

University of North Texas at Dallas
Fall 2025
DISTANCE EDUCATION SYLLABUS

DSCI 2305-0072: BUSINESS STATISTICS I – 3 credit hrs.

Department of	School of Business
Instructor Name	Jasook Kwon, Ph.D.
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Email Address	Jasook.kwon@untdallas.edu
Office Hours	N/A
Virtual Office Hours	11:00am-1:00pm, Wednesdays at Zoom module of Canvas (or use the link in the reminder announcement).
Course Format/Structure	100% Online via Canvas
Classroom Location	N/A
Class Meeting Days & Times	N/A
Course Catalog Description	Descriptive and inferential statistics for business decision making. Topics include description and analysis summary of data, probability and random variables, common distributions, hypothesis testing, estimation and confidence intervals, linear regression, correlation, and computer software approaches.
Prerequisites	MATH 1324
Corequisites	N/A
Required Text and Software	<p>"Discovering Business Statistics", 2nd Edition by Q.J. Nottingham and J. S. Hawkes</p> <p><u>The "access code" for the bundle of [software +eBook] is required.</u></p> <p>Where to purchase--- Check "Hawkes Learning System" module in the course Canvas. Check it on the first day of semester (Canvas for UNTD will not be accessible earlier than Monday, Aug.25, 2025 the first day of this semester).</p> <p>If you need a paper version textbook, it is available in the university bookstore. Paper textbook is optional. Paper</p>

	<p>textbook may replace eBook but cannot replace the software which is required for your assignments.</p> <p>ISBN:</p> <p>Access code for [software + eBook]: 978-1-642772-99-9</p> <p>Access code for [software + eBook] & Paper book: 978-1-642775-10-5</p> <p>Paper book only: 978-1-642775-11-2</p> <p>Microsoft Excel 2017 or newer version (Office 365)</p>
Access to Learning Resources	<p>UNT Dallas Library: Phone: (972) 338-1616; Website URL: http://www.untdallas.edu/library</p> <p>UNT Dallas Bookstore: Phone: (972) 780-3652; Website URL: http://www.untdallas.edu/bookstore Email: untdallas@bkstr.com</p>
Canvas Resources	<p>Canvas Help for Students:</p> <p>Browser and Computer Requirements for Canvas: https://community.canvaslms.com/t5/Canvas-Basics-Guide/What-are-the-browser-and-computer-requirements-for-Instructure/ta-p/66</p> <p>Access Canvas via untdallas.instructure.com</p> <ul style="list-style-type: none"> • Username: your EUID # • Password: your password <p>Canvas 24/7 Phone Support for Students: 1-833-668-8634</p> <p>Canvas Help Resources:</p> <p>Web: Canvas Student Guide</p> <p>Contact Distance Learning & Instructional Technology (DLIT) Email: distancelearning@untdallas.edu</p>

Course Overview

Course Goals/Overview:

This course is designed and required for all business majors. A non-calculus approach to statistical analysis that utilizes computer-based learning tools and focuses on applied spreadsheet applications as well as the broader, strategic, and ethical ramifications of strategic analysis.

Learning Objectives/Outcomes:

At the end of this course, the student will

1. Describe foundation and principles of Statistics.
2. Use spreadsheets for statistical problem solving.
3. Compute and interpret descriptive statistics, data visualizations, conclusions, measures of location, measures of dispersion, probability, expected values, discrete and continuous probability distributions, confidence intervals, well-formed hypotheses, correlation, and simple linear regression in business problems.
4. Discuss statistical conclusions for appropriateness, content, and best practices.
5. Interpret statistical solutions within a broader framework, both strategic and ethical.

Distance Education Course Outline and Discussion Topics

This schedule is subject to change by the instructor. Any changes to this schedule will be communicated in class or via class email or Canvas announcement. Check the table on the next page.

