



Math 1314.053 DC College Algebra

Course Syllabus: Fall 2021

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

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Office Hours	Monday	Tuesday	Wednesday	Thursday	Friday	Online
	none	DPP	DPP	DPP	DPP	By appointment

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: In-depth study and applications of polynomial, rational, radical, exponential and logarithmic functions, and systems of equations using matrices. Additional topics such as sequences, permutations, combinations, and probability may be included as time permits. Three hours credit.

Prerequisite(s): 1) TSI Not Complete – Multiple Measures Placement with Corequisite Model
or 2) TSI Complete Status

Student Learning Outcomes:

1314.1 Demonstrate and apply knowledge of properties of functions, including domain and range, operations, compositions, and inverses.

1314.2 Recognize and apply polynomial, rational, radical, exponential, and logarithmic functions and solve related equations.

1314.3 Apply graphing techniques.

1314.4 Evaluate all roots of higher degree polynomial functions.

1314.5 Recognize, solve and apply systems of linear equations using matrices.

Core Curriculum Purpose and Objectives:

Through the core curriculum, students will gain a foundation of knowledge of human cultures and the physical and natural world; develop principles of personal and social responsibility for living in a diverse world; and advance intellectual and practical skills that are essential for all learning.

Courses in the foundation area of mathematics focus on quantitative literacy in logic, patterns, and relationships. In addition, these courses involve the understanding of key mathematical concepts and the application of appropriate quantitative tools to everyday experience.

Program Learning Outcomes (PLOs):

Critical Thinking Skills

CT.1 Students will demonstrate the ability to 1) analyze complex issues, 2) synthesize information, and 3) evaluate the logic, validity, and relevance of data.

Communication Skills

CS.1 Students will effectively develop, interpret and express ideas through written communication.

Empirical and Quantitative Skills

EQS.1 Students will manipulate numerical data or observable facts by organizing and converting relevant information into mathematical or empirical form

EQS.2 Students will analyze numerical data or observable facts by processing information with correct calculations, explicit notations, and appropriate technology.

EQS.3 Students will draw informed conclusions from numerical data or observable facts that are accurate, complete, and relevant to the investigation.

Evaluation/Grading Policy: Students will complete assignments and tests using Pearson MyMathLab.

Homework Assignments: 15%

Quiz/Projects: 20%

Exams: 45%

Final Exam: 20%

“A” 90-100

“B” 80-89

“C” 70-79

“D” 60-69

“F” below 60

There will be no exemptions from the college final

Any late assignment will receive a 25% off penalty.

Required Instructional Materials: Blitzer; College Algebra, 7th Edition

MyMathLab Access Code and CHHS will check out the textbook to you.

Publisher: Pearson

ISBN Number: 978-0-13-446916-4

Optional Instructional Materials: None

Minimum Technology Requirements: Computer and Internet Access

Required Computer Literacy Skills: None

Course Structure and Overview: There will be 2 to 3 lectures per week. Students will be given Pearson work days twice a week. Students will show their work on paper and turn it in. Students may use calculators. If a student does not have a calculator, he or she may check one out from the library or use the one that is install on the Chromebook.

Communications: There is usually a 24 hour turnaround time for email responses. Reminder: NTCC email is the official form of communication used by the college- please CC me at my CHISD email.

Institutional/Course Policy: This is a dual credit class held on the Chapel Hill ISD campus. Students are required to follow the attendance and dress code, as well as all other rules and acceptable use policies stated in the CHHS student code of conduct. Students are expected to behave as responsible college students; therefore, no academic information about a student can be given to another individual or parents without the expressed written consent of the student. Regular and punctual attendance at all scheduled classes is expected. Attendance is necessary for successful completion of course work.

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.

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 accommodations 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 accommodations as required to afford equal educational opportunity. It is the student's responsibility to request accommodations. 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.

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 Timeline (*note* instructor reserves the right to make adjustments to this timeline at any point in the term):

Week	Date	Textbook Section
1	8/18-8/20	Ch. P, P1
2	8/23-8/27	P2, P3, P4, P5, Test
3	8/30-9/3	1.1 and 1.2
4	9/6-9/10	1.4 and 1.5
5	9/13-9/17	1.6
6	9/20-9/24	1.7, Ch. 1 Review and Test
7	9/27-10/1	2.3 and 2.4
8	10/4-10/10	2.6 and 2.7
9	10/11-10/15	2.8, Ch. 2 Review and Test
10	10/18-10/22	3.1, 3.2, and 3.3
11	10/25-10/28	3.4 and 3.5
12	11/1-11/5	Ch. 3 Review and test
13	11/8-11/12	5.1 and 6.1
14	11/15-11/19	6.3 and 4.1
15	11/29-12/3	4.2 and 4.3, Review, Test
16	12/6-12/10	Final Exam Review
17	12/13-12/17	Final Exam