

Syllabus

- Instructor:** Dr. Bevin Maultsby
- Instructor Contact:** bmaults@ncsu.edu, 919-515-1876 (no voicemail)
- Moodle Page:** <https://moodle-courses1819.wolfware.ncsu.edu/course/view.php?id=4753>
- Lectures:** Lectures will be posted on the Moodle course site. While all lecture videos are available on Mediasite, they should be viewed according to the weekly schedule posted on the Moodle page. Questions will only be answered about videos currently posted on the course Moodle page (typically ranging up to two weeks ahead of “present time”).
- Office Hours:** See the separate document on office hours to set up and use Blackboard Collaborate.
Office Hours take place by appointment only. Please email me at least 12 hours beforehand to setup or confirm office hours.
- Prerequisites:** Undergraduate courses in the calculus sequence, preferably through multivariable calculus; course in linear algebra and ordinary differential equations; or by consent of the instructor.
- Course overview:** This course covers topics from linear algebra and multivariable calculus. The computational and theoretical linear algebra topics include linear transformations, matrix algebra, bases, eigenvalues and eigenvectors, and first and second order differential equations. Topics from multivariable calculus include multivariable functions, differentiation, Taylor’s theorem, optimization and the Inverse Function Theorem.
- Textbook:** There is no assigned textbook for this course. Dr. Maultsby will post weekly notes that correspond to the lectures (feedback on the notes is welcome). In addition, some free online resources will be posted on Moodle.

Grades: This course requires homework, three midterms, and a cumulative final. Grades will be based on

- Midterms = 45%
- Homework = 20%
- Cumulative Final Exam = 35%

Your grades will be posted on Moodle. The final grade will be assigned using the plus/minus grading system according to the following chart:

A+ : 98–100	A : 93–97.99	A- : 90–92.99
B+ : 88–100	B : 83–87.99	B- : 80–82.99
C+ : 78–100	C : 73–77.99	C- : 70–72.99
D+ : 68–100	D : 63–67.99	D- : 60–62.99
	F : 0–59.99	

Homework: There will be a homework assignment approximately once a week. All assignments are due on the listed day by 11pm Eastern time. You will submit your homework electronically through Moodle. See the Homework Guidelines posted on Moodle for due dates and further instructions.

Tests: Test #1 must be taken under the supervision of your proctor between Wednesday, February 6, and Friday, February 8, as an 75-minute timed test.

Test #2 must be taken under the supervision of your proctor between Wednesday, March 6, and Friday, March 8, as an 75-minute timed test.

Test #3 must be taken under the supervision of your proctor between Monday, April 8, and Wednesday, April 10, as an 75-minute timed test.

Final Exam: The Final Exam must be taken under the supervision of your proctor between Friday, May 3, and Tuesday, May 7, as a 180-minute timed exam.

Academic Integrity

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>.

Utilization of the Honor Pledge: All examinations must be completed independent of assistance from other people. Your signature on any test or assignment indicates "I have neither given nor

received unauthorized aid on this test or assignment.”

Non-discrimination Policy

NC State University provides equality of opportunity in education and employment for all students and employees. Accordingly, NC State affirms its commitment to maintain a work environment for all employees and an academic environment for all students that is free from all forms of discrimination. Discrimination based on race, color, religion, creed, sex, national origin, age, disability, veteran status, or sexual orientation is a violation of state and federal law and/or NC State University policy and will not be tolerated. Harassment of any person (either in the form of quid pro quo or creation of a hostile environment) based on race, color, religion, creed, sex, national origin, age, disability, veteran status, or sexual orientation also is a violation of state and federal law and/or NC State University policy and will not be tolerated. Retaliation against any person who complains about discrimination is also prohibited. NC State's policies and regulations covering discrimination, harassment, and retaliation may be accessed at <http://policies.ncsu.edu/policy/po1-04-25-05> or http://www.ncsu.edu/equal_op/. 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.

Statement for students with 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 Services Office at Suite 2221, Student Health Center, Campus Box 7509, 919-515-7653. For more information on NC States 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/>).

Electronic Course Components

Please be advised that Collaborate office hours may be recorded for current and potential future educational purposes. By your continued participation in this recorded course, you are providing your permission to be recorded.

Instructor is not responsible for ensuring privacy or accessibility of electronic materials that are not required components of the course (e.g., links to supplemental information that is not part of the required reading list).

Required statement: “Students may be required to disclose personally identifiable information to other students in the course, via electronic tools like email or web-postings, where relevant to the course. Examples include online discussions of class topics, and posting of student course-work. All students are expected to respect the privacy of each other by not sharing or using such

information outside the course.”

For Your Reference

Students are responsible for reviewing the NC State University Policies, Regulations, and Rules which pertains to their course rights and responsibilities:

- Academic Accommodations for Students with Disabilities
<https://policies.ncsu.edu/regulation/reg-02-20-01>
- Equal Opportunity and Non-Discrimination Policy Statement
<https://policies.ncsu.edu/policy/pol-04-25-05>
with additional references at
<https://oied.ncsu.edu/equity/policies/>
- Code of Student Conduct
<https://policies.ncsu.edu/policy/pol-11-35-01>
- Grades and Grade Point Average
<https://policies.ncsu.edu/regulation/reg-02-50-03>
- Credit-Only Courses
<https://policies.ncsu.edu/regulation/reg-02-20-15>
- Audits
<https://policies.ncsu.edu/regulation/reg-02-20-04>

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