

## DSCI 5210.002/3 Spring 2023

### Model-Based Business Intelligence

#### Instructor Contact

**INSTRUCTOR:** Dr. Hakan Tarakci

**OFFICE:** BLB 358-C

**PHONE:** 940-565-3116

**EMAIL:** [hakan.tarakci@unt.edu](mailto:hakan.tarakci@unt.edu) (preferred mode of contact outside of office hours)

**CLASS HOURS and LOCATION:** ONLINE ONLY.

**OFFICE HOURS:** Wed 8-9.30 PM and Thu 8-9.30 PM (<https://unt.zoom.us/j/5525557393>)

**COURSE WEB SITE:** [canvas.unt.edu](https://canvas.unt.edu) (Links to an external site.)

**RESPONSE TIME FOR EMAILS/PHONE CALLS:** 48 hours.

**RESPONSE TIME FOR GRADES/FEEDBACK:** 48 hours after the quiz/exam closes on Canvas.

#### Course Description

The primary aim of this course is to develop skills for solving complex business problems with the aid of management science techniques and with the use of decision technology. The management science techniques emphasized can be broadly categorized under *Optimization*, *Simulation* and *Decision & Risk Analysis*. Course topics include the use of mathematical and conceptual models that are embedded in a business environment for dealing with both structured and semi-structured decision problems. The course will help you identify opportunities and problems for which the use of modeling enhances a decision maker's chance of success. Further, the course will introduce state-of-the-art decision support technology required to solve real problems, (which generally involve data management and analysis) primarily using spreadsheets. Overall, through a combination of exercises, written explanations and prepared videos, the course introduces powerful tools and techniques, reviews current trends, and highlights key managerial issues.

#### Course Structure

There are 10 modules in this online course, with most modules taking about two weeks. Each module has either a quiz or an exam associated with it. Here's a list of all due dates for the quizzes and exams within each module:

Module 1 – Quiz 1 (45 points) is due by 11.59 PM on Jan 29, 2023.  
Module 2 – Quiz 2 (45 points) is due by 11.59 PM on Feb 12, 2023.  
Module 3 – Quiz 3 (45 points) is due by 11.59 PM on Feb 22, 2023.  
Module 4 – Quiz 4 (45 points) is due by 11.59 PM on Mar 5, 2023.  
Module 5 – Exam 1 (250 points) is due by 5.00 PM on Mar 12, 2023.  
Module 6 – Quiz 5 (45 points) is due by 11.59 PM on Mar 29, 2023.  
Module 7 – Quiz 6 (45 points) is due by 11.59 PM on Apr 9, 2023.  
Module 8 – Quiz 7 (45 points) is due by 11.59 PM on Apr 23, 2023.  
Module 9 – Quiz 8 (45 points) is due by 11.59 PM on May 2, 2023.  
Module 10 – Final Exam (350 points) is due by 5.00 PM on May 12, 2023.

As you go through each module, I would recommend that you first check the lecture notes within each module. In those notes, I usually tell you which parts of the book you should read or skip. In general, if you follow the structure provided in those lecture notes, you'll get the most out of this course and enhance your understanding. Of course, make sure that you read and study everything in the assigned chapters in the book, even the parts not explicitly mentioned in the lecture notes. The only exception is if I specify that some sections should be skipped.

### Course Prerequisites or Other Restrictions

**Prerequisite:** DSCI 5010 or equivalent (Also check UNT Graduate Catalog, 2022-2023)

### Course Objectives

By the end of this course, students will be able to:

1. Understand the modeling process and be able to apply it to problems in key functional areas of business such as marketing, finance and operations as well as to public sector and at the strategic to operational level of decision-making hierarchies.
2. Implement model-based decision support systems using spreadsheets and other stand-alone state-of-the-art software.