(next page)

Schedule	Topic	Activities	Due time* (11:55pm, Central Time of the specified due date) D: Discussion Hawkes: lesson certification of the week
Week 1 8/25 ~ 8/31	Syllabus Statistic Terminology Chapters 1 and 2	Discussion 1 Hawkes lessons: 1.3; 2.2(Bonus); 2.3	D1 by Aug. 31. Hawkes by Sep.7
Week 2 9/1 ~ 9/7	Statistical Visualization Measures of Location Chapters 3 and 4	Discussion 2 Hawkes lessons:3.1(Bonus); 3.2; 3.3; 3.4; 4.1	D2 by Sep. 7 Hawkes by Sep. 14
Week 3 9/8 ~ 9/14	Measures of Dispersion Measures of Relative Position Chapter 4	Discussion 3 Hawkes lessons: 4.2; 4.3	D3 by Sep.14 Hawkes by Sep. 21
Week 4 9/15 ~ 9/21	Probability & Random Variables Chapter 5	Discussion 4 Hawkes lessons: 5.1; 5.2; 5.3; 5.4	D4 by Sep.22 Hawkes by Oct. 5
Week 5 9/22 ~ 9/28	Review & Exam 1 (chapters 1 ~ 4)	No discussion	Exam 1 by Sep. 28.
Week 6 9/29 ~ 10/5	Discrete Probability Distribution Chapter 6	Discussion 5 Hawkes lessons 6.2; 6.4	D5 by Oct. 5 Hawkes by Oct. 12
Week 7 10/6 ~ 10/12	Continuous Random Variables Chapter 7	Discussion 6 Hawkes lessons 7.2; 7.4	D6 by Oct. 12 Hawkes by Oct.19
Week 8 10/13 ~ 10/19	Sampling Distribution Chapter 8	Discussion 7 Hawkes lesson 8.2	D7 by Oct. 19 Hawkes by Nov. 2
Week 9 10/20 ~ 10/26	Review & Exam 2 (Chapters 5~7)	No discussion	Exam 2 by Oct. 26

Week 10 10/27 ~ 11/2	Confidence Intervals Chapter 9	Discussion 8 Hawkes lessons 9.1; 9.2	D8 by Nov. 2 Hawkes by Nov. 9
Week 11 11/3 ~ 11/9	Hypothesis Testing Chapter 10	Discussion 9 Hawkes lessons 10.1(Bonus); 10.2	D9 by Nov. 9 Hawkes by Nov. 16
Week 12 11/10 ~ 11/16	Bivariate Analysis: Correlation & Simple Linear Regression Chapters 4.7 & 13	Discussion 10 (the last one) For chapters 4.7 & 13 in Canvas, 1. Study content 2. Practice Excel applications	D10 by Nov. 16
Week 13 11/17 ~ 11/23	Review & Exam 3 (Chapters 8~10)	No discussion	Exam 3 by Nov. 23
Week 14 11/24 ~ 11/30	Final Project Thanksgiving (Nov. 27)	Review Week 12 content and check Week 14 <u>Final Project module</u> of the course Canvas.	
Week 15 12/1 ~ 12/7	Finish Final Project		Final Project by 11:55pm, Tuesday, Dec. 9
Week 16 12/8 ~ Saturday 12/13	Final Project Wrap-up	Submit Final Project. Submit overdue Hawkes certificates. SATURDAY, Dec. 13 is the LAST day of this semester.	Final Project by 11:55pm, <u>Tuesday</u> , Dec. 9 Overdue Hawkes certificates by <u>Saturday</u> , Dec. 13, 2025.

Due time: 11:55pm, Central time (your location does not matter) of the due date.

Overdue certificates of Hawkes lesson are accepted with 20% penalty by 11:55pm, SATURDAY, Dec. 13, 2025. All the other assignments, exams, and final project should be submitted by the original due time specified above.

