



DOANE
UNIVERSITY

SYLLABUS

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| Course Title | Business Statistics |
| Course Number | BUS 215 |
| Number of Credits | 3 |
| Course Dates | 8/17/2020-10/10/2020 |
| 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. https://Southeast.zoom.us/j/7574182460 Meeting ID: 757 418 2460 |
| Phone Number | 402-580-1715 (call or text) |
| Textbook Information: (e.g. title, edition, publisher, ISBN) | Lind, D., Marchal, W., & Wathan, S. (2019). <i>Statistics for Business and Economics</i> . McGraw-Hill Irwin. New York, NY. Ninth edition |
| 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, |

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| | estimation, correlations, contingency tables, one-way analysis of variance and linear regressions. |
| Program Outcomes | <ol style="list-style-type: none"> 1. Develop critical thinking and problem solving skills in various business environments. 2. Develop students' decision-making ability involving business ethics and corporate social responsibility. 3. Enhance students' ability to analyze and effectively communicate information. 4. Cultivate students' teamwork and collaborative skills. |
| Course Learning Outcomes/Objectives | <p>Upon completion of this class, students will be able to</p> <ul style="list-style-type: none"> • CO 1) collect a data set, identify the sampling method used, and recognize potential bias; • 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. |

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| 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 |
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| Week/Mod 1 | Introduction Vocabulary Sampling | Chapter 1 | Homework Quiz Handouts in Class | Due night before next class at 11:55pm |
| Week/Mod 2 | Displaying Data | Chapter 2 | Homework Quiz Handouts in Class | Due night before next class at 11:55pm |
| Week/Mod 3 | Measure of Center and Measures of Dispersion | Chapter 3 and 4 | Homework Quiz | Due night before next class at 11:55pm |

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| | | | Handouts in Class | |
| Week/Mod 4 | The Normal Curve and Probability | Chapter 5 and 6 | Homework Quiz Handouts in Class | Due night before next class at 11:55pm |
| Week/Mod 5 | Z-Scores and Probability using the Normal Curve | Chapter 7 and 8 | Homework Quiz Handouts in Class | Due night before next class at 11:55pm |
| Week/Mod 6 | Confidence Intervals and t-tests Hypothesis Testing | Chapter 9 and 10 | Homework Quiz Handouts in Class | Due night before next class at 11:55pm |
| Week/Mod 7 | Two Sample Tests Correlation | Chapter 11 and 13 | Homework Quiz Handouts in Class | Due night before next class at 11:55pm |
| Week/Mod 8 | Final Project/Presentations | Final Project | Homework Quiz Handouts in Class | Due night before next class at 11:55pm |

Grading Assessments

| Type of Assessment | Points | Total possible points |
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| Homework assignments | Each homework assignment is graded on a 100% scale | Homework is worth 25% of your grade. |
| Quizzes | Each quiz is graded on a 100% scale | Quiz average is 25% of the final grade |
| Handouts in Class | Each week we will complete problems in class. Graded on a 100% scale. | Handouts are worth 25% of your final grade. |
| Final Project | This project is 100% | The project is 25% of the final grade |

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

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| Participation Policy | 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. |
| Study Time | 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. |
| Late Work | 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. |

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| Submitting Assignments | 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 Canvas site regularly to learn about changes to assignments or due dates. |
| Communication Policy including Assignment Feedback | |
| 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:</p> <p>https://catalog.doane.edu/content.php?catoid=16&navoid=1333</p> |
| Academic Support | <p>Please contact academicsupport@doane.edu</p> <p>https://www.doane.edu/graduate-and-adult/academic-support</p> |

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| 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. |
| 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. |
| 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 . |

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 (ADA), Doane University is committed to providing accessible programs and services to all students. For more information, please contact the Accessibility Services Office at access@doane.edu.

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

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