### Materials

Optimization Modeling with Spreadsheets, 3rd Edition, published 2015, (includes CD-ROM)

Author: Kenneth Baker; ISBN: 978-1-118-93769-3

**(It is OK if you get the 2<sup>nd</sup> Edition ISBN: 978-0-470-92863-9 – just make sure the problems, readings and cases are congruent with the new edition)**

### Teaching Philosophy

As I mentioned before, I see myself as a facilitator in this course: I will provide all the necessary tools for the students to learn at their own pace and mostly on their own. However, I will be available for any emails/phone calls/messages which I plan to respond to within 48 hours. Weekly office hours (3 online) should also prove useful.

I would recommend students to look at the lecture notes in each module first. There, they can see the flow and order of contents that I plan to cover for that module. I refer to the sections of the textbook that they should read, in order to better understand the material. Each module also includes various examples and exercises – most of the time, these are analyzed extensively in the textbook so the students should follow that. At other times, though, I provide my own videos and/or tutorial videos on Lynda, which will enhance the comprehension of the material.

The eight quizzes, worth 45 points each, are critical to success in this course and these test the concepts that we learn in each module. The best way to prepare for these is to make sure you understand what's covered in each module completely. Also, keep in mind that each quiz has an unlimited number of attempts and the questions do not change (even though the order of the questions and the order of answer choices might) so after taking the quiz once, you should know *exactly* what to expect in the future.

## Technical Requirements & Skills

### Minimum Technology Requirements

Provide a list of the minimum technology requirements for students, such as:

- Computer
- Speakers
- Microphone
- Plug-ins
- Microsoft Office Suite
- [Canvas Technical Requirements](https://clear.unt.edu/supported-technologies/canvas/requirements) (<https://clear.unt.edu/supported-technologies/canvas/requirements>)
- I will be using MS Excel 2019. It is available in the COBA labs. If you wish to use an earlier version of MS Excel, you can do so, assuming that a comparable analysis of the problem is possible. The COBA labs may have specially designated laptops that you can check out.

### Computer Skills & Digital Literacy

Provide a list of course-specific technical skills learners must have to succeed in the course, such as:

- Using Canvas
- Using email with attachments
- Downloading and installing software
- Using spreadsheet programs
- Using presentation and graphics programs

### Netiquette

Netiquette, or online etiquette, refers to the way students are expected to interact with each other and with their instructors online. Here are some general guidelines:

- Treat your instructor and classmates with respect in email or any other communication.
- Always use your professors' proper title: Dr. or Prof., or if in doubt use Mr. or Ms.
- Unless specifically invited, don't refer to your instructor by first name.
- Use clear and concise language.
- Remember that all college level communication should have correct spelling and grammar (this includes discussion boards).
- Avoid slang terms such as "wassup?" and texting abbreviations such as "u" instead of "you."
- Use standard fonts such as Ariel, Calibri or Times new Roman and use a size 10 or 12 pt. font
- Avoid using the caps lock feature AS IT CAN BE INTERPRETTED AS YELLING.
- Be cautious when using humor or sarcasm as tone is sometimes lost in an email or discussion post and your message might be taken seriously or sound offensive.
- Be careful with personal information (both yours and other's).
- Do not send confidential information via e-mail

See these [Netiquette Guidelines](http://teach.ufl.edu/wp-content/uploads/2012/08/NetiquetteGuideforOnlineCourses.pdf) (<http://teach.ufl.edu/wp-content/uploads/2012/08/NetiquetteGuideforOnlineCourses.pdf>) for more information.

## Success in an Online Course

While the online classroom shares many similarities with the face-to-face classroom, success in online education requires certain skills and expectations that students may not be aware of. Consider providing tips for success based on your own online teaching and learning experiences. You can also include a link to or adapt tips from this webpage for students, [“How to Succeed as an Online Student”](https://clear.unt.edu/teaching-resources/online-teaching/succeed-online) (<https://clear.unt.edu/teaching-resources/online-teaching/succeed-online>).

## Getting Help

### Technical Assistance

Part of working in the online environment involves dealing with the inconveniences and frustration that can arise when technology breaks down or does not perform as expected. Here at UNT we have a Student Help Desk that you can contact for help with Canvas or other technology issues.

