

University of North Texas at Dallas
Spring 2024
Course Syllabus

MATH 1354-0001 Numbers and Operations for Teachers	
Department: Mathematics	School: Liberal Arts and Sciences
Instructor Name	Dr. Gwendolyn Johnson
Office Location and Phone	DAL 1 room 201R 972-338-1320
Email Address	Gwendolyn.johnson@untdallas.edu You can email me through Canvas, but I will get back to you more quickly if you use the untdallas email. When you email me, please state which class you are in.
Office Hours (in person)	Mondays and Wednesdays noon to 1:00 Tuesdays and Thursdays 11:00 to noon You can visit me in DAL 1 room 201R or request a Zoom session during these hours.
Office Hours (Zoom)	Fridays: noon to 4:00 Please email me a few hours ahead of time to request a Zoom session.
Class Meeting Days, Times, and Location	Mondays and Wednesdays 1:00-2:20 DAL 1 room 336
Course Catalog Description	This course is intended to build or reinforce a foundation in fundamental mathematics concepts and skills. It includes the conceptual development of the following: sets, functions, numeration systems, number theory, and properties of the various number systems with an emphasis on problem solving and critical thinking.
Prerequisites	TSI Math complete or MATH 1010 with a grade of C or better
Required Textbook	None
Learning Resources	Canvas Support Hotline <ul style="list-style-type: none"> • 833-668-8634 UNT Dallas Learning Commons <ul style="list-style-type: none"> • http://www.untdallas.edu/ml • Free math tutoring and homework help UNT Dallas School of Education www.untdallas.edu/soe

Grade Determination

In this course, the following assessments will be used to determine student grades.

Instrument	Points	Total
Attendance		10
Number Talks	4 Number Talks at 20 points each	80
Quizzes	8 quizzes at 40 points each	320
Midterm Exam		90
Final Exam		100
Total		600

A = 90% or better

B = 80% - 89%

C = 70% - 79%

D = 60% - 69%

F = less than 60%

Class Policies

Quizzes

Calculators will NOT be allowed on quizzes. Make-up quizzes and exams need to be taken in the UNT Dallas Testing Center. **Each student may make up no more than two quizzes during the semester. If you are absent for more than two quizzes, you will receive a zero on any quiz past the two you can make up.**

Final Exam

Calculators will NOT be allowed on the midterm or final exam. If you are more than 20 minutes late for the midterm or 30 minutes late to the final exam, you will not be able to take the exam at that time. You will need to schedule a make-up exam with UNT Dallas Testing Services.

Learning Objectives

1. Explain and model the arithmetic operations for whole numbers and integers.
2. Explain and model computations with fractions, decimals, ratios, and percentages.
3. Describe and demonstrate how factors, multiples, and prime numbers are used to solve problems.
4. Apply problem-solving skills to numerical applications.
5. Represent and describe relationships among sets using the appropriate mathematical terminology and notation.
6. Compare and contrast structures of numeration systems.

Course Outline

This schedule is subject to change by the instructor. Changes to this schedule will be communicated via Canvas.

Date	In-class Topics and Quiz	Homework
Wednesday January 17	Grade 5 Properties Grade 5 Place Value of Decimals Grade 5 Round Decimals	Grade 5 Module 1 Assessment
Monday January 22	Addition Strategies Grade 5 Partial Quotients Grade 5 Estimate with 2-Digit Divisors	Grade 5 Module 2 Assessment
Wednesday January 24	Students lead addition number talks. Grade 5 Multiply Decimals and Whole Numbers Grade 5 Decimal Multiplication	Grade 5 Module 3 Assessment
Monday January 29	Grade 5 Estimate Quotients Grade 5 2-Digit Divisors Quiz 1: Multiply and Divide Decimals and Whole Numbers	Grade 5 Module 4 Assessment
Wednesday January 31	Students lead addition number talks. Grade 5 Estimate Fraction Sums and Differences Grade 5 Common Denominators and Equivalent Fractions Grade 5 Add and Subtract Fractions Grade 5 Subtraction with Renaming	Grade 5 Unit 1 Assessment
Monday February 5	Students lead addition number talks. Grade 5 Fraction and Whole-Number Multiplication Grade 5 Fraction and Whole-Number Division Grade 5 STAAR questions on Fractions	Grade 5 Module 5 Assessment
Wednesday February 7	No class – please complete Homework	Grade 5 Module 6 Assessment
Monday February 12	Subtraction Strategies Grade 5 Factors and Divisibility Grade 5 Prime and Composite Numbers Quiz 2: Fractions	Grade 5 Unit 2 Assessment
Wednesday February 14	Students lead subtraction number talks. Grade 5 Simplify Numerical Expressions Grade 5 Grouping Symbols	Grade 5 Module 7 Assessment
Monday February 19	Students lead subtraction number talks. Grade 5 Equations Quiz 3: Prime/Composite Numbers, Order of Operations	Grade 5 Module 8 Assessment
Wednesday February 21	Students lead subtraction number talks. Grade 5 Number Patterns Grade 5 Number Patterns in Tables	Grade 5 Unit 3 Assessment
Monday February 26	Students lead subtraction number talks. Grade 5 Personal Financial Literacy Quiz 4: Equations, Number Patterns, Financial Literacy	Review for the Midterm Exam
Wednesday February 28	Midterm Exam	