Last day to drop (course will not appear on your transcript): Sep. 10

Withdrawal deadline:

Grade W will be assigned. Written consent of instructor is required--- Sep.11 ~ Nov. 7

Last day to withdrawal of ALL courses ----- Nov. 21

Course Evaluation Methods

This course will utilize the following instruments to determine student grades and proficiency of the learning outcomes for the course. This internet course is not a self-paced course. There are scheduled dates for each lesson and exam, therefore, timely participation is critical for your successful completion of this internet course.

Check your weekly module in course Canvas. Everything is in the weekly module: all evaluation links for the week are installed within the weekly module.

Discussions

This is a weekly activity. Discussion topics or questions are usually regarding the previous week's content. Questions/topics are about basic concepts or terms from the previous week's content. One week past its original due date, each topic is permanently closed. You can read others' postings after you post yours. Please post your final answer at your first reply(posting). Then, you can see others' postings. Your first posting will be graded. If your first posting is empty, you will get 0 points for the discussion. During the semester, ten discussions will be posted. There will be no discussion to post in the exam weeks. You can check the discussion schedule from Activity Timeline on pages 2&3 of this syllabus.

Lesson Certifications of Hawkes Learning System (HLS)

1. Hawkes Learning System is synched into our Canvas course page. Each weekly module of Canvas has Hawkes lesson link for the week. You can just start there right away.
2. The first time you click on a Hawkes link, your "temporary" account will be automatically activated, and your work will be transferred to your permanent Hawkes account when you purchase your access code.
3. To activate your permanent account, check the first line, "Single Sign On" of Hawkes Learning System Module, or click red "Activate" button after you click any lesson link in the weekly module. There, you can purchase your access code. Your work done in your temporary account will be saved and transferred to your permanent account.

4. I discourage you from creating an account with your personal email addresses through Hawkes' website. This causes you to have 2 accounts. If you work through Hawkes website outside course Canvas, you should access Hawkes Learning System module in the Canvas and reach out to HLS's Technical Support Team to request merging your accounts to our Canvas LMS.
5. Once you enter a Hawkes lesson link on Canvas weekly module, each lesson shows three parts: Learn, Practice, and Certify.
 - Learn: click "watch" for a short video synopsis of the lesson. The written content of this part is a copy of the textbook.
 - Practice: the format of the problems is same as that of certify part.
 - Certify: You can try as many times as you need until you pass this section.
6. If you wish to check the entire eBook (beyond text of "Learn" section), please click "eBook" at the top, the dark grey ribbon of your Hawkes Learning System page (which is outside of specific lesson's Learn section).
7. There are 20 "required" lessons and 3 bonus lessons (#2.2; 3.1; 10.1) in Hawkes. When you certify a lesson by the original due date, 20 points will be given. Points from bonus lesson certifications will be added to your total points as extra credits.
8. Overdue certification of Hawkes lesson is accepted at 20% penalty ("overdue" means "after the original due date through 11:55pm, Dec. 13, 2025). No overdue certification submission will be accepted after 11:55pm. central time, Saturday, Dec. 13, 2025..

Exams

This course has three on-line exams, and all exams will be included in your grade. Exam link will be available in the weekly module of Canvas in the exam week.

Makeup exam will NOT be offered unless it is a documented emergency (See Student Handbook).

Final Project

Instructor will post a problem file and a structured data file to the Canvas week 14 module. Download and save both problem file and data file. You will work on them. You are supposed to analyze the data, save analysis output, interpret your output, and answer the problems. You will post both files back on the Canvas and your files will be graded. Please do not email your files. All coursework communication (submission, grading, and feedback) of this 100% internet course should stay within the Canvas, following distance learning regulations.

Grading Matrix:

Instrument	Value (points or percentages)	Total
Hawkes Lesson Certifications	20 lessons at 20 points each (Check bonus lessons for extra credits)	400
Discussions	10 discussions at 10 points each	100
Exams	3 exams at 100 points each	300
Final Project	100	100
Total		900

Grade Determination:

Letter Grade Determination:

A: 810 points or higher B: from 720 to 809 points C: from 630 to 719 points D: from 540 to 629 points F: 539 points or lower

Need tutoring services or just some help with a particular assignment? For tutoring that empowers students to achieve success, schedule an appointment with the Learning Commons today at <https://www.untDallas.edu/learning/schedule-appointment/>.

