



MATH 1332 – Contemporary Math

Course Syllabus: Fall 2026 16 weeks

“Northeast Texas Community College exists to provide personal, dynamic learning experiences empowering students to succeed.”

Primary Instructor: Megan Miller

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Weekday	Office Hours
Monday	By appointment only
Tuesday	By appointment only
Wednesday	By appointment only
Thursday	By appointment only
Friday	By appointment only

This syllabus serves as the documentation for all course policies and requirements, assignments, and instructor/student responsibilities.

Information relative to the delivery of the content contained in this syllabus is subject to change. Should that happen, the student will be notified.

Course Description:

Intended for Non-STEM (Science, Technology, Engineering, and Mathematics) majors. Topics include introductory treatments of sets and logic, financial mathematics, probability and statistics with appropriate applications. Number sense, proportional reasoning, estimation, technology, and communication should be embedded throughout the course. Additional topics may be covered.

Prerequisite(s): None

Student Learning Outcomes:

Upon successful completion of this course, students will:

1. Apply the language and notation of sets.
2. Determine the validity of an argument or statement and provide mathematical evidence.
3. Solve problems in mathematics of finance.
4. Demonstrate fundamental probability/counting techniques and apply those techniques to solve problems.
5. Interpret and analyze various representations of data.
6. Demonstrate the ability to choose and analyze mathematical models to solve problems from real-world settings, including, but not limited to, personal finance, health literacy, and civic engagement.

Evaluation/Grading Policy:

The breakdown of the course requirements is as follows:

%	Requirement
25%	Midterm Exam
25%	Final Exam
50%	Homework, and Quizzes

Semester grades will be earned as follows

Percentage	Letter Grade
90% and above	A
80 %–89%	B
70 %–79%	C
60%–69 %	D
59.9% and below	F

Required Instructional Materials:

Kirk, D. (2023). *Contemporary Mathematics*. OpenStax

OpenStax. <https://openstax.org/books/contemporary-mathematics/pages/1-introduction>

Publisher: OpenStax

ISBN Number:

Color:

ISBN-13: 978-1-711470-55-9

Black and White:

ISBN-13: 978-1-711470-54-2

Digital PDF:

ISBN-13: 978-1-951693-68-8

Optional Instructional Materials:

None

Minimum Technology Requirements:

Scientific Calculator required. TI-83/84 is recommended. A free online TI-83 will be available in Blackboard for Window PCs.

The TI-84 Online Calculators is available for individual purchase by students through the TI Store. A single license for the TI-84 Online Calculator is \$20 per year and the single license for the TI Nspire CX II Online Calculator is

\$27.50 per year. Both online calculator solutions come with full math functionality. For a full list of specifications and a comparison chart of the various functionalities for each of the online calculator solutions, please click on the appropriate link below.

- TI-84 Plus CE ONLINE Calculator - \$20.00 per year for an individual license
- TI-Nspire CX II ONLINE Calculator - \$27.50 per year for an individual license.

The link to the TI Store where students can purchase their individual licenses is found below:

TI STORE

Below are some technical requirements for using Blackboard that will help your experience in this course.

You will see the NTCC Tech Support email address and phone number below. Please contact them if you run into any technical problems during the semester. Please let your instructor know you are having difficulties as well.

If you need further NTCC technical support services, please contact Austin Baker or Mary Lou Pemberton at:
abaker@ntcc.edu or 903-434-8279
mpemberton@ntcc.edu or 903-434-8270

Blackboard will work on both a Mac and a PC. (Chrome Books are known to have issues with Blackboard.) It is best to access Blackboard through Fire-Fox or Chrome as your web browser. If you have trouble with any of the activities working properly, you might change your web browser as your first solution. The Default Browser in Windows 10 is Edge. This browser does not do well with Blackboard! If you go to Windows Accessories, you will find Internet Explorer still on your computer but is not your default browser. If you have any difficulties navigating with Edge, close it and go to Internet Explorer.

To use TEAMS, you must have access to a computer with high-speed internet, a microphone, a Webcam, and appropriate systems rights to download any necessary software. Please note, the college does not provide this equipment.

You can download Blackboard Student for your smart phone from the Play store or the App store.

More information is available for Technology Requirements and Support under the Student Resources – Technical Support Tab in Blackboard.

Required Computer Literacy Skills:

As a hybrid student you will have a much different "classroom" experience than a traditional student. In order to ensure that you are fully prepared for your online part of the course, following is a list of expectations and requirements: Students in a hybrid and/or on-line program should be comfortable with and possess the following skill sets:

1. Self-discipline
2. Problem solving skills
3. Critical thinking skills
4. Enjoy communication in the written word

As part of your online experience, you can expect to utilize a variety of technology mediums as part of your curriculum:

1. Communicate via email including sending attachments.
2. Navigate the World Wide Web using a Web browser such as Internet Explorer.
3. Use office applications such as Microsoft Office (or similar) to create documents.