**UIT Help Desk** (<http://www.unt.edu/helpdesk/index.htm>)

**Email:** [helpdesk@unt.edu](mailto:helpdesk@unt.edu)

**Phone:** 940-565-2324

**In Person:** Sage Hall, Room 130

For additional support, visit [Canvas Technical Help](https://community.canvaslms.com/docs/DOC-10554-4212710328) (<https://community.canvaslms.com/docs/DOC-10554-4212710328>)

### Student Support Services

- [Registration](https://registrar.unt.edu/registration) (<https://registrar.unt.edu/registration>)
- [Financial Aid](https://financialaid.unt.edu/) (<https://financialaid.unt.edu/>)
- [Student Legal Services](https://studentaffairs.unt.edu/student-legal-services) (<https://studentaffairs.unt.edu/student-legal-services>)
- [Career Center](https://studentaffairs.unt.edu/career-center) (<https://studentaffairs.unt.edu/career-center>)
- [Multicultural Center](https://edo.unt.edu/multicultural-center) (<https://edo.unt.edu/multicultural-center>)
- [Counseling and Testing Services](https://studentaffairs.unt.edu/counseling-and-testing-services) (<https://studentaffairs.unt.edu/counseling-and-testing-services>)
- [Student Affairs Care Team](https://studentaffairs.unt.edu/care) (<https://studentaffairs.unt.edu/care>)
- [Student Health and Wellness Center](https://studentaffairs.unt.edu/student-health-and-wellness-center) (<https://studentaffairs.unt.edu/student-health-and-wellness-center>)
- [Pride Alliance](https://edo.unt.edu/pridealliance) (<https://edo.unt.edu/pridealliance>)

### Academic Support Services

- [Academic Resource Center](https://clear.unt.edu/canvas/student-resources) (<https://clear.unt.edu/canvas/student-resources>)
- [Academic Success Center](https://success.unt.edu/asc) (<https://success.unt.edu/asc>)
- [UNT Libraries](https://library.unt.edu/) (<https://library.unt.edu/>)
- [Writing Lab](http://writingcenter.unt.edu/) (<http://writingcenter.unt.edu/>)
- [MathLab](https://math.unt.edu/mathlab) (<https://math.unt.edu/mathlab>)

## Course Requirements

### Quizzes/Exams

I will hold (online at [canvas.unt.edu](https://canvas.unt.edu)) **eight quizzes** that cover important concepts from various topics that we study in the modules. The quizzes will be multiple choice and will be short in terms of number of questions (at most 10) and time (at most 50 minutes). These quizzes will be worth **360 points** so please make sure you can take them.

**Exams:** There will be one mid-term Exam in Module 5 and one final Exam at the end of the semester. Both of these exams will be online, open book, and open notes. On Canvas, you can find practice exams and solutions to those practice exams to help you prepare for these exams.

**Note:** I might require the use of Lockdown Browser/Respondus Monitor. Details will be made on Canvas via Announcements.

**Ethics Statement:** You need to sign the ITDS Ethical statement which is posted (and linked) on Canvas. **The due date for this is Jan 29.**

<b><i>Assignment</i></b>	<b><i>Points Possible</i></b>
<b><i>8 Quizzes (45 each) plus Ethics Statement (40)</i></b>	<i>400 points</i>
<i>Exam 1</i>	<i>250 points</i>
<i>Exam 2</i>	<i>350 points</i>
<b><i>Total Points Possible</i></b>	<i>1000 points</i>

### Grading

**Letter Grade Allocation (if you hit the thresholds below, you are guaranteed to receive the letter grade next to that threshold):**

A = 900-1000

B = 800-899

C = 700-799

D = 600-699

F = 599 and below

### Course Evaluation

#### SPOT (Student Perceptions of Teaching)

SPOT is a requirement for all organized classes at UNT. This short survey will be made available to you at the end of the semester, providing you a chance to comment on how this class is taught. I am very interested in the feedback I get from students, as I work to continually improve my teaching.