Course-Specific Policies**Attendance and Participation Policy:**

The University attendance policy is in effect for this course. Please refer to Policy 7.005 Student Attendance at <https://untsystem.policytech.com/dotNet/documents/?docid=1347&public=true>.

Assignment Policy: Acceptance of overdue submission at 20% penalty is only for Hawkes lesson certifications. All the other assignments and exams must be submitted by the due dates.

Exam Policy: This course has three on-line exams, and all exams will be included in your grade. Exam link will be available in the weekly module of Canvas in the exam week.

Makeup exam will NOT be offered unless it is a documented emergency (See Student Handbook).

Exams should be taken as scheduled. No makeup examinations will be allowed except for documented emergencies

University Policies and Procedures

Students with Disabilities (ADA Compliance):

The University of North Texas at Dallas makes reasonable academic accommodations for students with disabilities. Students seeking accommodation must first register with the Disabilities Services Office (DSO) to verify their eligibility. If a disability is verified, the DSO will provide you with an accommodation letter to be delivered to faculty to begin a private discussion regarding your specific needs in a course. You may request accommodation at any time; however, DSO notices of accommodation should be provided as early as possible in the semester to avoid any delays in implementation. Note that a student must obtain a new letter of accommodation for every semester and must meet/communicate with each faculty member prior to implementation in each class. Students are strongly encouraged to deliver letters of accommodation during faculty office hours or by appointment. Faculty members have the authority to ask students to discuss such letters during their designated office hours to protect the privacy of the student. For additional information see the Disability Services Office website at <http://www.untDallas.edu/disability>. You may also contact them by phone at 972-338-1777; by email at UNTDisability@untDallas.edu on the first floor of the Student Center.

Canvas Instructure Accessibility Statement:

University of North Texas at Dallas is committed to ensuring that online and hybrid courses are usable by all students and faculty including those with disabilities. If you encounter any difficulties with technologies, please contact our ITSS Department. To better assist them, you would want to have the operating system, web browser and information on any assistive technology being used. The Canvas Instructure Accessibility Statement is provided at <https://www.canvaslms.com/accessibility>.

NOTE: Additional instructional technology tools, such as Turnitin, Respondus, Panopto, and publisher cartridge content (i.e. MyLab, Pearson, etc.) may NOT be fully ADA compliant. Please contact our Disability Office should you require additional assistance utilizing any of these tools.

Academic Integrity:

Academic integrity is a hallmark of higher education. You are expected to abide by the University's code of Academic Integrity policy. Any person suspected of academic dishonesty (i.e., cheating or plagiarism) will be handled in accordance with the University's policies and procedures. Refer to the UNT Dallas Academic Integrity Policy in the appropriate Catalog at <http://dallascatalog.unt.edu>.

Academic dishonesty includes, but is not limited to, cheating, plagiarizing, fabrication of information or citations, facilitating acts of dishonesty by others, having unauthorized possession of examinations, submitting work of another person or work previously used without informing the instructor, or tampering with the academic work of other students.

In this course, every element of assignments and exams should be fully prepared by the student. The use of generative AI tools (such as Chat GPT) for any part of your graded work will be treated as plagiarism. If you have questions, please contact me.

Classroom etiquette:

Students are encouraged to contribute their perspectives and insights to class discussions. However, offensive & inappropriate language (swearing) and remarks offensive to others of particular nationalities, ethnic groups, sexual preferences, religious groups, genders, or other ascribed statuses will not be tolerated. Disruptions which violate the Code of Student's Rights, Responsibilities, and Conduct will be referred to the Dean of Students as the instructor deems appropriate (UNT Policy 7.001 found at <https://untsystem.policytech.com/dotNet/documents/?docid=1278&public=true>).

Online Attendance and Participation:

The University attendance policy is in effect for this course. Class attendance in the Canvas classroom and participation is expected because the class is designed as a shared learning experience, and because essential information not in the textbook will be discussed in the discussion board. Online presence and participation in all class discussions is essential to the integration of course material and your ability to demonstrate proficiency.

Attendance for this online or hybrid course is considered when you are logged in and active in Canvas, i.e., posting assignments, taking quizzes, or completing Discussion Boards. To maintain financial aid award eligibility, activity must occur before the census date of the session or term of the course. Refer to [UNT Dallas' Registrar](#) for specific dates. If you are absent/not active in the course shell, it is YOUR responsibility to let the instructor know immediately, upon your return, the reason for your absence if it is to be excused. All instructors must follow university policy 7.005 covering excused absences; however, it is the instructor's discretion, as outlined in the course syllabus, of how unexcused absences may or may not count against successful completion of the course.

Classroom Disruption:

Students are expected to engage with the instructor and other students in this class in a respectful and civil manner at all times to promote a classroom environment that is conducive to teaching and learning. Students who engage in disruptive behavior will be directed to leave the classroom. A student who is directed to leave class due to disruptive behavior is not permitted to return to class until the student meets with a representative from the Dean of Students Office. It is the student's responsibility to meet with the Dean of Students before class meets again and to provide the instructor confirmation of the meeting. A student who is directed to leave class will be assigned an unexcused absence for that class period and any other classes the student misses as a result of not meeting with the Dean of Students. The student is responsible for material missed during all absences and the instructor is not responsible for providing missed material. In addition, the student will be assigned a failing grade for assignments, quizzes or examinations missed and will not be allowed to make up the work.

The Code of Student's Rights, Responsibilities, and Conduct (UNT Policy 7.001 found at <https://untsystem.policytech.com/dotNet/documents/?docid=1278&public=true>) describes disruption as the obstructing or interfering with university functions or activity, including any behavior that interferes with students, faculty, or staff access to an appropriate educational environment. Examples of disruptive behavior that may result in a student being directed to leave the classroom include but are not limited to: failure to comply with reasonable directive of University officials, action or combination of actions that unreasonably interfere with, hinder, obstruct, or prevents the right of others to freely participate, threatening, assaulting, or causing harm to oneself or to another, uttering any words or

performing any acts that cause physical injury, or threaten any individual, or interfere with any individual's rightful actions, and harassment. You are encouraged to read the Code of Student's Rights, Responsibilities, and Conduct for more information related to behaviors that could be considered disruptive.

Course Evaluations:

Student's evaluations of teaching effectiveness are a requirement for all organized classes at UNT Dallas. This short survey will be made available to you at the end of the semester via your campus email, providing you a chance to comment on how this class is taught. I will not have access to the results of the evaluations until after final grades have posted. I am very interested in the feedback I get from students, as I work to continually improve my teaching. I consider students' evaluations to be an important part of your participation in this class.

Bad Weather Policy:

Campus facilities will close, and operations will be suspended when adverse weather and/or safety hazards exist on the UNTD campus or if travel to the campus is deemed dangerous as the result of ice, sleet or snow. In the event of a campus closure, the Marketing and Communication Department will report closure information to all appropriate major media by 7 a.m. That department will also update the UNTD website, Facebook and Twitter with closing information as soon as it is possible. For more information please refer to <http://www.untDallas.edu/police/resources/notifications>.

Inclement Weather and Online Classes:

Online classes may or may not be affected by campus closures due to inclement weather. Unless otherwise notified by your instructor via e-mail, online messaging, or online announcement, students should assume that assignments are due as scheduled.

Technology Assistance: To successfully access the materials in an online or hybrid course, UNT Dallas advises that your computer be equipped with the minimum system requirements listed on the first page of the syllabus.

Browser and computer requirements for Canvas:

<https://community.canvaslms.com/t5/Canvas-Basics-Guide/What-are-the-browser-and-computer-requirements-for-Instructure/ta-p/66>