

Course Syllabus
ADAR 3220 – Applied Project Analytics
Fall 2025

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Office Hours: TBA in-person and online by appointment

Course Description

This course will cover the key basic concepts from a range of disciplines including finance, managerial and financial accounting, and project accounting. The concepts will cover discounted cash flows, net present value, cost of capital, sensitivity analyses, risk (expected monetary value, decision tree analysis,) account statements, balance sheets, ratio analysis, liability and asset identification, cost management, project monitoring, earned value management, and cost recognition approaches. The course objective is to provide students with an understanding of tools, techniques, and practices in business to strengthen their project managing skills. The course will help students to develop skills in business research and strategy, portfolio and project alignment, and equip them with fundamental knowledge required for entrepreneurship

Course Learning Outcomes

At the end of the course, you should:

1. Identify elements of basic financial & accounting statements & documents
2. Articulate the relationship between risk and project monitoring and control
3. Demonstrate strategies to conduct business research and assess operational efficiency
4. Develop and evaluate a balanced score card approach to company's financial health and sustainability
5. Apply ethical business practices to a global & dynamic business landscape

Textbook & Technology Requirements

In order to promote accessibility and affordability, all the textbooks referred here are not required to purchase. We will be using curated content and the following are an excellent source for studying.

M: Finance (with McGraw-Hill Connect) by Maria Cornett, Troy Adair and John Nofsinger. Published by McGraw-Hill.

Accounting: What the Numbers Mean by David Marshal, Daniel Viele and Wayne McManus. Publisher: McGraw-Hill.

Canvas (<https://unt.instructure.com/login/ldap>): The lecture notes, quizzes, all of the exams and other material will be posted on Canvas so please make sure you keep up and check Canvas often.

Microsoft Excel, installed in computer labs and available to download (Office 365) at <https://aits.unt.edu/support/office365apps>.

This course has digital components. To fully participate in this class, students will need internet access to reference content on the Canvas Learning Management System and other software. If circumstances change, you will be

informed of other technical needs to access course content. Information on how to be successful in a digital learning environment can be found at Learn Anywhere (<https://online.unt.edu/learn>).

IF YOU ARE LESS FAMILIAR WITH EXCEL:

Any Excel Primer – Any Excel reference that covers basic excel functions material. Also, check LinkedIn Learning (you have an account as a UNT student) for short courses on Excel. Any youtube video about spreadsheet basics should work as well.

Grading

Midterm Exam – 250 pts	A: 90% - 100%
Project & Presentation – 250 pts	B: 80% - 89%
Assignments – 200 pts (20 pts each)	C: 70% - 79%
Participation and Attendance – 50 pts	F: less than 70%
Final Exam – 250 pts	

Industrial Distribution students are required to pass all major coursework with a grade of C or higher for credit.

Assignments: There are a total of 10 assignments. They will be required to be submitted or completed in Canvas. See the schedule for due dates. Please follow the due by deadlines for submissions to receive credit.

Semester Project Presentation: You will be required to write a report and make a presentation in the classroom on a project that you will undertake during the semester. See the schedule for due date. The in-class presentations are formal presentations and require a smart casual or professional business attire and behavior.

Course Schedule

Students will be notified by Eagle Alert if there is a campus closing that will impact a class. This the calendar is subject to change, per Campus Closures Policy (<https://policy.unt.edu/policy/15-006>).

Week 1 - Course Introduction (8/18 – 8/23)

Week 2 – Accounting Principles (8/24 – 8/28)

Week 3 – Financial Statements (8/31 – 9/6)

Week 4 – Financial Statements (9/7 – 9/13)

Week 5 – Inventory Accounting (9/14 – 9/20)

Week 6 – Amortization & Depreciation (9/21 – 9/27)

Week 7 – Quickbooks Set-up & Navigation (9/28 – 10/4)

Week 8 – Review & Midterm Exam (10/5 – 10/11)

Week 9 – Introduction to Financial Management (10/12 – 10/18)

Week 10 – Financial Statements (10/19 – 10/25)

Week 11 – Financial Analysis (10/26 – 11/1)

Week 12 – Time Value of Money (11/2 – 11/8)

Week 13 – Earned Value Management (11/9 – 11/15)

Week 14 – Project Risk Assessment (11/16 – 11/22)

Thanksgiving Break - No Class (11/23 – 11/29)

Week 15 – Project Presentations (11/30 – 12/6)

Final Exams - (12-6 – 12/12)

Please use the following link for Final Exam information (<https://registrar.unt.edu/exams/final-exam-schedule/fall.html>)

Attendance & Communication Policy

Attendance is mandatory. Research has shown that students who attend class are more likely to be successful. You should attend every class unless you have a university excused absence such as active military service, a religious holy day, or an official university function as stated in the Student Attendance and Authorized Absences Policy (PDF) (<https://policy.unt.edu/policy/06-039>). If you cannot attend a class due to an emergency, please let me know. Your safety and well-being are important to me.

