

Calculus III MA 242 Section 004
Spring 2017

Instructor: Tong Wu
Office: 3250 SAS Hall
Office Hours: Monday, Tuesday and Wednesday 12:30PM to 1:30 PM
E-mail: twu18@ncsu.edu
Class Meets: MW, 1:55 to 3:45 PM, SAS 2235
Text: Calculus for Engineers and Scientists (Franke, Griggs, Norris: accessible via WebAssign)

Course Info:

Third of three semesters in a calculus sequence for engineering and science majors. The course covers differential and integral multi-variable calculus. Topics to be studied include vector functions, partial derivatives, multiple integrals and vector calculus. This course will focus both upon theoretical understanding of the concepts involved, and application of the concepts to solve concrete problems.

Grading:

Your final grade will be determined as follows:

WebAssign	Maple	Test Average	Final Exam
10%	10%	50%	30%

Bonus points:

Group work: We will have a group work before each Test and the final exam. (5 points in the final grade)

Attendance: If you have no more than 5 absences, you can get up to 5 points in your final grade.

The plus/minus grading system will be used:

A+	A	A-	B+	B	B-	C+	C	C-	D+	D	D-	F
97-100	93-96	90-92	87-89	83-86	80-82	77-79	73-76	70-72	67-69	63-66	60-62	0-59

WebAssign:

Homework assignments will be administered and submitted via WebAssign. Due dates are listed next to each assignment, and extensions will not be granted except for extremes situations. You are encouraged to start early on these assignments and bring any questions you might have to class or office hours.

Maple:

It is a requirement for this course to use Maple and submit homework assignments in Maple via the web. There are 8 scheduled Maple Homework assignments distributed throughout the semester. It is the responsibility of each student to (1) download the Maple Lessons from the web, (2) study the Lessons, and (3) complete the Maple Homework assignments on time. **All materials related to the Maple program** can be found at the URL <http://www.math.ncsu.edu/calculus>.

Tests and Final Exam:

Test dates are as follows, and are issued by the Math department so they will not be changed:

Test #1: Monday, Feb. 6

Test #2: Monday, Feb. 27

Test #3: Monday, Apr. 3

Test #4: Monday, Apr. 24

There will be no make-up tests without documentation of a university approved excuse.

Bluebooks:

All students must submit **six bluebooks** to me by Wednesday, Feb. 1. **Do not write anything in or on the bluebooks.**

Attendance:

Following department policy, attendance will be taken every class period. There will be no distinction made between excused and unexcused absences. At the end of the semester, any student who has **five or fewer** total absences will get up to 5 points in the final grade.

Absences	0-1	2	3	4	5
Bonus points	5	4	3	2	1

Weekly schedule:

Week of	Section	Remark
01(01/09-01/13)	1.1-1.3	
02(01/16-01/20)	1.4-1.5	01/16:Holiday
03(01/23-01/27)	2.1-2.4	
04(01/30-02/03)	3.1-3.4	
05(02/06-02/10)	3.4-3.5	02/06:TEST #1
06(02/13-02/17)	3.5-3.7	
07(02/20-02/24)	4.1-4.2	
08(02/27-03/03)	4.2-4.3	02/27:TEST #2
09(03/06-03/10)		Spring Break
10(03/13-03/17)	5.1-5.3	
11(03/20-03/24)	6.1-6.3	
12(03/27-03/31)	6.3-6.5	
13(04/03-04/07)	7.1-7.2	04/03:TEST #3
14(04/10-04/14)	7.2-7.3	04/14:Holiday
15(04/17-04/21)	7.3-7.6	
16(04/24-04/28)	Final review	04/24:TEST #4

Course Policies:

The use of laptops, cellphones and other electronic devices is not permitted during class unless prior approval is given by the instructor. If a student misses a class session, it is the student's responsibility to get notes from a classmate or refer to the available online resources. Please check Moodle and your NCSU e-mail regularly for announcements and resources. Please note that personal travel plans are not legitimate reasons for make ups or extensions.

You can only use a simple scientific calculator in quizzes, tests or the final exam, which should not be able to compute derivatives or anti-derivatives. **Cell phones are not permitted to be used or visible during quizzes, tests or final exam.**

Students with documented disabilities (through NCSU's DSO) will be given all necessary accommodations. For more information on NC State's policy on working with students with disabilities, please see the Academic Accommodations for Students with Disabilities Regulation at <https://policies.ncsu.edu/regulation/reg-02-20-01>.

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

Multimedia Center:

Free tutoring is available through the department Multi Media Center. For more information, see <https://www.math.ncsu.edu/mmc/tutoring.php>