

MA 242-001: Calculus III

Summer I 2021

General Details

Instructor: Jessica Stevens (she/her)

Email: jnsteven@ncsu.edu

Office Hours: MWF 10 am – 11 am or by appointment (email me to set up a time)

Zoom details: Linked in Moodle

Recitation Leader: Emily McGovern (she/her)

Email: ecmcgove@ncsu.edu

Office Hours: Tuesday 11 am – 12 pm

Zoom details: Linked in Moodle

Course Details

Time and Place: MTWTF 7:30-9:40 AM, Online Delivery via Zoom

From the NCSU course catalog:

“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.”

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

Course Materials

WebAssign

- Homework and the course textbook are accessed through WebAssign via <https://www.webassign.net>. You must purchase access to WebAssign. The cost is approximately \$77.95.

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)

Calculators

- 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.

Moodle

- I will use the Moodle page for tests, class zoom links, Gradescope submission links, and any other supplementary course materials.

Day to Details

Lecture:

Lectures will take place synchronously via Zoom. Students are expected to attend daily lectures as their main source of information for the course. These lectures will be recorded and available through our course Moodle page. **You will want to keep up with the material. This course is fast paced as it is only 5 weeks and you do not want to get behind.** See the schedule below.

Attendance:

You are expected to complete a daily exit slip on Moodle for your attendance following the lecture. Students unable to attend lectures live should watch the video and submit the exit slip within 24 hours of the lecture. Attendance will not be factored into your grade. **However, any student with 3 or fewer absences will have their lowest exam grade replaced by their final exam grade, if it is to their advantage.**

WebAssign:

Students are assigned homework through WebAssign. Note that WebAssign may have optional assignments, but I will only be grading based on the required assignments (with no extra credit available). **Keep up with the Homework.** Begin working on each assignment following the corresponding lecture so that you know what is happening as you continue. I will drop your three lowest WebAssigns.

Exams:

The exam dates are listed below. We will have 3 midterm exams and a cumulative final exam. For each exam you are allowed one side of a normal piece of paper (8.5" by 11") of notes. You may **NOT** use any other resource (internet websites, graphing calculators, fellow students, family, friends, etc).

Exams will be proctored over Zoom (you will need to have your camera on with your face visible--virtual backgrounds are okay), and you will scan and submit your solutions through Gradescope. **The exam will appear on Moodle on the specified day at 8 am, and students will have 90 minutes to complete and submit their exam. You will need to be logged in and on Zoom by 8 am.** Students will upload their work to Gradescope as a single, multipage PDF. This PDF should include a scan of your "note sheet". If a student takes more than 90 minutes to submit this PDF they will be penalized 1 point per extra minute so **turn it in on time.**

Exam	Date	Material Covered
Midterm 1	Thursday May 27 th 8-9:30 am	Chapters 1 and 2
Midterm 2	Monday June 7 th 8-9:30 am	Chapters 3
Midterm 3	Tuesday June 15 th 8-9:30 am	Chapters 4 and 5
Final Exam	Monday June 24 th 8:30-11 am	All Chapters

Grading

Your final grade will be determined from these components (no extra credit is available)

- **15% WebAssign Homework**
- **60% Midterm Exams** (3 exams each worth 20%)
- **25% Final exam**

This course uses the standard NCSU letter grading

100 ≥ A+ ≥ 97	97 > A ≥ 93	93 > A- ≥ 90
90 > B+ ≥ 87	87 > B ≥ 83	83 > B- ≥ 80
80 > C+ ≥ 77	77 > C ≥ 73	73 > C- ≥ 70
70 > D+ ≥ 67	67 > D ≥ 63	63 > D- ≥ 60
60 > F		

Communication

Scanning Assignments:

You need access to a scanner. This can be a free smartphone app (JotNot, CamScanner, Adobe Scan, Tiny Scanner, etc.) or some other method. When you submit your assessments, they need to be a **single PDF**. If you are unable to convert your scans to a PDF on your app, upload them to your computer and combine them via Preview, Adobe, or a website like combinepdf.com. Make sure you know how to do this prior to your first test.

Email:

Please email me with any questions. When you email me please do so from your NCSU gmail account and in your subject line include “MA242.” If you have a homework question be specific about the exact problem number and send me a picture of your work if you can.

Moodle:

I will post class announcements on Moodle and make verbal announcements during class. Make sure that you have your notifications turned on in Moodle and check your email often so that you do not miss anything.

NCSU Policies

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>

The NCSU Student Code of Conduct covers all work done in this course. Any suspected violations will be promptly reported. Academic dishonesty will result in an automatic failing grade for the course. You are encouraged to work together on homework assignments, but you must submit your own work. You may not work together for tests.

Accommodations for Disabilities:

Reasonable accommodations will be made for students with verifiable disabilities. In order to take advantage of available accommodations, student must register with the Disability Services Office (<http://www.ncsu.edu/dso>), 919-515-7653. For more information on NC State's policy on working with students with disabilities, please see the Academic Accommodations or Students with Disabilities Regulation at <http://policies.ncsu.edu/regulation/reg-02-20-01>

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/pol-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.

Copyrighted Materials

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Disclaimer

This syllabus is subject to change. – Last Updated: May 14, 2021

Week 1:

		Wed May 19	Thurs May 20	Fri May 21
Sections		1.1-1.3	1.3-1.5	1.5-2.1

Week 2:

	Mon May 24	Tues May 25	Wed May 26	Thurs May 27	Fri May 28
Sections	2.1-2.2	2.3	3.1	Exam I 8-9:30 AM - WebAssign Chp 1 & 2 Due	3.3

Week 3:

	Mon May 31	Tues June 1	Wed June 2	Thurs June 3	Fri June 4
Sections	Memorial Day (No classes)	3.4-3.5	3.6	4.1	4.2

Week 4:

	Mon June 7	Tues June 8	Wed June 9	Thurs June 10	Fri June 11
Sections	Exam II 8-9:30 AM - WebAssign Chp 3 Due	4.3	5.1-5.2	5.3	6.1-6.2

Week 5:

	Mon June 14	Tues June 15	Wed June 16	Thurs June 17	Fri June 18
Sections	6.3	Exam III 8-9:30 AM - WebAssign Chp 4 & 5 Due	6.3-6.5	6.5	No classes

Week 6:

	Mon June 21	Tues June 22	Wed June 23	Thurs June 24	Fri June 25
Sections	7.1-7.2	7.2-7.5	Review for Final	Final Exam 8:30-11 AM	WebAssign Chp 6 & 7 Due