

# **MATH1100.130 Algebra Fall 2021**

**Instructor:** Jason Taylor

**Office:** GAB 437

**Office hours:** MTWR 1:00pm-3:00pm via Zoom (<https://unt.zoom.us/j/6910470513>)

**Class meets:** MWF 10:00am-10:50 am at BLB 180

**Recitations meet:** Location for all is GAB 511.

131: Mikah Ward, R 08:00am-09:50am

132: Nick Ghuman, R 10:30am-12:20pm

**Final Exam date and time:** <https://registrar.unt.edu/exams/final-exam-schedule/fall>

**Saturday, April 24, 08:00am-10:00am**

## **Course description:**

Designed to build technical proficiency in algebra for students who will need strong algebra skills in a higher level mathematics course. Study of polynomial, radical, rational, logarithmic and exponential functions with applications; building functions from data; systems of equations. Note that MATH 1100 at UNT does not satisfy the mathematics component of the core curriculum. Students who feel they acquired solid algebra skills in high school are strongly encouraged to take the mathematics placement exam to begin in a higher-level mathematics course. Prerequisite(s): Two years of high school algebra and one year of geometry, and consent of department; or a grade of C or better in MATH 1010, MATH 1581 or MATH 1681. A grade of C or better in MATH 1100 is required when MATH 1100 is a prerequisite for other mathematics courses.

## **Required Materials:**

1. The textbook is free and open source in design. It can be download at <https://openstax.org/details/books/college-algebra> or viewed with their online viewer. Digital: ISBN-10: 1-947172-12-3, ISBN-13: 978-1-947172-12-8

2. Digital plaform for homework (WebAssign OR Cengage Unlimited)

Option A: Just WebAssign Access: EBK WEBASSIGN FOR BRAMSON/BELLOIT/FALD, EDITION: 1, PUBLISHER: VST, ISBN: 8220118197757 This option is one semester access to WebAssign.

Or

Option B: Cengage Unlimited, [Cengage Unlimited Info](#) - This option is more like a subscription to the Cengage Platform for multiple semesters.

### **Course Objectives:**

Upon successful completion of this course, students will:

1. Demonstrate and apply knowledge of properties of functions, including domain and range, operations, compositions, and inverses.
2. Recognize and apply polynomial, rational, radical, exponential and logarithmic functions and solve related equations.
3. Apply graphing techniques.
4. Evaluate all roots of higher degree polynomial and rational functions.
5. Recognize, solve and apply systems of linear equations using matrices.

**Calculator Policy:** Calculators are not permitted for exams. A calculator is a great learning tool. I use an online calculator <https://www.desmos.com/calculator> and it is fairly user friendly. Knowledge of calculators is a helpful skill you need to develop in your learning experience, but you must be able to do the necessary work without the aid of calculator during your exam periods.

**Attendance Policy:** Attendance is essential. Should you be absent, it is your responsibility to find out what was covered in class as soon as possible. I hold you responsible for doing all work you missed, getting notes from a classmate and turning in all work on the day it is due. To see homework given out during the class that you missed, you will need to check Canvas.

### **Evaluation:**

Final Exam 15%, Midterm Exams 60% (15% each), Written Assignments 10%, WebAssign Homework 15%

### **Grade Assignment:**

A: [90%, ); B: [80%, 90%); C: [70%, 80%); D: [60%, 70%); F: [0%, 60%).

A grade of C or better is required for this course to serve as prerequisite for any math course.

**Grade Determination:** Student grade is determined solely by his/her performance on the evaluation criteria. Grades reflect your proficiency of the course content as you have demonstrated them on the evaluation criteria.

**Final Grade:** Students may access their course grades online via the EIS system:  
my.unt.edu/grades

This course topics are as follows:

Equations and Inequalities, 2.1-2.7

Functions, 3.1-3.7

Linear Functions, 4.1, 4.2

Polynomial, and Rational Equations, 5.1-5.7

Exponential and Logarithmic Functions, 6.1-6.7

Systems of Equations, 7.1-7.3

## **Course Policies**

### **Late Work**

No late homework will be accepted for any reason whatsoever. A grade of zero will be assigned to any homework assignment not completed online and submitted by the due date and time. Specifically, due dates will NOT be extended for any reason. Technical difficulty, including loss of internet access, is not an excuse for not completing an assignment.

### **Make-up Exam Policy**

An exam may be taken prior to the scheduled date. In the event of a schedule conflict with a university function, dental/physician's appointment, wedding, formal, or whatever, the student must take the test early. If a student does not take a scheduled exam, a zero will be recorded for that missed exam.

**Exams:** Exams will be delivered through the Canvas platform. You must have a computer capable of utilizing Respondus Monitor and Lockdown Browser. Unfortunately, Chromebooks, iPads, and Linux will not work with this technology. Computers are available on campus in the computer labs. You can test your equipment by accessing: [Test for Lockdown/Respondus - Requires Respondus LockDown Browser + Webcam.](#)

**Written Homework:** The written homework assignments must be uploaded to Canvas for submission through the assignments. No paper submissions will be accepted. Your file must be a PDF file for submission. The intent is to have a guide to review by. Your homework must include details or summaries that can be used to refresh your memory

when we are preparing for the final exam. Work neatly and use appropriate amount of details.

