

MA114 - 001

Finite Math with Applications
Summer 1 – 2022 (5 Weeks)

Instructor: Ezra Nance (He/Him/His)

Email: efnance@ncsu.edu

Office Hours: By Appointment on Zoom

Class Location: 1216 SAS Hall

Class Time: Monday through Friday 11:40 am - 1:10 pm

Course Description: Student will learn elementary matrix algebra including arithmetic operations, inverses, and systems of equations; introduction to linear programming including simplex method; sets and counting techniques, elementary probability including conditional probability; Markov chains; applications in the behavioral, managerial and biological sciences.

Prerequisites: MA 101, or equivalent completed in high school.

Homework/Textbook: Students will be required to purchase access to the homework and textbook via WebAssign. The course key is [ncsu 4422 6816](#). Homework pertaining to each test will be due on that test date.

Calculator Policy: Calculators which can perform matrix operations **are not allowed** during tests. This includes Texas Instrument calculators models TI-83 and higher.

Moodle: This course uses Moodle as the main information resource: attendance, grades, class announcements, etc.

Grading Policy: Homework (30%), 3 Tests (15%) each for a total of 45%, Final (25%). The student's attendance will be counted as bonus for a maximum of an additional 2%.

The grading scale will be in accordance with the NCSU +/- policy:

$97 \leq A+ < 100$,	$93 \leq A < 97$,	$90 \leq A- < 93$,
$87 \leq B+ < 90$,	$83 \leq B < 87$,	$80 \leq B- < 83$,
$77 \leq C+ < 80$,	$73 \leq C < 77$,	$70 \leq C- < 73$,
$67 \leq D+ < 70$,	$63 \leq D < 67$,	$60 \leq D- < 63$,
$0 \leq F < 60$		

Corrections to Grading: If you feel that an error was made in the grading of a test, please bring the test to the instructor with a written explanation of the issue. If you have any concerns or questions about your grade throughout the semester, make an appointment with the instructor to speak with them or talk to one of them before or after class. **We will not discuss any issues with grading over email.**

Getting Help: Students must take responsibility for their learning and seek help when needed. Communication with the instructor is essential to your success. Attending office hours is a great way to clarify questions you may have. Additionally, there are two tutoring centers, the MMC - Math Multimedia Center in SAS 2105 (<https://math.sciences.ncsu.edu/undergraduate/courses-faq/mathmultimedia-center/>) and the UTC – Undergraduate Tutorial Center (<https://tutorial.dasa.ncsu.edu/>).

Make Up Test Policy: If you miss a regular test and qualify to take a make-up (<https://policies.ncsu.edu/regulation/reg-02-20-03-attendance-regulations/>), that make up test will be given by appointment or you can opt to let your final exam score replace the test score. All anticipated absences must be excused at least one week in advance of the test date; these include University duties or trips certified by appropriate faculty or staff member. Emergency absences must be reported within one week (please do this as soon as possible). To verify your emergency absence, see the instructions

at <https://dasa.ncsu.edu/students/absence-verification-process/>. Make-ups for oversleeping and car trouble can only be given before the next class period so email or have someone email or call for you!

Academic Integrity/Honesty: Students are required to comply with the university policy on academic integrity found in the Code of Student Conduct found at <http://policies.ncsu.edu/policy/pol-11-35-01>.

Accommodations for Disabilities: Reasonable accommodations will be made for students with verifiable disabilities. In order to take advantage of available accommodations, students must register with the Disability Resource Office at Holmes Hall, Suite 304, Campus Box 7509, 919-515-7653. For more information on NC State's policy on working with students with disabilities, please see the Academic Accommodations for Students with Disabilities Regulation (REG02.20.01) (<https://policies.ncsu.edu/regulation/reg-02-20-01/>).

Non-Discrimination Policy: NC State provides equal opportunity and affirmative action efforts, and prohibits all forms of unlawful discrimination, harassment, and retaliation ("Prohibited Conduct") that are based upon a person's race, color, religion, sex (including pregnancy), national origin, age (40 or older), disability, gender identity, genetic information, sexual orientation, or veteran status (individually and collectively, "Protected Status"). Additional information as to each Protected Status is included in NCSU REG 04.25.02 (Discrimination, Harassment and Retaliation Complaint Procedure). NC State's policies and regulations covering discrimination, harassment, and retaliation may be accessed at <http://policies.ncsu.edu/policy/pol-04-25-05> or <https://oied.ncsu.edu/divweb/>. Any person who feels that he or she has been the subject of prohibited discrimination, harassment, or retaliation should contact the Office for Equal Opportunity (OEO) at 919-515-3148.

Trans-Inclusive Statement: In an effort to affirm and respect the identities of transgender students in the classroom and beyond, please contact me if you wish to be referred to using a name and/or pronouns other than those listed in the student directory.