During busy times, my inbox becomes rather full, so if you contact me and do not receive a response within two business days, please send a follow up email. Office hours offer you an opportunity to ask for clarification or find support with understanding class material, so come visit me! Additional office hours, in person and virtually, will be offered as the semester concludes. Your success is our goal.

Classroom Inclusion

Every student in this class should have the right to learn and engage within an environment of respect and courtesy from others. We will discuss our classroom's habits of engagement and I also encourage you to review UNT's student code of conduct so that we can all start with the same baseline civility understanding (Code of Student Conduct) (<https://policy.unt.edu/policy/07-012>).

Discussion Forum

For the discussion board assignments posted in Canvas, you are required to post a minimum 250-word essay for each assignment by Sunday at 11:59pm about the reading/course materials, briefly summarizing what you learned and providing comments and reflections. You will receive up to ten points/week for meeting this standard. You will receive four points for posting each week, and 2-6 points based on the overall quality of postings:

2 = average (participation with average or below average use of readings and application)
4 = good (quality participation based on clear references to the reading and attempts to apply the material)
6 = excellent (high-level, quality participation based on clear references to the reading and attempts to apply the material; shows clear reflection on the readings)

Academic Success Resources

UNT strives to offer a high-quality education in a supportive environment where you can learn, grow, and thrive. As a faculty member, I am committed to supporting you, and I want to remind you that UNT offers a range of mental health and wellness services to help maintain balance and well-being. Utilizing these resources is a proactive way to support your academic and personal success. To explore campus resources designed to support you, check out mental health services (<https://clear.unt.edu/student-support-services-policies>), visit unt.edu/success, and explore unt.edu/wellness. To get all your enrollment and student financial-related questions answered, go to scrappysays.unt.edu.

- [Dean of Students](#): provides Code of Student Conduct along with other useful links

- [Office of Disability Access](#): exists to prevent discrimination based on disability and to help students reach a higher level of independence
- [Counseling and Testing Services](#): provides counseling services to the UNT community, as well as testing services; such as admissions testing, computer-based testing, career testing, and other tests
- [UNT Libraries](#)
- [UNT Learning Center](#): provides a variety of services, including tutoring, to enhance the student academic experience
- [UNT Writing Center](#): offers free writing tutoring to all UNT students, undergraduate and graduate, including online tutoring
- [Succeed at UNT](#): information regarding how to be a successful student at UNT

Generative AI Usage

In this course, I want you to engage deeply with the materials and develop your own critical thinking and writing skills. For this reason, the use of Generative AI (GenAI) tools like [insert tool(s) here, e.g., Claude, ChatGPT, and Gemini] is not permitted unless otherwise stated. While these tools can be helpful in some contexts, they do not align with our goal of fostering the development of your independent thinking. Using GenAI to complete any part of an assignment, exam, or coursework will be considered a violation of academic integrity unless stated otherwise in writing, as it prevents the development of your own skills, and will be addressed according to the [Student Academic Integrity policy](https://policy.unt.edu/policy/06-003) (<https://policy.unt.edu/policy/06-003>).

UNT POLICIES

Academic Integrity Policy

According to UNT Policy 06.003, Student Academic Integrity, academic dishonesty occurs when students engage in behaviors including, but not limited to cheating, fabrication, facilitating academic dishonesty, forgery, plagiarism, and sabotage. A finding of academic dishonesty may result in a range of academic penalties or sanctions ranging from admonition to expulsion from the University.

Enrollment in this course constitutes agreement with the following statement: “I commit myself to honor, integrity, and responsibility as a student representing the University of North Texas community. I understand and pledge to uphold academic integrity as set forth by [UNT Student Academic Integrity Policy, 06.003](https://policy.unt.edu/policy/06-003) (<https://policy.unt.edu/policy/06-003>). I affirm that the work I submit will always be my own, and the support I provide and receive will always be honorable.”