### **Course Grades of “I”**

An "I" grade is a non-punitive grade given only during the last one-fourth of a semester and only if a student (1) is passing the course; (2) has justifiable reason why the work cannot be completed on schedule; and (3) arranges with the instructor to finish the course at a later date by completing specific requirements that the instructor must list on the electronic grade roster. All work in the course must be completed within the specified time (not to exceed one year after taking the course.)

### **Course Drop Policy**

#### **If you are dropping *before* the census date:**

Students who wish to drop a course before the 12th class day of fall or spring terms/semesters or before the equivalent dates for 8 week and summer sessions may do so from their student portal at [my.unt.edu](http://my.unt.edu) or at the Office of the Registrar 1st floor location, ESSC 147. Please note that students wishing to drop the last class on their schedule for the session or term must complete a withdrawal with the Dean of Students.

#### **If you are dropping *after* the census date:**

After the 12th class day for fall or spring terms/semesters, or the equivalent date for 8 week and summer sessions, students must first submit a completed [Request to Drop Class form](#) to the Registrar's Office. Students applying for financial aid are required to notify Student Financial Aid and Scholarships before dropping any class to learn how it will affect current or future financial aid eligibility.

Students who drop a course between the 12th day of class and the designated day of a given semester's 10th week for fall or spring terms/semesters or the equivalent dates for 8 week and summer sessions, will receive a grade of W.

If you have any questions, please call the Registrar's Office at 940-565-2378 or come to the Eagle Student Services Center Room 147.

### **Technical Assistance**

The University of North Texas provides student technical support in the use of Canvas and supported resources.

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

Phone 940.565.2324

In Person Help Sage Hall, Room 130

UIT Help Desk

<https://www.unt.edu/helpdesk/index.htm>

Canvas technical

requirements Canvas technical requirement

<https://clear.unt.edu/supported-technologies/canvas/requirements>

### **Syllabus Change Policy**

I do reserve the right to amend, append or otherwise make changes to this syllabus should the need arise. Any such change will first be discussed with the students and then announced in class.

### **Code of Student**

Conduct Code of Student Conduct: provides Code of Student Conduct along with other useful links; <https://deanofstudents.unt.edu/conduct>

### **Office of Disability Access Counseling and Testing Services**

Office of Disability Access: exists to prevent discrimination based on disability and to help students reach a higher level of independence; <http://disability.unt.edu/>

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; <https://studentaffairs.unt.edu/counseling-and-testing-services>

### **MathLab**

The MathLab is located in Sage Hall 130 and serves students enrolled in MATH 0340, 1000-2000 level classes, MATH 3410 and MATH 3680 at UNT;

<https://learningcenter.unt.edu/math-lab>

### **UNT Libraries**

UNT Libraries <http://www.library.unt.edu/>

UNT Learning Center UNT Learning Center:

provides a variety of services, including tutoring, to enhance the student academic experience; <https://learningcenter.unt.edu/home>

### **UNT Writing Center**

UNT Writing Center: offers free writing tutoring to all UNT students, undergraduate and graduate, including online tutoring; <http://writingcenter.unt.edu> succeed at UNT: information regarding how to be a successful student at UNT;

<https://success.unt.edu/>

### **UNT Policies**

#### **COVID-19 Impact on Attendance**

COVID-19 impact on attendance

While attendance is expected as outlined above, it is important for all of us to be mindful of the health and safety of everyone in our community, especially given concerns about COVID-19. Please contact me if you are unable to attend class because you are ill, or unable to attend class due to COVID-19 including symptoms, potential exposure, pending or positive test results, or if you have been given specific instructions to isolate or quarantine from a health care provider or a local authority. It is important that you communicate with me prior to being absent so I may make a decision about accommodating your request to be excused from class.

If you are experiencing any [symptoms of COVID-19](#) please seek medical attention from the Student Health and Wellness Center (940-565-2333 or [askSHWC@unt.edu](mailto:askSHWC@unt.edu)) or your health care provider PRIOR to coming to campus. UNT also requires you to contact the UNT COVID Hotline at 844-366-5892 or [COVID@unt.edu](mailto:COVID@unt.edu) for guidance on actions to take due to symptoms, pending or positive test results, or potential exposure. While attendance is an important part of succeeding in this class, your own health, and those of others in the community, is more important.

If you are experiencing any [symptoms of COVID-19](#) (<https://www.cdc.gov/coronavirus/2019-ncov/symptoms-testing/symptoms.html>) please seek medical attention from the Student Health and Wellness Center (940-565-2333 or [askSHWC@unt.edu](mailto:askSHWC@unt.edu)) or your health care provider PRIOR to coming to campus. UNT also requires you to contact the UNT COVID Hotline at 844-366-5892 or [COVID@unt.edu](mailto:COVID@unt.edu) for guidance on actions to take due to symptoms, pending or positive test results, or potential exposure. While attendance is an important part of succeeding in this class, your own health, and those of others in the community, is more important.

