

**University of North Texas at Dallas**  
**Spring 2024**  
**Syllabus for Fundamentals of Mathematics**

*Table 1 Course Information*

<b>Department of</b>	<b>Mathematics</b>	<b>School of LAS</b>	
<b>Instructor Name:</b>	<b>Mary Hoyt</b>		
<b>Office Location:</b>	<b>Founders Hall 203</b>		
<b>Office Phone:</b>	<b>972-338-1338</b>		
<b>Email Address:</b>	<a href="mailto:mary.hoyt@untDallas.edu">mary.hoyt@untDallas.edu</a>		
<b>Office Hours:</b>	<b>Monday and Wednesday 10-11:30 am or 1-2:30 pm or by appointment</b>		
<b>Classroom Location:</b>	<i>Online</i>		
<b>Class Meeting Days &amp; Times:</b>	<b>Online</b>		
<b>Course Catalog Description:</b>	Formerly known as MATH1000R. Preparatory course for MATH1332 (formerly MATH1580) and MATH1342 (formerly MATH1680) Topics include basic algebraic operations, linear equations and inequalities, lines in the coordinate plane, sets and logic, counting and probability, functions, graphs and modeling. Successful completion does not award academic credit or fulfill any degree requirement.		
<b>Prerequisites:</b>	A prerequisite score between 336 and 349 on TSI-Math or a P in MATH1301 (formerly UGMT1100). Students should be enrolled in a co-requisite course MATH1354 or MATH1332 or MATH1342.		
<b>Required Text:</b>	You will need to purchase the course from ALEKS. Class assignments, tests and your text book are found in the ALEKS learning system. <b>You will need to register with ALEKS and purchase an access code. See class materials.</b>		
<b>Access to Learning Resources:</b>	<b>UNT Dallas Library:</b> phone: (972) 780-1616 . web: <a href="http://www.untDallas.edu/library">http://www.untDallas.edu/library</a> email: <a href="mailto:library@untDallas.edu">library@untDallas.edu</a>  <b>UNT Dallas Bookstore:</b> phone: (972) 780-3652 web: <a href="http://www.untDallas.edu/bookstore">http://www.untDallas.edu/bookstore</a> e-mail: <a href="mailto:untDallas@bkstr.com">untDallas@bkstr.com</a>		

<p><b>Supported Browsers:</b>  Chrome 67 &amp; 68  Firefox 60 &amp; 61  Flash 29, 30 (for audio/video)  Respondus Lockdown Browser  Safari 10, 11</p> <p><b>Supported Devices:</b>  iPhone  Android  Chromebook  <i>(Tablet users can use the Canvas app)</i></p> <p><b>Screen Readers:</b></p>	<p><b>Access Canvas via <a href="https://untdallas.instructure.com">untdallas.instructure.com</a></b></p> <ul style="list-style-type: none"> <li>• <b>Username:</b> your EUID #</li> <li>• <b>Password:</b> your password</li> </ul> <p><b>Getting Help with Canvas:</b></p> <p><b>Canvas 24/7 Phone Support for Students: 1-833-668-8634</b></p> <p><b>Canvas Help Resources:</b>  <b>Web:</b> <a href="#">Canvas Student Guide</a></p> <p><b>For additional assistance, contact Student Assistance (Distance Learning):</b>  DAL 1, Rm 157  phone: (972)338-5580  email: <a href="mailto:distancelearning@untdallas.edu">distancelearning@untdallas.edu</a></p>
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VoiceOver (Safari) JAWS (Internet Explorer) NVDA (Firefox) <i>Note: There is no screen reader support for Canvas in Chrome</i>	<i><b>If you are working with Canvas 24/7 Support to resolve a technical issue, make sure to keep me updated on the troubleshooting progress.</b></i>  <i><b>If you have a course-related issue (course content, assignment troubles, quiz difficulties) please contact me during office hours or by email.</b></i>
<b>Course Goals or Overview: The goals of this course are as follows -</b>	
<b>Learning Objectives/Outcomes:</b> At the end of this course, students will be able to:	
1	<b>Critical Thinking Skills</b> -to include thinking, innovation, inquiry and analysis, evaluation, and synthesis of information
2	<b>Communication Skills</b> – to include effective development, interpretation & expression of ideas through written, oral and visual communication
3	<b>Empirical and Quantitative Skills</b> – to include the manipulation and analysis of numerical data or observable facts in informed conclusions
4	Correctly conduct elementary algebraic operations
5	Communicate effectively using mathematical phrases
6	Solve equations and inequalities.
7	Analyze functions and their graphs.

