Navajo Technical University   http://www.navajotech.edu

PO Box 849, Crownpoint, NM 87313   Tel: (505) 387-7401

Course Title: Intermediate Algebra
Course #: MATH 1215-ONLINE

Credit Hours: 4
Semester: Spring 2022
Cap: 20

Faculty: Dr. Carlos Paez   **E-mail**: cpaez@navajotech.edu
Office: Moodle   **Office Phone**: (505) 387-7429
Office Hours (face-to-face or online): online: Email anytime but will respond within 24 hours
Monday-Thursday, will respond within 48 hours Friday-Sunday.
Face to face (by appointment only): Tuesday 3-5, Wednesday 9am-2pm.
Preferred Communication (email and/or text; will respond within 24 hours): email

Modality (face-to-face, hybrid, or online): Online
Class Location and Meeting Times (if face-to-face): Moodle, Webassign
Meeting Hours and Online Hours (if hybrid):

Required Materials: WebAssign Access Code please get this from the book store ASAP
Textbook: E-book integrated under webassign
Tools: Scientific Calculator / Graphing Calculator
Laptop and Internet Access: <mark>Every student is required to own a laptop and have internet access.</mark>
Lab Fee (if applicable): (access code fee)

Mission, Vision, and Philosophy
Mission: Navajo Technical University honors Diné culture and language, while educating for the future.

Vision: Navajo Technical University provides an excellent educational experience in a supportive, culturally diverse environment, enabling all community members to grow intellectually, culturally, and economically.

Philosophy: Through the teachings of Nitsáhákees (thinking), Nahátá (planning), Íína (implementing), and Siihasin (reflection), students acquire quality education in diverse fields, while preserving cultural values and gaining economic opportunities.

Course Description
Intermediate Algebra will cover lessons pertaining to Rational Expressions and Equations, Graphs, Functions and Applications, Systems of Equations, Inequalities, Radical Expressions, Equations and Functions, and Quadratic Equations and Functions. Also, the course will be integrated to other fields of study to make it real and relevant. At times, the learning process relating to the Navajo culture in the areas of Nitsahakees, Nahatah, Iina, and Sihasin as well as other cultures will be covered.

Course Outcomes	Course Assessments
Students will apply techniques and strategies in solving basic and intermediate algebra computation skills	Formative assessment: Complete reading assignments, homework assignments, quizzes and exams.
Students will solve real-world application problems that measures basic and intermediate algebra skills	
Students will use algebraic formulas to demonstrate skills in solving real-world problems	
Students will solve problems involving missing dimension(s) of geometric figures	

Connections to Program Assessment (Course-Embedded Measures)
Topics:
Chapter 7.- First-Degree Equations and Inequalities
Chapter 8.- Linear Functions and Inequalities in Two Variables
Chapter 9.- Systems of Linear Equations
Chapter 10.- Polynomials
Chapter 11.- Factoring Polynomials
Chapter 12.- Rational Expressions
Chapter 13.- Rational Exponents and Radicals

Course Activities

Week	Date	Class Topics/Reading Due	Assessments
1		Chapter 7.- First-Degree Equations and Inequalities	Homework Assignments
2		Chapter 7.- First-Degree Equations and Inequalities	Homework Assignments
3		Chapter 8.- Linear Functions and Ineq. in Two Variables	Homework Assignments
4		Chapter 8.- Linear Functions and Ineq. in Two Variables	Homework Assignments
5		Chapter 9.- Systems of Linear Equations	Homework Assignments
6		Chapter 9.- Systems of Linear Equations	Homework Assignments
7		Chapter 10.- Polynomials	Homework Assignments
8		Chapter 10.- Polynomials	Homework Assignments
9		Chapter 11.- Factoring Polynomials	Homework Assignments
10		Chapter 11.- Factoring Polynomials	Homework Assignments
11		Chapter 11.- Factoring Polynomials	Homework Assignments
12		Chapter 12.- Rational Expressions	Homework Assignments
13		Chapter 12.- Rational Expressions	Homework Assignments
14		Chapter 12.- Rational Expressions	Homework Assignments
15		Chapter 13.- Rational Exponents and Radicals	Homework Assignments
16		Chapter 13.- Rational Exponents and Radicals	Homework Assignments
17		Chapter 13.- Rational Exponents and Radicals	Homework Assignments