## Course Policies

### Code of Conduct and Ethics

The policies stated here were derived from the University of North Texas Student Guidebook. **You are responsible for information published by the university in its official publication.** What appears below is primarily to give you an idea about the code of conduct and ethics.

Scholastic integrity must be exhibited in your academic work, conduct, and methods. Academic work for which you receive an individual grade must be your original, individual effort unless it is a group case/project. If, in my opinion, any evidence exists that all or part of the work you submit for grading is that of another person, you (and the other person) will be given a zero for the assignment. This is one form of scholastic dishonesty. A second incident of academic misconduct will result in a grade of F in this course. You (and anyone involved with you) will be given an F in this course, if you are found to have cheated on an exam or collaborated on an assignment with another student. Further action on incidents of scholastic misconduct will be referred to the Dean of Students.

### Instructor Responsibilities and Feedback

Since this is an online course with no defined lecturing hours, I see myself more as a facilitator for learning, than a traditional instructor. My goal for this course is to provide you all the tools (lecture notes, textbook, videos I've prepared myself, links to LinkedIn videos, quizzes, and exams) you need to be successful in understanding the role of mathematical analysis in solving business problems. As the facilitator for learning, I am open and willing to any questions you might have; please don't feel shy – there are no useless/silly questions. My personal policy is getting back to you within 24 hours of your email/phone call (even during weekends or at night). I also aim to make all the grades available within 24 hours of the deadline of the quizzes and exams.

Even though I believe that all the material I have provided on Canvas is sufficient for you to excel, I might provide additional items throughout the semester because I want to give you extra credit opportunities, or I see some news article that I think is relevant. In those cases, please look out for announcements on Canvas and/or emails from me.

### Late Work

The due date of each quiz and exam is clearly communicated in the syllabus and on Canvas. Therefore, if you are late completing these assessments without a valid excuse, I will not extend the deadline. However, if you miss any quiz or exam (or score low on one), I may allow you to get partial credit by looking at your other quiz/exam scores and assigning a late/missing penalty.

### Attendance Policy

Attendance is neither mandatory nor graded; however, I expect regular access to course material on Canvas. Therefore, I recommend that students log on to Canvas at least once a week.

### Class Participation

As this is an online course, class participation is neither mandatory nor graded. However, I urge students to ask me questions via email/message/phone calls, and use the discussion tool on Canvas, to interact with me and the other students.

### Syllabus Change Policy

Any changes to the syllabus will be notified to the students via announcements on Canvas and/or emails from the instructor.

### Miscellaneous Policies

**IMPORTANT DATES:** Dates of drop deadlines, exams, final exams, etc., are published in the university catalog and schedule of classes. It is your responsibility to be informed with regard to these dates.

### Course Specific Concerns

If any student has a problem directly related to the course, he or she needs to speak to me first. Only if the issue is unresolved after reasonable effort, communication and attempts at resolving it, he or she may take the issue to Dr. Anna Sidorova, Chair of the ITDS Dept., (Phone: 565-3110).

### UNT Policies

#### Academic Integrity Policy

*As per UNT policy, a course syllabus MUST include the following statement:*

Academic Integrity Standards and Consequences. 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. [Insert specific sanction or academic penalty for specific academic integrity violation.]

#### ADA Policy

*As per UNT policy, a course syllabus MUST include the following statement:*

UNT makes reasonable academic accommodation for students with disabilities. Students seeking accommodation must first register with the Office of Disability Accommodation (ODA) to verify their eligibility. If a disability is verified, the ODA will provide a student with an accommodation letter to be delivered to faculty to begin a private discussion regarding one's specific course needs. Students may request accommodations at any time, however, ODA notices of accommodation should be provided as early as possible in the semester to avoid any delay in implementation. Note that students must obtain a new letter of accommodation for every semester and must meet with each faculty member prior to implementation in each class. For additional information see the [ODA website \(https://disability.unt.edu/\)](https://disability.unt.edu/).