### Online Course Outline

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. Additional readings and activities may be added, these will be noted in the Readings and Activities/Assignments sections.

Table 2 Course Schedule

Schedule	Topic	Activities	Due Date
Week 1	Objective 1: Basic Algebra Skills	Initial Knowledge Assessment, ALEKs Work on Objective 1, Introduction Discussion	1/25/24
Week 2	Objective 2: Ratio and Proportions	ALEKs Work on Objective 2, Week 2 Discussion	2/1/24
Week 3	Objective 3: Fractions and Percent	ALEKs Work on Objective 23 Week 3 Discussion	2/8/24
Week 4	Objective 4: Number Theory and Real Numbers	ALEKs Work on Objective 4, Week 4 Discussion	2/15/24
Week 5	Knowledge Assessment 1	ALEKs Knowledge Assessment, Week 5 Discussion	2/22/24
Week 6	Objective 5: Algebraic Operations	ALEKS Work on Objective 5, Week 6 Discussion	2/29/24
Week 7	Objective 6: Expressions	ALEKs Work on Objective 6 Week 7 Discussion	3/7/24
Week 8	Objective 7: Solving Equations	ALEKs Work on Objective 7, Week 8 Discussion	3/14/24
Week 9	Objective 8: Multistep Equations	ALEKs Work on Objective 8, Week 9 Discussion	3/25/24
Week 10	Knowledge Assessment 2	ALEKs Knowledge Assessment, Week 10 Discussion	4/1/24
Week 11	Objective 9: Inequalities	ALEKs Work on Objective 9, Week 11 Discussion	4/1/24
Week 12	Objective 10: Probability and Statistics	ALEKS Work on Objective 10, Week 12 Discussion	4/8/24
Week 13	Objective 11: Graphing	ALEKs Work on Objective 11, Week 13 Discussion	4/15/24
Week 14	Objective 12: Slopes and Lines	ALEKs Work on Objective 12, Week 14 Discussion	4/22/24
Week 15	Objective 13: Functions	ALEKs Work on Objective 13, Week 15 Discussion	4/29/24
Week 16	Knowledge Assessment 3	ALEKs Knowledge Assessment	5/6/24

### **Course Evaluation Methods**

This course will utilize the following instruments to determine student grades and proficiency of the learning outcomes for the course.

### **Check-In Via Zoom (10%)**

During the semester you will receive an email from me with times and dates for a one-on-one meeting. You will be required to meet with me three times during the semester before each assessment. This allows us the time to meet one-on-one to discuss your progress in the course and any issues you are having with the assignments.

### **ALEKS Objectives (60%)**

Work for this course will be completed through ALEKS, an online learning system. ALEKS can be reached through the link in the Canvas course or through [www.aleks.com](http://www.aleks.com). Students need to sign up for an account and join the class using Canvas. Purchase of an access code is required and necessary to complete the course.

ALEKS is a self-paced software that will allow you to navigate through the course objectives at your own pace. Due dates listed above allow you to complete your course work on time and pass the course. The software will give you examples and guided practice problems to review and learn from, followed by independent problems. Completing these problems successfully allows you to move onto the next objective. Not completing the independent problems will prompt the software to review the concepts with you and help you try again.