4. Be willing to learn how to communicate using a discussion board and upload assignments to a classroom Web site.
5. Be comfortable uploading and downloading saved files
6. Have easy access to the Internet.
7. Navigate Blackboard, including using the email component within Blackboard. Instructions and tutorials for this are provided in your course.

For more information or technical assistance on using the Learning Management System, please refer to the Home Page, Orientation Module, in the important technical requirements, information and support folder in Blackboard.

Course Structure and Overview:

This is a sixteen-week course where students are required to access graded activities on the Blackboard Learning Management System. A typical class involves general participation by all members in discussions regarding mathematical principles and procedures being studied. Students are required to complete online homework, as well as other assignments. It is very important for students to keep up with course materials and assignments. Students are expected to watch instructional videos, read course textbooks, and complete online assignments located in the Learning Management System, Blackboard by due dates.

Video Recording of Course Activities:

Certain portions of this course may be recorded via video conferencing software to assist students in course material review or later viewing by a student who was not able to attend the live session. The recordings will be made available only to students within the course and will cease to be available upon completion of the course. Students may not retain, reproduce, or share recordings.

Communications:

Emails, TEAMS, Blackboard and phone messages will be responded to within 24 hours. If you do not receive a response within 24 hours, then the email or phone message was not received. Posts in the Discussion Forum "Questions, Comments, and/or Concerns?" will be monitored by the instructor. Responses by the instructor will be within 72 hours of post. Students are expected to abide by Netiquette rules when communicating online. See this link for details: Netiquette Rules.

The college's official means of communication is via your campus email address. I will use your campus email address, TEAMS, and Blackboard messages to communicate with you outside of class. Make sure you keep your campus email cleaned out and below the limit so you can receive important messages.

Institutional/Course Policy:

No late work will be accepted without prior approval by the instructor. Students are always expected to be respectful toward classmates and professors! Review Student Conduct in the Student Handbook. It is the student's responsibility to check Blackboard for important information/announcements regarding the course. Students should be working on course material via Blackboard every week. Do not wait until the last minute to complete and submit assignments in case of technology issues.

Alternate Operations During Campus Closure and/or Alternate Course Delivery Requirements:

In the event of an emergency or announced campus closure due to a natural disaster or pandemic, it may be necessary for Northeast Texas Community College to move to altered operations. During this time, Northeast Texas Community College may opt to continue delivery of instruction through methods that include, but are not limited to, online through the Blackboard Learning Management System, online conferencing, email messaging, and/or an alternate schedule. It is the responsibility of the student to monitor NTCC's website (<http://www.ntcc.edu/>) for instructions about continuing courses remotely, Blackboard for each class for course-specific communication, and NTCC email for important general information.

Additionally, there may be instances where a course may not be able to be continued in the same delivery format as it originates (face-to-face, fully online, live remote, or hybrid). Should this be the case, every effort will be made to continue instruction in an alternative delivery format. Students will be informed of any changes of this nature through email messaging and/or the Blackboard course site.

Statement Regarding the Use of Artificial Intelligence (AI) Technology:

Employees and students shall be permitted to explore artificial intelligence (AI) and implement its use in and out of the classroom in accordance with policy and administrative regulations. The use of AI shall only be as a support tool to enhance student outcomes or as necessary to engage in research and shall never take the place of faculty, staff, and student decision-making. Any use of AI must comply with law, policy, and administrative regulations relating to student and employee privacy and data security. A student shall only use AI tools with faculty permission and shall be expected to produce original work and properly credit sources, including AI tools used in creating the work.

Example:

APA (7th edition)

OpenAI. (2026). ChatGPT (March 25 version) [Large language model]. <https://chat.openai.com/>

MLA (9th edition)

OpenAI. ChatGPT. 25 Mar. 2026, <https://chat.openai.com/>.

Employees or students who use AI tools to deceptively harm, bully, or harass others shall be disciplined in accordance with policy. [See DH, DIA series, FFD series, FFE, FLB, and the FM series] AI Use by Employees and Students. Northeast Texas Community College 225500 TECHNOLOGY RESOURCES CRB ARTIFICIAL INTELLIGENCE (LOCAL) DATE ISSUED: 12/8/2025 1 of 1 UPDATE 50 CRB(LOCAL)-AJC Adopted: 12/16/2025

NTCC Academic Honesty/Ethics Statement:

NTCC upholds the highest standards of academic integrity. The college expects all students to engage in their academic pursuits in an honest manner that is beyond reproach using their intellect and resources designated as allowable by the course instructor. Students are responsible for addressing questions about allowable resources with the course instructor. Academic dishonesty such as cheating, plagiarism, and collusion is unacceptable and may result in disciplinary action. This course will follow the NTCC Academic Honesty and Academic Ethics policies stated in the Student Handbook. Refer to the student handbook for more information on these subjects.