Monday March 4	Multiplication Strategies Grade 6 Comparing and Ordering Integers Grade 6 Absolute Value	Ready to Go On? (Integers)
Wednesday March 6	Students lead multiplication number talks. Grade 6 Classifying Rational Numbers Grade 6 Comparing and Ordering Rational Numbers	Ready to Go On? (Rational Numbers)
March 11-15	Spring Break	
Monday March 18	Students lead multiplication number talks. Grade 6 Multiplying Fractions Grade 6 Dividing Fractions	Ready to Go On? (Multiplying and Dividing Fractions)
Wednesday March 20	Grade 6 Multiplying Decimals Grade 6 Dividing Decimals Quiz 5: Integers and Rational Numbers	Ready to Go On? (Multiplying and Dividing Decimals)
Monday March 25	Students lead multiplication number talks. Grade 6 Adding Integers with Different Signs Grade 6 Subtracting Integers	Ready to Go On? (Adding and Subtracting Integers)
Wednesday March 27	Students lead multiplication number talks. Grade 6 Multiplying Integers	Ready to Go On? (Multiplying and Dividing Integers)
Monday April 1	Division Strategies Grade 6 Ratios Grade 6 Using Ratios and Rates to Solve Problems	Ready to Go On? (Representing Ratios and Rates)
Wednesday April 3	Students lead division number talks. Grade 6 Solving Problems with Proportions Quiz 6: Computation with Integers; Ratios and Rates	Ready to Go On? (Applying Ratios and Rates)
Monday April 8	No class due to Solar Eclipse activities	
Wednesday April 10	Students lead division number talks. Grade 6 Understanding Percent Grade 6 Percents, Fractions, and Decimals	Module 8 Texas Test Prep
Monday April 15	Students lead division number talks. Grade 6 Solving Percent Problems Factors, Multiples, Common Factors, Common Multiple	Ready to Go On? (Percents)
Wednesday April 17	Students lead division number talks. Grade 6 Prime Factorization Grade 6 Order of Operations Quiz 7: Percents	Ready to Go On? (Generating Equivalent Numerical Expr.)
Monday April 22	Students lead division number talks. Grade 6 Writing Equations to Represent Situations	Ready to Go On? (Equations and Relationships)
Wednesday April 24	Grade 6 Personal Financial Literacy	Ready to Go On? (Becoming a Knowledgeable Consumer)
Monday April 29	Grade 7 Rational Numbers Quiz 8: Grade 6 Numbers, Operations, Financial Literacy	Ready to Go On? (Rational Numbers)
Wednesday May 1	Grade 7 Percent Increase and Decrease Grade 7 Applications of Percent	Ready to Go On? (Proportions and Percent)
Monday May 6	Final Exam	

University Policies and Procedures

Students with Disabilities (ADA Compliance):

The University of North Texas at Dallas makes reasonable academic accommodations for students with disabilities. Students seeking accommodations must first register with the Disabilities 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 delays in implementation. Note that a student 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 letter during their designated office hours to protect the privacy of the student. For additional information see the Disability Services Office website at <http://www.untDallas.edu/disability>. You may also contact them by phone at 972-338-1777; by email at UNTDDisability@untDallas.edu on the first floor of the Student Center.

Canvas Instructure Accessibility Statement:

University of North Texas at Dallas is committed to ensuring that 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. The Canvas Instructure Accessibility Statement is provided at <https://www.canvaslms.com/accessibility>.

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.

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 the UNT Dallas Academic Integrity Policy in the appropriate Catalog at <http://dallascatalog.unt.edu>.

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 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.

Diversity/Tolerance Policy:

Students are encouraged to contribute their perspectives and insights to class discussions. 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's Rights, Responsibilities, and Conduct will be referred to the Dean of Students as the instructor deems appropriate (UNT Policy 7.001 found at <https://www.untDallas.edu/hr/upol>).

Classroom Disruption:

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 (UNTD Policy 7.001 found at <https://www.untDallas.edu/hr/upol>) 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.

Course Evaluations:

Student's evaluations 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 via your campus email, providing you a chance to comment on how this class is taught. I will not have access to the results of the evaluations until after final grades have posted. 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.

Bad Weather Policy:

Campus facilities will close and operations will be suspended when adverse weather and/or safety hazards exist on the UNTD campus or if travel to the campus is deemed dangerous as the result of ice, sleet or snow. In the event of a campus closure, the Marketing and Communication Department will report closure information to all appropriate major media by 7 a.m. That department will also update the UNTD website, Facebook and Twitter with closing information as soon as it is possible. For more information please refer to <http://www.untDallas.edu/police/resources/notifications>.

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.