

MA 242 002 Calculus III
SUM1 5W 2021

Instructor: Diana Zhong (she/her/hers)

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Office Hours: Tuesday Friday 12:30-2 pm or by appointment, via regular class zoom link

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Office Hours: Monday 4-5 pm, [https://ncsu.zoom.us/j/97867208999?](https://ncsu.zoom.us/j/97867208999?pwd=dSszMGFUNEgrQlY3blc2K1hzYzdCUT09)
[pwd=dSszMGFUNEgrQlY3blc2K1hzYzdCUT09](https://ncsu.zoom.us/j/97867208999?pwd=dSszMGFUNEgrQlY3blc2K1hzYzdCUT09) Meeting ID: 978 6720 8999 Passcode: 242

Course Description: Third of three semesters in a calculus sequence for science and engineering majors. Vectors, vector algebra, and vector functions. Functions of several variables, partial derivatives, gradients, directional derivatives, maxima and minima. Multiple integration. Line and surface integrals, Green's Theorem, Divergence Theorems, Stokes' Theorem, and applications. Use of computational tools

Textbook: Calculus for Engineers and Scientists, Volume III by John E. Franke, John R. Griggs, and Larry K. Norris, 1st Edition. This PDF textbook is available to students through WebAssign (Home->Resources->Select the chapter/section you want)

Prerequisites: MA 241 with grade of C- or better or AP Calculus credit, or Higher Level IB credit.

Grade Components: WebAssign 15% Tests 60% (3 exams each worth 20%) Final Exam 25%

Letter Grades: This Course uses Standard NCSU Letter Grading:

A+: 97-100 A: 93-96.99 A-: 90-92.99

B+: 87-89.99 B: 83-86.99 B-: 80-82.99

C+: 77-79.99 C: 73-76.99 C-: 70-72.99

D+: 67-69.99 D: 63-66.99 D-: 60-62.99

WebAssign (15%): Due dates are set on the test day. I encourage students to collaborate on homework, but you are expected to maintain academic integrity by adhering to the NCSU Code of Student Conduct. While I have set the due dates on the test day, I recommend working through the problems on the day the relevant topics are covered in the lectures.

Three Tests (60%): These tests will take place on **May 27th, June 7th and June 15th**. You are allowed to use one side of a normal piece of paper (8.5" by 11") of notes. All use of other

resources is prohibited. Collaboration of any kind with anyone is prohibited. Graphing calculators are not allowed during any exam. Non-graphing calculators are allowed on exams, but not required. You should be able to do all computations without a calculator. All anticipated absences must be excused in advance of the test date and a make-up test scheduled in advance of the absence. Excused emergency absences must be reported within 2 days of returning to class and must be appropriately documented.

Exams will be proctored over Zoom (you will need to have your camera on with your face visible--virtual backgrounds are okay)

Final Exam (25%): The final exam is mandatory and cumulative. It will be held on **Friday, June 25 from Final 8:30 am. – 11:00 a.m.**

Attendance: This class is entirely online and there will be no attendance recorded. The lecture videos will be uploaded online for access at any time.

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>.

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.