



Course Syllabus: Accounting Analytics

Dillard College of Business Administration

ACCT 5713-X20

Spring 2026

Contact Information

Instructor: Dr. Lin Wang

Office: Dillard Building 277

Office hours: Monday/Wednesday 9:30 - 11 a.m., Tuesday 1 – 3 p.m.,
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Course Description

This class examines accounting data using data science or data analytics tools to help answer accounting-related questions. The course focuses on developing data analysis skills using various tools utilized in contemporaneous accounting practice and will adapt to changes in the accounting environment. The course will utilize projects from a broad range of accounting and auditing questions.

Prerequisite(s): ACCT 3043 and ACCT 4063

Textbook & Instructional Materials

Required: Connect Access and Textbook for Richardson, Teeter, and Terrell, Data Analytics for Accounting, 3rd edition, McGraw-Hill.

Required digital materials for this course are part of the Courseware Access and Affordability Program at MSU Texas. Students are charged for required course materials on their student account with the Business Office. Any students who wish to opt-out of the Program and purchase the required course materials on their own must do so prior to the deadline provided by the bookstore. Opt-out instructions are sent to students' official my.msutexas.edu email address after the first day of class. Please contact the MSU Bookstore if you have any questions about the opt-out process.

Use this [link](#) to register on Connect and complete the assignments online.

Access to Tableau Prep Builder and Tableau Desktop software is required for this course. The instructor will provide each student a license key to use on their personal computer.

Learning Goals

Data has proliferated in business and managers and accountants need to understand the implications for decision-making and tap into the data to provide better insights into a firm/client/customer/supplier, etc. This course is intended to provide students with an understanding of data analytic thinking and terminology as well as hands-on experience with data analytics tools and techniques. Students should leave this course with the skills necessary to translate accounting and business problems into actionable proposals that they can competently present to managers and data scientists. While there will be some use of tools in this course, the focus of this class is on concepts, not algorithms or statistical math.

Study Hours and Tutoring Assistance

There is no tutor for this class. Students are encouraged to email the instructor and come to office hours if they need tutoring assistance.

Student Handbook

Refer to: [Student Handbook](#)

Academic Misconduct Policy & Procedures

Academic Dishonesty: Cheating, collusion, using any form of AI tools for assignments and exams, and plagiarism (the act of using source material of other persons, either published or unpublished, without following the accepted techniques of crediting, or the submission for credit of work not the individual's to whom credit is given).

The minimum penalty is an "F" in this course and referral to the Dean of Students for disciplinary action, which may result in expulsion from the University.

Additional guidelines on procedures in these matters may be found in the Office of Student Conduct.

[Office of Student Conduct](#)

Moffett Library

Moffett Library provides resources and services to support student's studies and assignments, including books, peer-reviewed journals, databases, and multimedia materials accessible both on campus and remotely. The library offers media equipment checkout, reservable study rooms, and research assistance from librarians to help students effectively find, evaluate, and use information.

Get started on this [Moffett Library webpage](#) to explore these resources and learn how to best utilize the library.

Grading

Grading and evaluation for this course will be assigned as follows:

Table 1: Points allocated to each assignment

Assignments	Points
Connect Labs (15*16 points)	240
Connect Homework (9*5 points)	45
Connect SmartBook (9*5 points)	45
Midterm Exam	100
Final Project and Presentation	70
Total Points	500

Your score in this class will be based on the points you earn out of the maximum 500 points. Minimum letter grades for this course will be assigned according to the table below.

Table 2: Total points for final letter grade.

Letter Grade	Total Points Earned
A	450 - 500
B	400 - 449
C	350 - 399
D	300 - 349
F	0 - 299

Homework

Connect SmartBook Assignments (Pre-chapter assessments): You have to complete assigned pre-chapter reading and practice on Connect SmartBook prior to listening to the video lecture over that chapter. Due dates are available on Connect. The pre-chapter assessments allow you to read the chapter in the most efficient and productive manner by specifically providing the most important material to you at the time you are studying. It is a personalized system and helps prepare you to learn at a higher level in class, participate and also prepares you for exams. Each pre-chapter assessment will take approximately 30 minutes, though there is no time limit, and it involves reading key areas of the chapter while demonstrating mastery of the concepts in Connect. Your score on these is based on completion and you are not scored lower for incorrect answers, you are only asked to work on each module until it is 100% complete. Late completion receives a grade of zero.

Connect Homework Assignments: All of your homework assignments are due via Connect by the date and time on Connect (may be different from the syllabus).

Monitor due dates and times for homework carefully. Late completion will receive a grade of zero. You will have unlimited attempts at online homework problems, so submit your homework each time you work on it. Note that any website, including Connect, can go down from time to time. Do not wait until the last minute to submit your assignment.

Connect Labs: You will be given a set of tasks to complete, documenting your process and interpreting the results. These are great hands-on opportunities for you to practice data analytics. They are due via Connect by the date and time on Connect (may be different from the syllabus). Late completion will receive a grade of zero.