### Prohibition of Discrimination, Harassment, and Retaliation (Policy 16.004)

The University of North Texas (UNT) prohibits discrimination and harassment because of race, color, national origin, religion, sex, sexual orientation, gender identity, gender expression, age, disability, genetic information, veteran status, or any other characteristic protected under applicable federal or state law in its application and admission processes; educational programs and activities; employment policies, procedures, and processes; and university facilities. The University takes active measures to prevent such conduct and investigates and takes remedial action when appropriate.

## Emergency Notification & Procedures

*As per UNT policy, a course syllabus MUST include the following statement:*

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 Blackboard 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 Blackboard 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. Visit UNT's [Code of Student Conduct](https://deanofstudents.unt.edu/conduct) (<https://deanofstudents.unt.edu/conduct>) to learn more.

## Access to Information - Eagle Connect

Students' access point for business and academic services at UNT is located at: [my.unt.edu](https://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 [Eagle Connect](https://it.unt.edu/eagleconnect) (<https://it.unt.edu/eagleconnect>).

## 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](mailto: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](http://spot.unt.edu/) (<http://spot.unt.edu/>) or email [spot@unt.edu](mailto: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](mailto: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 [seo@unt.edu](mailto:seo@unt.edu) or at (940) 565 2759.

### Important Notice for F-1 Students taking Distance Education Courses

#### **Federal Regulation**

To read detailed Immigration and Customs Enforcement regulations for F-1 students taking online courses, please go to the [Electronic Code of Federal Regulations website](http://www.ecfr.gov/) (<http://www.ecfr.gov/>). The specific portion concerning distance education courses is located at Title 8 CFR 214.2 Paragraph (f)(6)(i)(G).

The paragraph reads:

(G) For F-1 students enrolled in classes for credit or classroom hours, no more than the equivalent of one class or three credits per session, term, semester, trimester, or quarter may be counted toward the full course of study requirement if the class is taken on-line or through distance education and does not require the student's physical attendance for classes, examination or other purposes integral to completion of the class. An on-line or distance education course is a course that is offered principally through the use of television, audio, or computer transmission including open broadcast, closed circuit, cable, microwave, or satellite, audio conferencing, or computer conferencing. If the F-1 student's course of study is in a language study program, no on-line or distance education classes may be considered to count toward a student's full course of study requirement.

#### **University of North Texas Compliance**

To comply with immigration regulations, an F-1 visa holder within the United States may need to engage in an on-campus experiential component for this course. This component (which must be approved in advance by the instructor) can include activities such as taking an on-campus exam, participating in an on-campus lecture or lab activity, or other on-campus experience integral to the completion of this course. If such an on-campus activity is required, it is the student's responsibility to do the following:

- (1) Submit a written request to the instructor for an on-campus experiential component within one week of the start of the course.
- (2) Ensure that the activity on campus takes place and the instructor documents it in writing with a notice sent to the International Student and Scholar Services Office. ISSS has a form available that you may use for this purpose.

Because the decision may have serious immigration consequences, if an F-1 student is unsure about his or her need to participate in an on-campus experiential component for this course, s/he should contact the UNT International Student and Scholar Services Office (telephone 940-565-2195 or email [internationaladvising@unt.edu](mailto:internationaladvising@unt.edu)) to get clarification before the one-week deadline.

## Student Verification

UNT takes measures to protect the integrity of educational credentials awarded to students enrolled in distance education courses by verifying student identity, protecting student privacy, and notifying students of any special meeting times/locations or additional charges associated with student identity verification in distance education courses.

See [UNT Policy 07-002 Student Identity Verification, Privacy, and Notification and Distance Education Courses](https://policy.unt.edu/policy/07-002) (<https://policy.unt.edu/policy/07-002>).

## Use of Student Work

A student owns the copyright for all work (e.g. software, photographs, reports, presentations, and email postings) he or she creates within a class and the University is not entitled to use any student work without the student's permission unless all of the following criteria are met:

- The work is used only once.
- The work is not used in its entirety.
- Use of the work does not affect any potential profits from the work.
- The student is not identified.
- The work is identified as student work.