ADA Policy

The University of North Texas makes reasonable accommodations for students with disabilities. To request accommodations, you must first register with the Office of Disability Access (ODA) by completing an application for services and providing documentation to verify your eligibility each semester. Once your eligibility is confirmed, you may request your letter of accommodation. ODA will then email your faculty a letter of reasonable accommodation, initiating a private discussion about your specific needs in the course.

You can request accommodations at any time, but it’s important to provide ODA notice to your faculty as early as possible in the semester to avoid delays in implementation. Keep in mind that you must obtain a new letter of accommodation for each semester and meet with each faculty member before accommodations can be implemented in each class. You are strongly encouraged to meet with faculty regarding your accommodations during office hours or by appointment. Faculty have the authority to ask you to discuss your letter during their designated office hours to protect your privacy. For more information and to access resources that can support your needs, refer to the [Office of Disability Access](https://studentaffairs.unt.edu/office-disability-access) website (<https://studentaffairs.unt.edu/office-disability-access>).

Emergency Notification & Procedures

UNT uses a system called Eagle Alert to quickly notify students with critical information in the event of an emergency (i.e., severe weather, campus closing, and health and public safety emergencies like chemical spills, fires, or violence). In the event of a university closure, please refer to Canvas for contingency plans for covering course materials.

Retention of Student Records

Student records pertaining to this course are maintained in a secure location by the instructor of record. All records such as exams, answer sheets (with keys), and written papers submitted during the duration of the course are kept for at least one calendar year after course completion. Course work completed via the Canvas online system, including grading information and comments, is also stored in a safe electronic environment for one year. Students have the right to view their individual record; however, information about student's records will not be divulged to other individuals without proper written consent. Students are encouraged to review the Public Information Policy and the Family Educational Rights and Privacy Act (FERPA) laws and the University's policy. See UNT Policy 10.10, Records Management and Retention for additional information.

Acceptable Student Behavior

Student behavior that interferes with an instructor's ability to conduct a class or other students' opportunity to learn is unacceptable and disruptive and will not be tolerated in any instructional forum at UNT. Students engaging in unacceptable behavior will be directed to leave the classroom and the instructor may refer the student to the Dean of Students to consider whether the student's conduct violated the Code of Student Conduct. The University's expectations for student conduct apply to all instructional forums, including University and electronic classroom, labs, discussion groups, field trips, etc. The Code of Student Conduct can be found at deanofstudents.unt.edu/conduct.

Access to Information - Eagle Connect

Students' access point for business and academic services at UNT is located at: my.unt.edu. All official communication from the University will be delivered to a student's Eagle Connect account. For more information, please visit the website that explains Eagle Connect and how to forward e-mail: eagleconnect.unt.edu/

Student Evaluation Administration Dates

Student feedback is important and an essential part of participation in this course. The student evaluation of instruction is a requirement for all organized classes at UNT. The survey will be made available during weeks 13, 14 and 15 of the long semesters to provide students with an opportunity to evaluate how this course is taught. Students will receive an email from "UNT SPOT Course Evaluations via IASystem Notification" (no-reply@iasystem.org) with the survey link. Students should look for the email in their UNT email inbox. Simply click on the link and complete the survey. Once students complete the survey they will receive a confirmation email that the survey has been submitted. For additional information, please visit the SPOT website at <http://spot.unt.edu/> or email spot@unt.edu.

Sexual Assault Prevention

UNT is committed to providing a safe learning environment free of all forms of sexual misconduct, including sexual harassment sexual assault, domestic violence, dating violence, and stalking. Federal laws (Title IX and the Violence Against Women Act) and UNT policies prohibit discrimination on the basis of sex, and therefore prohibit sexual misconduct. If you or someone you know is experiencing sexual harassment, relationship violence, stalking, and/or sexual assault, there are campus resources available to provide support and assistance. UNT's Survivor Advocates can assist a student who has been impacted by violence by filing protective orders, completing crime victim's compensation applications, contacting professors for absences related to an assault, working with housing to facilitate a room change where appropriate, and connecting students to other resources available both on and off campus. The Survivor Advocates can be reached at SurvivorAdvocate@unt.edu or by calling the Dean of Students

Office at 940-565- 2648. Additionally, alleged sexual misconduct can be non-confidentially reported to the Title IX Coordinator at oeo@unt.edu or at (940) 565 2759.