MA 242-001: Calculus III
Summer II 2021
North Carolina State University

General Details

Instructor: Alyssa Taylor-LaPole
Email: amtayl25@ncsu.edu
Office: Remote only
Office Hours: MW 12:00-1:30PM
Zoom details: Class is M-F, 7:30-9:40AM. Zoom link is on our Moodle class page.

Course Details

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."

This course is a 4-credit hour course, and it does not fulfill the General Education Program (GEP) requirement.

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 **http://webassign.net**. You must purchase access to WebAssign. The cost is approximately $77.95. You must add yourself to our WebAssign roster. To do this use the class key **ncsu 2830 2317**. Note that this class key is case sensitive and the spaces are also required for it to work properly. You must wait until the first day of class to add yourself to the roster. If you are having trouble with WebAssign please refer to the following link:

  https://docs.google.com/document/d/1J0bSkhmH-odVskB1XbkhudT7SjK0C0O5kDMcJJzWEbg/edit?usp=sharing

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

- Our class website will be a Moodle page. All lectures will be recorded and posted here along with notes from each lesson. Check the Moodle page often for course announcements, study guide material, homework Q&A, and more. Our Moodle page can be found at:

  https://moodle-courses2122.wolfware.ncsu.edu/course/view.php?id=1310

GradeScope

- Exams will be proctored over zoom. Audio must be off but video must be on. After exams are completed you will have to upload your exam onto GradeScope. Our GradeScope page is linked through our Moodle or you can follow this link (entry code **5V6E74**)

  https://www.gradescope.com/courses/276561

Details

Lecture:

Lectures will be held M-F from 7:30-9:40AM. All lectures will be recorded and posted to our course page along with outlined notes. At each lecture a password will be given for students to log their attendance on Moodle. Attendance for lecture will be available for a full 24 from the start of a lecture to make sure students are keeping up with the material. This password will be given in the recorded lectures as well. **Keep up with the videos. This course is fast paced as it is only 5 weeks and you do not want to get behind.**

Attendance:

Attendance is required and counts towards a portion over students' grades. An attendance password will be given each lecture and students will have 24 hours from the scheduled start of the lecture to enter the attendance password and get credit for attending/watching the lecture. 3 unexcused absences will be allowed.

WebAssign:

Students are assigned homework through WebAssign. Homework will be due every Friday on the lectures from the previous week. **Keep up with the Homework.** Begin working on each assignment as soon as you complete the corresponding lecture videos so that you know what is happening as you continue on.

Homework:

Homework sets will be given on Moodle and in Lecture. Each homework set will consist of multiple WebAssign assignments. On Moodle there will be a HW Q&A forum. This will allow students to post and start a discussion regarding homework problems. Questions on this forum may be answered by myself or other students. If a question has not been answered by me, a student can give a response that guides the student in the right direction but does not give them the final answer for extra credit towards their next exam. More examples on how to answer a question without the giving the solution can be found in the description of the forum on Moodle.

Exams:

The exam dates are listed below. We will have 3 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).

Each exam will appear on Moodle on the specified day and students will have 90 minutes to complete and to submit their exam. Students will upload their work to Moodle 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
I	Tuesday June 30th	Chapters 1 and 2
II	Thursday July 9th	Chapters 3
II	Friday July 17th	Chapters 4 and 5
Final Exam	Monday July 27th	All Chapters

Grading

Your final grade will be determined from these components
- **10% Attendance** (3 unexcused absences allowed)
- **20% WebAssign Homework**
- **45% Midterm Exams** (3 exams each worth 15%)
- **25% Final exam**

This course uses the standard NCSU letter grading

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

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. The submission box for tests will only accept a single PDF, so 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 lectures 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
The course website contains copyrighted materials and was developed for instructional purposes to be used by students at North Carolina State University. Students currently registered in this course are permitted to print or make copies of parts of this site for their own personal use in conjunction with completing the course. Text, audio files, images or design of this website may not otherwise be distributed or modified in any manner without the prior written permission of the instructor.

Disclaimer
This syllabus is subject to change.

Tentative Schedule

Week 1:

	Mon June 28	Tues June 29	Wed June 30	Thurs July 1	Fri June 2
Sections	1.1-1.3	1.3-1.5	1.5-2.1	2.1-2.3	2.3-2.4

Week 2:

	Mon July 5	Tues July 6	Wed July 7	Thurs July 8	Fri July 9
Sections		**Exam I**	3.1-3.2	3.2-3.3	3.4-3.5

Material Due	**No Classes**				**HW 1 Due**

Week 3:

	Mon July 12	Tues July 13	Wed July 14	Thurs July 15	Fri July 16
Sections	3.6	4.1	4.2	4.3	**Exam II**
Material Due					**HW 2 Due**

Week 4:

	Mon July 19	Tues July 20	Wed July 21	Thurs July 22	Fri July 23
Sections	5.1-.5.2	5.3	6.1-6.2	6.3	**Exam III**
Material Due					**HW 3 Due**

Week 5:

	Mon July 26	Tues July 27	Wed July 28	Thurs July 29	Fri July 30
Sections	6.3-6.5	6.5	7.1-7.2	7.2-7.5	**Review for Final**
Material Due					**HW 4 Due**

Final Exam:

**Tuesday, August 3rd
8:30-11:00AM EST**