If the use of the work does not meet all of the above criteria, then the University office or department using the work must obtain the student's written permission.

## Transmission and Recording of Student Images in Electronically-Delivered Courses

1. No permission is needed from a student for his or her image or voice to be transmitted live via videoconference or streaming media, but all students should be informed when courses are to be conducted using either method of delivery.
2. In the event an instructor records student presentations, he or she must obtain permission from the student using a signed release in order to use the recording for future classes in accordance with the Use of Student-Created Work guidelines above.
3. Instructors who video-record their class lectures with the intention of re-using some or all of recordings for future class offerings must notify students on the course syllabus if students' images may appear on video. Instructors are also advised to provide accommodation for students who do not wish to appear in class recordings.

Example: This course employs lecture capture technology to record class sessions. Students may occasionally appear on video. The lecture recordings will be available to you for study purposes and may also be reused in future course offerings.

No notification is needed if only audio and slide capture is used or if the video only records the instructor's image. However, the instructor is encouraged to let students know the recordings will be available to them for study purposes.

## Academic Support & Student Services

### Student Support Services

#### *Mental Health*

UNT provides mental health resources to students to help ensure there are numerous outlets to turn to that wholeheartedly care for and are there for students in need, regardless of the nature of an issue or its severity. Listed below are several resources on campus that can support your academic success and mental well-being:

- [Student Health and Wellness Center](https://studentaffairs.unt.edu/student-health-and-wellness-center) (https://studentaffairs.unt.edu/student-health-and-wellness-center)
- [Counseling and Testing Services](https://studentaffairs.unt.edu/counseling-and-testing-services) (https://studentaffairs.unt.edu/counseling-and-testing-services)
- [UNT Care Team](https://studentaffairs.unt.edu/care) (https://studentaffairs.unt.edu/care)
- [UNT Psychiatric Services](https://studentaffairs.unt.edu/student-health-and-wellness-center/services/psychiatry) (https://studentaffairs.unt.edu/student-health-and-wellness-center/services/psychiatry)
- [Individual Counseling](https://studentaffairs.unt.edu/counseling-and-testing-services/services/individual-counseling) (https://studentaffairs.unt.edu/counseling-and-testing-services/services/individual-counseling)

#### *Chosen Names*

A chosen name is a name that a person goes by that may or may not match their legal name. If you have a chosen name that is different from your legal name and would like that to be used in class, please let the instructor know. Below is a list of resources for updating your chosen name at UNT.

- [UNT Records](#)
- [UNT ID Card](#)
- [UNT Email Address](#)
- [Legal Name](#)

*\*UNT eUIDs cannot be changed at this time. The collaborating offices are working on a process to make this option accessible to UNT community members.*

#### *Pronouns*

Pronouns (she/her, they/them, he/him, etc.) are a public way for people to address you, much like your name, and can be shared with a name when making an introduction, both virtually and in-person. Just as we ask and don't assume someone's name, we should also ask and not assume someone's pronouns.

You can [add your pronouns to your Canvas account](#) so that they follow your name when posting to discussion boards, submitting assignments, etc.

Below is a list of additional resources regarding pronouns and their usage:

- [What are pronouns and why are they important?](#)
- [How do I use pronouns?](#)
- [How do I share my pronouns?](#)
- [How do I ask for another person's pronouns?](#)
- [How do I correct myself or others when the wrong pronoun is used?](#)

#### *Additional Student Support Services*

- [Registrar](https://registrar.unt.edu/registration) (https://registrar.unt.edu/registration)
- [Financial Aid](https://financialaid.unt.edu/) (https://financialaid.unt.edu/)
- [Student Legal Services](https://studentaffairs.unt.edu/student-legal-services) (https://studentaffairs.unt.edu/student-legal-services)