Most lab assignments have video instructions demonstrating how to complete the labs in addition to the text instructions. Please make sure to watch those videos before you start the labs. For all labs, your full name must be embedded in the screenshots. You can rename the file you work on to include your name or include a sticky note with your name before taking a screenshot. Screenshots that do not contain your name will have 50% of the points deducted.

Late assignments will always receive zero points, no matter the reason.

If you have technical problems with Connect, you need to contact customer service ((800) 331-5094 or [website](#)). The instructor will not be able to resolve any technical issues.

Quizzes

There are no quizzes for this class.

Exams

There will be one midterm exam for this class. No final exam.

Projects Required

To show proficiency and understanding of data analytics techniques, 2-3 students will work in a team to evaluate accounting data using the IMPACT framework, develop a meaningful Tableau dashboard and written report, and create a formal presentation demonstrating the process and results. Each team must submit the following items for grading: the completed Tableau dashboard including the data file analyzed, the project written report, and the video presentation (approximately 10-15 minutes).

Mid-Term Exam

There will be a Midterm Exam. The exam is closed-book and closed-notes. It may consist of multiple-choice and essay questions. You will be given a 24-hour window to start and complete the exam. You can pick any time within the 24-hour window to complete the exam. Once started, the exam must be completed

within the designated time limit. You must make plans to take the exam during the designated 24-hour window. Neither make-up exam nor early/late exam will be given. Respondus Lockdown Browser and a webcam must be installed on your computer for exams. No technical problem at a student's end will be considered for grading purposes.

While taking an exam using LockDown Browser, please follow the these guidelines:

- Must show photo ID at the beginning of the exam.
- Select a location where you won't be interrupted.
- Before starting the test, know how much time is available for it, and that you've allotted sufficient time to complete it.
- Turn off all mobile devices, phones, etc. and don't have them within reach.
- Clear your area of all external materials — books, papers, other computers, or devices.
- Remain at your desk or workstation for the duration of the test.
- LockDown Browser will prevent you from accessing other websites or applications; you will be unable to exit the test until all questions are completed and submitted.
- Using any form of AI tools during the exam is strictly prohibited. If violated, it is considered as cheating and will result an "F" in this course.

Final Exam

There is no final exam for this class.

Extra Credit

There are no extra credit for this class.

Late Work

Late assignments will always receive zero points, no matter the reason.

Make Up Work/Tests

There are no make up exams or assignments.

Important Dates

- Last day for term schedule changes: **January 23, 2026**. Check date on [Academic Calendar](#).
- Deadline to file for graduation: **February 16, 2026**. Check date on [Academic Calendar](#).
- Last Day to drop with a grade of "W": **April 29, 2026**. Check date on [Academic Calendar](#).
- Refer to: [Drops, Withdrawals & Void](#)

Desire-to-Learn (D2L)

Extensive use of the MSU D2L program is a part of this course. Each student is expected to be familiar with this program as it provides a primary source of communication regarding weekly agenda, assignments, examination materials, and general course information. You can log into [D2L](#) through the MSU Homepage. If you experience difficulties, please contact the technicians listed for the program or contact your instructor.

Attendance

This is an online class. No in-person attendance is required.

Online Computer Requirements

Taking an online class requires you to have access to a computer (with Internet access) to complete your learning and submit your assignments. It is your responsibility to have (or have access to) a working computer in this class.

****Assignments and tests are due by the due date, and personal computer technical difficulties will not be considered reason for the instructor to allow students extra time to submit assignments, tests, or discussion postings.*** Computers are available on campus in various areas of the buildings as well as the Academic Success Center. ****Your computer being down is not an excuse for missing a deadline!!*** There are many places to access your class! Our online classes can be accessed from any computer in the world which is connected to the internet. Contact your instructor immediately upon having computer trouble. If you have technical difficulties in the course, there is also a student helpdesk available to you. The college cannot work directly on student computers due to both liability and resource limitations however they are able to help you get connected to our online services. For help, log into [D2L](#). ****This course also requires using Tableau software to complete all assignments. Students will follow instructions at the beginning of the semester to install the software to personal computers or use Dillard lab computers to access the software.***

Instructor Class Policies

Expectation for Learners

Learn is a verb, which means it is an action or activity. Learning requires action and effort on your part. As graduate students, you are expected to carefully follow the instructions to complete all the assigned readings, SmartBooks, homework, and labs each week independently. You must manage your time wisely so that you could complete the weekly assignments on time. Make plan to study on a daily basis so that you can make satisfactory progress. If you need to clarify something, please contact the instructor as soon as possible. When you work on the assignments, please first think actively and explore possible solutions **yourself** by reading the textbook, watching the video

lectures/instructions on Connect, and doing the hands-on work. This learning experience is critical to develop your ability of quickly learning new skills/technology in the future in order to adapt to the changing world. You are always welcome to come to me for help if you couldn't figure things out. But you must have put in sufficient effort before asking for help.

Change of Schedule

A student dropping a course (but not withdrawing from the University) within the first 12 class days of a regular semester or the first four class days of a summer semester is eligible for a 100% refund of applicable tuition and fees. Dates are published in the Schedule of Classes each semester.

Refund and Repayment Policy

A student who withdraws or is administratively withdrawn from Midwestern State University (MSU) may be eligible to receive a refund for all or a portion of the tuition, fees and room/board charges that were paid to MSU for the semester. HOWEVER, if the student received financial aid (federal/state/institutional grants, loans and/or scholarships), all or a portion of the refund may be returned to the financial aid programs. As described below, two formulas (federal and state) exists in determining the amount of the refund. (Examples of each refund calculation will be made available upon request).

Services for Students with Disabilities

In accordance with Section 504 of the Federal Rehabilitation Act of 1973 and the Americans with Disabilities Act of 1990, Midwestern State University endeavors to make reasonable accommodations to ensure equal opportunity for qualified persons with disabilities to participate in all educational, social, and recreational programs and activities. After notification of acceptance, students requiring accommodations should make application for such assistance through Disability Support Services, located in the Student Wellness Center, (940) 397-4140. Current documentation of a disability will be required in order to provide appropriate services, and each request will be individually reviewed. For more details, please go to [Disability Support Services](#).

College Policies

Campus Carry Rules/Policies

Refer to: [Campus Carry Rules and Policies](#)

Smoking/Tobacco Policy

College policy strictly prohibits the use of tobacco products in any building owned or operated by WATC. Adult students may smoke only in the outside designated-smoking areas at each location.

Alcohol and Drug Policy

To comply with the Drug Free Schools and Communities Act of 1989 and subsequent amendments, students and employees of Midwestern State are informed that strictly enforced policies are in place which prohibits the unlawful possession, use or distribution of any illicit drugs, including alcohol, on university property or as part of any university-sponsored activity. Students and employees are also subject to all applicable legal sanctions under local, state and federal law for any offenses involving illicit drugs on University property or at University-sponsored activities.

Campus Carry

Effective August 1, 2016, the Campus Carry law (Senate Bill 11) allows those licensed individuals to carry a concealed handgun in buildings on public university campuses, except in locations the University establishes has prohibited. The new Constitutional Carry law does not change this process. Concealed carry still requires a License to Carry permit, and openly carrying handguns is not allowed on college campuses. For more information, visit [Campus Carry](#).

Active Shooter

The safety and security of our campus is the responsibility of everyone in our community. Each of us has an obligation to be prepared to appropriately respond to threats to our campus, such as an active aggressor. Please review the information provided by MSU Police Department regarding the options and strategies we can all use to stay safe during difficult situations. For more information, visit [MSUReady – Active Shooter](#). Students are encouraged to watch the video entitled “Run. Hide. Fight.” which may be electronically accessed via the University police department’s webpage: ["Run. Hide. Fight."](#)

Grade Appeal Process

Update as needed. Students who wish to appeal a grade should consult the Midwestern State University [MSU Catalog](#)

***Notice:** Changes in the course syllabus, procedure, assignments, and schedule may be made at the discretion of the instructor.

Course Schedule:

Week or Module	Date	Activities/Assignments/Exams	Due Date
Week 1	1/20 to 1/25	Chapter 1: Data Analytics for Accounting and Identifying the Questions	1/25 at 11pm
Week 2	1/26 to 2/1	Chapter 1	2/1 at 11pm
Week 3	2/2 to 2/8	Chapter 2: Master the Data	2/8 at 11pm
Week 4	2/9 to 2/15	Chapter 2	2/15 at 11pm
Week 5	2/16 to 2/22	Chapter 3: Perform the Test Plan and Analyze the Results	2/22 at 11pm
Week 6	2/23 to 3/1	Chapter 3	3/1 at 11pm
Week 7	3/2 to 3/8	Chapter 4: Communicate Results and Visualizations	3/8 at 11pm
Week 8	3/9 to 3/15	No class. Spring Break.	N/A
Week 9	3/16 to 3/22	Chapter 4	3/22 at 11pm
Week 10	3/23 to 3/29	Midterm Exam on D2L with Repondus Lockdown Browser and Webcam. Starting the project.	Exam available 3/27 at noon - 3/28 at noon. Once started, it must be completed with designated time limit.
Week 11	3/30 to 4/5	Chapter 5: The Modern Accounting Environment	4/5 at 11pm
Week 12	4/6 to 4/12	Chapter 6: Audit Data Analytics	4/12 at 11pm
Week 13	4/13 to 4/19	Chapter 7: Managerial Analytics	4/19 at 11pm
Week 14	4/20 to 4/26	Chapter 8: Financial Statement Analytics	4/26 at 11pm
Week 15	4/27 to 5/3	Chapter 9: Tax Analytics	5/3 at 11pm
Week 16	5/4 to 5/10	Final Project and Presentation Due	5/10 at 11pm