#### **Class Materials for Remote Instruction**

Additional remote instruction may be necessary if community health conditions change or you need to self-isolate or quarantine due to COVID-19. Students will need access to

a [webcam and microphone – faculty member to include what other basic equipment is needed] to participate in fully remote portions of the class. Additional required classroom materials for remote learning include: [list specific software, supplies, equipment or system requirements needed for the course. Information on how to be successful in a remote learning environment can be found at <https://online.unt.edu/learn>.

## **Face Coverings**

1. Face coverings are required in all UNT facilities. This course has been approved for an exception to the face covering requirement to facilitate student learning. Portions of the class to be delivered without face coverings. Times when face coverings can be removed will be indicated during each class period. If you are unable to wear a face covering or do not feel you can safely attend class without your face covering due to a disability, please contact the Office of Disability Access to request an accommodation. UNT face covering requirements are subject to change due to community health guidelines. Any changes will be communicated by your instructor.
2. Face coverings are required in all UNT facilities. Students are expected to wear face coverings during this class. If you are unable to wear a face covering due to a disability, please contact the Office of Disability Access to request an accommodation. UNT face covering requirements are subject to change due to community health guidelines. Any changes will be communicated via the instructor.

## **Academic Integrity**

Policy Cheating on tests, quizzes or final exams is a serious breach of academic standards and will be punished severely and generally result in a student failing the course. All work done on in-class exams and quizzes must represent only the student's own work, unless otherwise stated in the directions. 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. See <http://facultysuccess.unt.edu/academic-integrity> for details on academic integrity at UNT.

## **ADA Policy**

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 at [disability.unt.edu](http://disability.unt.edu). You may also contact the ODA by phone at (940)565-4323.

### **Emergency Notification and 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.

### **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](http://deanofstudents.unt.edu/conduct).

### **Student Perceptions of Teaching (SPOT)**

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 at <http://spot.unt.edu/> or email [spot@unt.edu](mailto:spot@unt.edu).

## Academic Calendar

### Spring 2021

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January 11, 2021	First class day
January 15, 2021	Last day for change of schedule other than a drop. (Last day to add a class.)
January 18, 2021	MLK Day (university closed)
February 19, 2021	Last day for change in pass/no pass status.
April 2, 2021	No classes
April 2, 2021	Last day to drop a course.
April 2, 2021	Last day to withdraw from the semester. Process must be completed by 5 p.m. in the Dean of Students Office. Grades of W are assigned.
April 3, 2021	Beginning this date a student who qualifies may request a grade of I, incomplete. (See "Grading system" in the Academics section of this catalog.)
April 21-22, 2021	Pre-finals days
April 22, 2021	Last class day
April 23, 2021	Reading day (no classes)
April 24-30, 2021	Final examinations
May 6-9, 2021	Graduation ceremonies

### Lecture Calendar

Week	Monday	Tuesday	Wednesday	Thursday	Friday
1	01/11/21	01/12/21	01/13/21	01/14/21	01/15/21
	Syllabus, Get Started		1.10		2.1
2	01/18/21	01/19/21	01/20/21	01/21/21	01/22/21
	No Classes		2.2		2.3
3	01/25/21	01/26/21	01/27/21	01/28/21	01/29/21
	2.4		2.5		2.6
4	02/01/21	02/02/21	02/03/21	02/04/21	02/05/21
	2.7	Exam 1 Review			3.1
5	02/08/21	02/09/21	02/10/21	02/11/21	02/12/21
	3.2		3.3		3.3
6	02/15/21	02/16/21	02/17/21	02/18/21	02/19/21
	3.4		3.5		3.5

7	02/22/21	02/23/21	02/24/21	02/25/21	02/26/21
	3.6	Exam 2 Review			3.7
8	03/01/21	03/02/21	03/03/21	03/04/21	03/05/21
	4.1		4.2		5.1
9	03/08/21	03/09/21	03/10/21	03/11/21	03/12/21
	5.2		5.3		5.4
10	03/15/21	03/16/21	03/17/21	03/18/21	03/19/21
	5.5	Exam 3 Review			5.6
11	03/22/21	03/23/21	03/24/21	03/25/21	03/26/21
	5.7, 5.8		6.1		6.2
12	03/29/21	03/30/21	03/31/21	04/01/21	04/02/21
	6.3		6.4	No Classes	
13	04/05/21	04/06/21	04/07/21	04/08/21	04/09/21
	6.5		6.6		7.1
14	04/12/21	04/13/21	04/14/21	04/15/21	04/16/21
	7.2	Exam 4 Review			7.3
15	04/19/21	04/20/21	04/21/21	04/22/21	04/23/21
	Review	Review		Reading Day	