- [Career Center](https://studentaffairs.unt.edu/career-center) (https://studentaffairs.unt.edu/career-center)
- [Multicultural Center](https://edo.unt.edu/multicultural-center) (https://edo.unt.edu/multicultural-center)
- [Counseling and Testing Services](https://studentaffairs.unt.edu/counseling-and-testing-services) (https://studentaffairs.unt.edu/counseling-and-testing-services)
- [Pride Alliance](https://edo.unt.edu/pridealliance) (https://edo.unt.edu/pridealliance)
- [UNT Food Pantry](https://deanofstudents.unt.edu/resources/food-pantry) (https://deanofstudents.unt.edu/resources/food-pantry)

#### Academic Support Services

- [Academic Resource Center](https://clear.unt.edu/canvas/student-resources) (https://clear.unt.edu/canvas/student-resources)
- [Academic Success Center](https://success.unt.edu/asc) (https://success.unt.edu/asc)
- [UNT Libraries](https://library.unt.edu/) (https://library.unt.edu/)
- [Writing Lab](http://writingcenter.unt.edu/) (http://writingcenter.unt.edu/)
- [MathLab](https://math.unt.edu/mathlab) (https://math.unt.edu/mathlab)

#### Emergency Evacuation Procedures for Business Leadership Building

**Even though this is an online only class, I am adding the following emergency related information in case you are in the Business Leadership Building during one:**

**Severe Weather** In the event of severe weather, all building occupants should immediately seek shelter in the designated shelter-in-place area in the building. If unable to safely move to the designated shelter-in-place area, seek shelter in a windowless interior room or hallway on the lowest floor of the building. All building occupants should take shelter in rooms 055, 077, 090, and the restrooms on the basement level. In rooms 170, 155, and the restrooms on the first floor.

**Bomb Threat/Fire** In the event of a bomb threat or fire in the building, all building occupants should immediately evacuate the building using the nearest exit. Once outside, proceed to the designated assembly area. If unable to safely move to the designated assembly area, contact one or more members of your department or unit to let them know you are safe and inform them of your whereabouts. Persons with mobility impairments who are unable to safely exit the building should move to a designated area of refuge and await assistance from emergency responders. All building occupants should immediately evacuate the building and proceed to the south side of Crumley Hall in the grassy area, west of parking lot 24.

## Course Calendar

Date	Topics	Activities
<b><u>Module 1 (Jan 17-29)</u></b>		
	Introduction and Course Policies	Quiz 1 (Jan 28-29)
	Introduction to Spreadsheet Models for Optimization (Ch. 1)	
<b><u>Module 2 (Jan 30-Feb 12)</u></b>		
	Graphical Methods for Linear Programming (Apdx. 2)	Quiz 2 (Feb 11-12)
	Allocation Covering and Blending Models (Ch. 2)	
<b><u>Module 3 (Feb 13-22)</u></b>		
	Network Models (Ch. 3)	Quiz 3 (Feb 21-22)
<b><u>Module 4 (Feb 23-Mar 5)</u></b>		
	Sensitivity Analysis (Ch. 4)	Quiz 4 (Mar 4-5)
<b><u>Module 5 (Mar 6-12)</u></b>		
	EXAM 1 REVIEW AND EXAM	Exam 1 (Mar 12 from 9 am to 5 pm)
<b><u>Module 6 (Mar 20-29)</u></b>		
	Integer Programming – Binary Choice Models (Ch.6)	Quiz 5 (Mar 28-29)
<b><u>Module 7 (Mar 30-Apr 9)</u></b>		
	Integer Programming – Logical Constraints (Ch. 7)	Quiz 6 (Apr 8-9)
<b><u>Module 8 (Apr 10-23)</u></b>		
	Special Topic: Decision and Risk Analysis	Quiz 7 (Apr 22-23)

**Module 9 (Apr 24-May 2)**

**Nonlinear Programming (Ch. 8)**

**Quiz 8 (May 1-2)**

**Module 10 (May 8-12)**

**FINAL EXAM REVIEW AND EXAM**

**Final Exam (May 12 from 9 am to 5 pm)**