ADA Statement:

It is the policy of NTCC to provide reasonable accommodation for qualified individuals who are students with disabilities. This College will adhere to all applicable federal, state, and local laws, regulations, and guidelines with respect to providing reasonable accommodation as required to afford equal educational opportunity. It is the student's responsibility to request accommodation. An appointment can be made with the Academic Advisor/Coordinator of Special Populations located in Student Services and can be reached at 903-434-8264. For more information and to obtain a copy of the Request for Accommodations, please refer to the special populations page on the NTCC website.

Eagle Assist

At Northeast Texas Community College, we understand that students often need support that extends beyond the classroom. "Eagle Assist" is the place to start when looking for that type of assistance. Our support system is here to help you succeed in both your academic and personal growth. www.ntcc.edu/eagleassist

Services provided:

- Mental Health Counseling
- Classroom Accommodations

- NTCC Care Center Food & Hygiene Closet
- Financial Literacy
- Students with Children
- Emergency Aid
- Tutoring

Students may experience stressors that can impact both their academic experience and their personal well-being. These may include academic pressure and challenges associated with relationships, mental health, alcohol or other drugs, identities, finances, etc.

Mental Health Counseling Services are available on campus- in person and online - to all NTCC students at no cost. If you are experiencing concerns, seeking help is a courageous thing to do. You can also contact us directly at counseling-center@ntcc.edu

Family Educational Rights and Privacy Act (FERPA):

The Family Educational Rights and Privacy Act (FERPA) is a federal law that protects the privacy of student education records. The law applies to all schools that receive funds under an applicable program of the U.S. Department of Education. FERPA gives parents certain rights with respect to their children's educational records. These rights transfer to the student when he or she attends a school beyond the high school level. Students to whom the rights have transferred are considered "eligible students." In essence, a parent has no legal right to obtain information concerning the child's college records without the written consent of the student. In compliance with FERPA, information classified as "directory information" may be released to the general public without the written consent of the student unless the student makes a request in writing. Directory information is defined as: the student's name, permanent address and/or local address, telephone listing, dates of attendance, most recent previous education institution attended, other information including major, field of study, degrees, awards received, and participation in officially recognized activities/sports.

Tentative Course Schedule: Math1332.045 DC

Weeks	Topics	Assignments	Due Dates
Week 1: 8/24/26 – 8/30/26	Orientation	Read through orientation module Complete Syllabus Acknowledgement Agreement	8/30/26
Week 2: 8/31/26 – 9/6/26	Chapter 1: Sets	Chapter 1: Textbook Reading and Homework	9/6/26
Week 3: 9/7/26 – 9/13/26 <i>Labor Day Holiday: 9/7/26</i> <i>Fall Census Due: 9/9/26</i>	Chapter 2: Logic	Chapter 2: Textbook Reading and Homework	9/13/26
Week 4: 9/14/26 – 9/20/26	Chapter 3: Real Number Systems and Number Theory	Chapter 3: Textbook Reading and Homework	9/20/26
Week 5: 9/21/26 – 9/27/26	Chapter 4: Number Representation and Calculation	Chapter 4: Textbook Reading and Homework	9/27/26
Week 6: 9/28/26 – 10/4/26	Chapter 5: Algebra	Chapter 5: Textbook Reading and Homework	10/4/26
Week 7: 10/5/26 – 10/11/26	Chapter 6: Money Management	Chapter 6: Textbook Reading and Homework	10/11/26
Week 8: 10/12/26 – 10/18/26	10/18/26: Midterm Exam Due		10/18/26
Week 9: 10/19/26 – 10/25/26	Chapter 7: Probability	Chapter 7: Textbook Reading and Homework	10/25/26
Week 10: 10/26/26 – 11/1/26	Chapter 8: Statistics	Chapter 8: Textbook Reading and Homework	11/1/16
Week 11: 11/2/26 – 11/8/26	Chapter 9: Metric Measurements	Chapter 9: Textbook Reading and Homework	11/8/26
Week 12: 11/9/26 – 11/15/26 <i>Last Day to Withdraw with a Grade of "W": 11/17/26</i>	Chapter 10: Geometry	Chapter 10: Textbook Reading and Homework	11/15/26

Week 13: 11/16/26 – 11/22/26	Chapter 11: Voting and Apportionment	Chapter 11: Textbook Reading and Homework	11/22/26
Week 14: 11/23/26 – 11/29/26 <i>Thanksgiving Break: 11/25/26 – 11/27/26</i>	Chapter 12: Graph Theory	Chapter 12: Textbook Reading and Homework	11/29/26
Week 15: 11/30/26 – 12/6/26	Chapter 13 Math and ...	Chapter 13: Textbook Reading and Homework	12/6/26
Week 16: 12/7/26 – 12/10/26	Final exams week. <i>Fall Graduation: 12/11/26 @ 7:00 pm</i>		12/10/26