidential resources, please visit the [Campus Advocacy, Prevention, and Education \(CAPE\) Project](#).

Instructional Technology Accessibility and Privacy Policies

If your course uses additional technology tools, information on the [technology's accessibility and privacy is available on our website](#).

Syllabus Disclaimer

The instructor and Doane University views the course syllabus as an educational contract between the instructor and students. Every effort will be made to avoid changing the course schedule but the possibility exists that unforeseen events will make syllabus changes necessary. The instructor reserves the right to make changes to the syllabus as deemed necessary. Students will be notified in a timely manner of any syllabus changes via email or in the course site Announcements. Please remember to check your Doane University email and the course site Announcements often.

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>