Grading Plan

Homework:	100%	A = 100-90%
Class Participation		B = 89-80%
and attendance:		C = 79-70%
Project(s):		D = 69-60%
Quizzes:		F = 59% or less
Mid-term:		
Final Exam:		
Portfolio:		

Grading Policy
Students must do their own work. Cheating and plagiarism are strictly forbidden. Cheating includes (but is not limited to) plagiarism, submission of work that is not one's own, submission or use of falsified data, unauthorized access to exams or assignments, use of unauthorized material during an exam, or supplying or communicating unauthorized information for assignments or exams.

Participation
Students are expected to attend and participate in all class activities. Points will be given to students who actively participate in class activities including guest speakers, field trips, laboratories, and all other classroom events.

Cell phone and headphone use
Please turn cell phones off **before** coming to class. Cell phone courtesy is essential to quality classroom learning. Headphones must be removed before coming to class.

Attendance Policy
Students are expected to attend all class sessions. If more than ten minutes late, students will be counted as absent. A percentage of the student's grade will be based on class attendance and participation. Absence from class, regardless of the reason, does not relieve the student of responsibility to complete all course work by required deadlines. Furthermore, it is the student's responsibility to obtain notes, handouts, and any other information covered when absent from class and to arrange to make up any in-class assignments or tests if permitted by the instructor. Incomplete or missing assignments will necessarily affect the student's grades. Instructors will report excessive and/or unexplained absences to the Counseling Department for investigation and potential intervention. **Instructors may drop students from the class after three (3) absences unless prior arrangements are made with the instructor to make up work and the instructor deems any excuse acceptable.**

Study Time Outside of Class for Face-to-Face Courses
For every credit hour in class, a student is expected to spend two hours outside of class studying course materials.

Study Time for Hybrid or Blended Courses
For a hybrid or blended course of one credit hour, a student is expected to spend three hours per week studying course materials.

Study Time for Online Courses
For an online course of one credit hour, a student is expected to spend four hours per week studying course materials.

Academic Integrity
Integrity (honesty) is expected of every student in all academic work. The guiding principle of academic integrity is that a student's submitted work must be the student's own. Students who engage in academic dishonesty diminish their education and bring discredit to the University community. Avoid situations likely to compromise academic integrity such as: cheating, facilitating academic dishonesty, and plagiarism; modifying academic work to obtain additional credit in the same class unless approved in advance by the instructor, failure to observe rules of academic integrity established by the instructor**. The use of another person's ideas or work claimed as your own without acknowledging the original source is known as plagiarism and is prohibited**.

Diné Philosophy of Education
The Diné Philosophy of Education (DPE) is incorporated into every class for students to become aware of and to understand the significance of the four Diné philosophical elements, including its affiliation with the four directions, four sacred mountains, the four set of thought processes and so forth: Nitsáhákees, Nahát'á, Íína and Siih Hasin which are essential and relevant to self-identity, respect and wisdom to achieve career goals successfully.

At NTU's Zuni Campus, the A:shiwi Philosophy of Education offers essential elements for helping students develop Indigenous and Western understandings. Yam de bena: dap haydoshna: akkya hon detsemak a:wannikwa da: hon de:tsemak a:ts'umme. *Our language and ceremonies allow our people to maintain strength and knowledge.* A:shiwi core values of hon i:yyułashik'yanna:wa (respect), hon delank'oha:willa:wa (kindness and empathy), hon i:yyayumoła:wa (honesty and trustworthiness), and hon kohoł lewuna:wediyahnan, wan hon kela i:tsemanna (think critically) are central to attaining strength and knowledge. They help learners develop positive self-identity, respect, kindness, and critical thinking skills to achieve life goals successfully.

Students with Disabilities
Navajo Technical University is committed to serving all students in a non-discriminatory and accommodating manner. Any student who feels that she or he may need special accommodations should contact the Accommodations Office (http://www.navajotech.edu/student-services#accomodations-services) in accordance with the university's Disability Accommodations Policy (see http://www.navajotech.edu/images/about/policiesDocs/Disability_Exhibit-A_6-26-2018.pdf).

Email Address
Students are required to use NTU's email address for all communications with faculty and staff.

Final Exam Date: