University of North Texas at Dallas

Fall 2024

Course Syllabus

EDEE 4350-0002 Mathematics in Grades EC-8	
Instructor Name	Dr. Johnson
Office Location and Phone	DAL 1 room 201R 972-338-1320
Email Address	Gwendolyn.johnson@untdallas.edu You can send me a message through Canvas, but I will get back to you more quickly if you use the untdallas email.
Office Hours (in person)	Tuesdays and Thursdays 11:30 to 1:00 and 2:30 to 3:00 You can visit me in DAL 1 room 201R or request a Zoom session during these hours.
Office Hours (Zoom)	Mondays and Wednesdays 10:00 to noon Please email me at least an hour ahead of time to request a Zoom session. I am also available at other times; let me know what works for you.
Class Meeting Days and Times	Tuesdays and Thursdays 10:00-11:20
Course Catalog Description	Principles in mathematics teaching and learning based on national curriculum and assessment standards. The learning process in the development of mathematical thinking and skills in children. Students observe mathematics instruction and materials in real settings and experience firsthand the scope and sequence of mathematics in a primary/elementary/middle school setting. Assignments, directed field experience and other class activities take place on site in a school setting.
Prerequisites	Must be admitted to the Teacher Education Program and approved for Clinical 1 Methods enrollment.
Required Textbook	*Guiding Children's Learning of Mathematics* 13th Edition by Art Johnson, Steve Tipps, and Leonard Kennedy; Cengage
Learning Resources	Canvas Support Hotline • 833-668-8634 UNT Dallas Learning Commons • http://www.untdallas.edu/ml • Free math tutoring and homework help UNT Dallas School of Education www.untdallas.edu/soe

Grade Determination

Instrument	Points	Total
Discussion Questions	25 classes @ 10 points each	250
Papers	4 papers @ 100 points each	400
Presentations	4 presentations @ 25 points each	100
Midterm Exam		50
Final Exam		100
Total		**900**

A = 90% or better B = 80% - 89% C = 70% - 79% D = 60% - 69% F = below 60%

Course Policies

Attendance

If you are sick, please do NOT come to class. The instructor can adjust your attendance grade at her discretion, if necessary.

The University attendance policy is in effect for this course. Please refer to Policy 7.005 Student Attendance at https://www.untdallas.edu/hr/upol. Absences will be excused for these reasons:

1. Religious holy day
2. Active miliary service
3. Pregnancy or childbirth as long as the student's doctor deems the absence medically necessary

Discussion Questions

Discussion questions will be completed in class. You will earn 0 to 10 points for each set of questions. Your grade for Discussion Questions will depend both on your contributions to in-class discussions and your written responses. If you are absent, complete the discussion questions on your own and turn them in within one week of the class you missed. Discussion questions submitted more than a week after a missed class will not be accepted. If you were absent, the grade will depend entirely on your written responses, so your written responses should be clear and complete. **No more than three sets of discussion questions can be completed outside of class due to absences. After three absences, you will receive zeros for the discussion questions that you miss.**

Papers

Papers must be typed and submitted to Canvas as a Word document. A late penalty of 10% will be assessed if the paper is submitted up to three days late. A 20% late penalty will be assessed for papers submitted between three and 10 days after the due date. Papers will not be accepted more than 10 days after the due date. No exceptions will be made for issues with Canvas. Plan ahead and don't wait until the last minute!

Midterm and Final Exam

If you are more than 20 minutes late to 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. A make-up midterm exam must be taken within one week of the originally-scheduled date. A make-up final exam must be taken by the end of final exam week.

Learning Objectives

At the end of this course, the student will:

1. Describe how to organize effective instruction.
2. Describe how to integrate assessment.
3. Describe strategies for teaching number and operations concepts and developing computational fluency.
4. Describe strategies for teaching fractions, decimals, percents, and proportional reasoning.
5. Describe strategies for teaching geometry, measurement, data analysis and probability.

Course Outline

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

Date	Topic – In Class	Homework: Readings and Assignments
Tuesday August 27	Elementary Mathematics for the 21st Century Defining a Comprehensive Mathematics Program **Discussion Questions Chapters 1 and 2**	Chapters 1 and 2
Thursday August 29	Mathematics for Every Child **Discussion Questions Chapter 3**	Chapter 3
Tuesday Sept. 3	Learning Mathematics **Discussion Questions Chapter 4**	Chapter 4
Thursday Sept. 5	Organizing Effective Instruction **Discussion Questions Chapter 5**	Chapter 5
Tuesday Sept. 10	Integrating Assessment **Discussion Questions Chapter 6**	Chapter 6
Thursday Sept. 12	Developing Problem-Solving Strategies **Discussion Questions Chapter 7**	Chapter 7
Tuesday Sept. 17	**Presentation #1 is due**	**Paper #1: Instruction and Assessment is due**
Thursday Sept. 19	Developing Concepts of Number **Discussion Questions Chapter 8**	Chapter 8
Tuesday Sept. 24	Extending Number Concepts and Number Systems **Discussion Questions Chapter 9**	Chapter 9
Thursday Sept. 26	Developing Number Operations with Whole Numbers **Discussion Questions Chapter 10 Part 1**	Chapter 10
Tuesday October 1	Developing Number Operations with Whole Numbers **Discussion Questions Chapter 10 Part 2**	Chapter 10
Thursday October 3	Extending Computational Fluency with Larger Numbers **Discussion Questions Chapter 11**	Chapter 11
Tuesday October 8	**Discussion Questions Chapter 12 Part 1** **Midterm Exam covers Chapters 1 through 11**	Chapter 12
Thursday October 10	Developing Underst. of Common and Decimal Fractions **Discussion Questions Chapter 12 Part 2**	Chapter 12
Tuesday October 15	**Presentation #2 is due**	**Paper #2: Number and Operations, Computational Fluency is due**

Date	Topic – In Class	Homework: Readings and Assignments
Thursday October 17	Extending Understanding of Common and Decimal Fractions **Discussion Questions Chapter 13 Part 1**	Chapter 13
Tuesday October 22	Extending Understanding of Common and Decimal Fractions **Discussion Questions Chapter 13 Part 2**	Chapter 13
Thursday October 24	Developing Aspects of Proportional Reasoning: Ratio, Proportion, and Percent **Discussion Questions Chapter 14**	Chapter 14
Tuesday October 29	Thinking Algebraically **Discussion Questions Chapter 15 Part 1**	Chapter 15
Thursday October 31	Thinking Algebraically **Discussion Questions Chapter 15 Part 2**	Chapter 15
Tuesday Nov. 5	Developing Geometric Concepts and Systems **Discussion Questions Chapter 16 Part 1**	Chapter 16
Thursday Nov. 7	**Presentation #3 is due**	**Presentation #3: Fractions, Decimals, Percents, Proportional Reasoning, Thinking Algebraically**
Tuesday Nov. 12	Developing Geometric Concepts and Systems **Discussion Questions Chapter 16 Part 2**	Chapter 16
Thursday Nov. 14	Developing and Extending Measurement Concepts **Discussion Questions Chapter 17 Part 1**	Chapter 17
Tuesday Nov. 19	Developing and Extending Measurement Concepts **Discussion Questions Chapter 17 Part 2**	Chapter 17
Thursday Nov. 21	Understanding and Representing Concepts of Data **Discussion Questions Chapter 18 Part 1**	Chapter 18
Tuesday Nov. 26	Understanding and Representing Concepts of Data **Discussion Questions Chapter 18 Part 2**	Chapter 18
Thursday Nov. 28	No class due to Thanksgiving	
Tuesday Dec. 3	**Presentation #4 is due**	**Paper #4: Geometry, Measurement, or Data Analysis is due**
Thursday Dec. 5	Investigating Probability **Discussion Questions Chapter 19**	Chapter 19
Final Exam Week	**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.

Classroom Etiquette:

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 (UNTD Policy 7.001 found at https://untsystem.policytech.com/dotNet/documents/?docid=1278&public=true).

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://untsystem.policytech.com/dotNet/documents/?docid=1278&public=true) 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.

Technology Assistance: In order to successfully access the materials in Canvas, 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 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: https://community.canvaslms.com/docs/DOC-10721
- Canvas Instructure Support & Unsupported Operating Systems: https://community.canvaslms.com/docs/DOC-10720