### **ALEKS Assessments (30%)**

Three assessments will be given throughout the course after objectives 4, 8 and 13. After you complete the previous objective, you are given a knowledge check. The knowledge check is similar to a test and assesses your knowledge. The knowledge check functions as an exam grade and are comprehensive. You must complete the Knowledge Check before progressing to the next objective. Students not completing the knowledge check by the deadline will receive a 0 for the missed assignment.

Exam policy: Objectives and knowledge checks should be taken as scheduled. No makeup examinations will be allowed except for documented emergencies (See Student Handbook).

## **GRADING MATRIX**

### **Instrument Total Points**

#### **GRADE DETERMINATION:**

Objectives: 60%  
Knowledge Checks: 30%  
Check-In: 10%

### **Total 100%**

## **University Policies and Procedures**

### **Students with Disabilities (ADA Compliance):**

#### **Chapter 7(7.004) Disability Accommodations for Students:**

The University of North Texas at Dallas makes reasonable academic accommodation for students with disabilities. Students seeking accommodations must first register with the Disability 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 accommodations at any time, however, DSO 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/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 [Disability Services Office](#). You may also contact them by phone at 972-338-1777; by email at [UNTDDisability@untdallas.edu](mailto:UNTDDisability@untdallas.edu) or at Building PL, room 1104.

### **Disruptive Behavior in an Instructional Setting:**

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 absent 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 (Policy 7.001) 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.

**Canvas Instructure Accessibility Statement:**

University of North Texas at Dallas is committed to ensuring its 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. [Canvas Instructure Accessibility Statement is also provided.](#)

**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.

**Course Evaluation Policy:**

Student's evaluation of teaching effectiveness is a requirement for all organized classes at UNT Dallas. 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. I consider students' evaluations to be an important part of your participation in this class.

**Assignment Policy:** (According to the instructor's discretion while working in concert with the division/program's guidelines).

**Exam Policy:** (Online exams and the ability to retake is solely at the instructor's discretion). **NOTE:** Online exams may be proctored on campus per instructor's discretion.

**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 [UNT Dallas' Student Code of Academic Integrity](#) for complete provisions of this code.

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.

**Web-based Plagiarism Detection:** Please be aware in some online or hybrid courses, students may be

required to submit written assignments to Turnitin, a web-based plagiarism detection service, or another method. If submitting to Turnitin, please remove your title page and other personal information.

## **Classroom Policies**

### **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.

**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.

### **Online "Netiquette":**

In any social interaction, certain rules of etiquette are expected and contribute to more enjoyable and productive communication. Emails, Discussion Board messages and/or any other forms of written communication in the online environment should use proper "netiquette" (i.e., no writing in all caps (usually denotes yelling), no curse words, and no "flaming" messages (angry, personal attacks).

Racial, ethnic, or gender slurs will not be tolerated, nor will pornography of any kind.

Any violation of online netiquette may result in a loss of points or removal from the course and referral to the Dean of Students, including warnings and other sanctions in accordance with the University's policies and procedures. Refer to [UNT Dallas Student Code of Conduct](#). Respect is a given principle in all online communication. Therefore, please be sure to proofread all of your written communication prior to submission.

### **Diversity/Tolerance Policy:**

*Students are encouraged to contribute their perspectives and insights to class discussions in the online environment. 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 Conduct will be referred to the Dean of Students as the instructor deems appropriate.*

**Technology Assistance:** In order 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.

If you experience difficulty accessing or using components of the course, try using Google Chrome browser. If you still experience technical difficulties, first, notify your instructor.

If the problem is still not resolved, call Student Assistance (Distance Learning) at the phone number listed on the first page of the syllabus. Also, no matter what browser you use, always enable pop-ups. For more information see:

- [UNT Dallas Canvas Technical Requirements](#)
- [Canvas Instructure Supported & Unsupported Operating Systems](#)