

North Carolina State University, Department of Mathematics
MA241 - 004: Calculus II, Fall 2010

Instructor: Catherine Buell

Office: SAS Hall Rm. 3221

Office Hours: Monday 12:30pm-1:30pm & Thursday 10:15am-11:30am and by appointment, email instructor to schedule a time. Any changes to office hours will be announced in class.

Email: cabuell@ncsu.edu

Website: www4.ncsu.edu/~cabuell

Class Will Meet: MTWHF 9:10-10:00 in SAS 1102

Textbook: *Calculus: Concepts and Contexts*, 4th or 3rd edition by James Stewart. Thomson Brooks/Cole publishers.

Prerequisites: MA 141 with grade of C- or better

Content: Second of three semesters in a calculus sequence for science and engineering majors. Techniques and applications of integration, elementary differential equations, sequences, series, power series, and Taylor's Theorem. Use of computational tools.

Course Grade: The final grade is based on 4 tests (50%), WebAssign/Homework/Quizzes (20%), Maple (10%), and the final exam (20%). As per the NCSU requirement, the plus/minus grading system will be in effect.

98-100	A+	92-97.99	A	90-91.99	A-
88-89.99	B+	82-87.99	B	80-81.99	B-
78-79.99	C+	72-77.99	C	70-71.99	C-
68-69.99	D+	62-67.99	D	60-61.99	D-
0-59.99	F				

WebAssign/Homework/Quizzes: Graded homework will be assigned and graded electronically through WebAssign. These problems are essential and make up a large portion of your final grade; do not fall behind or skip ANY of these. See <http://webassign.ncsu.edu/> to purchase WebAssign, do problems and view due dates. You must log in with your unity id and password. Multiple submissions are allowed for each question. You can request an extension on webassign, but will receive a 20% penalty per day. This class moves very quickly and you must work regularly in order to understand and master the concepts. The actually webassign grade is 5% of your homework grade.

Many webassign assignments will be collected and graded. Clearly, since you know the answers, I will be collecting your work to examine your work and the quality of your mathematical writing. When webassign assignments are not collected, there will be an end of the week quiz on webassign questions.

Maple Assignments: There will be 5 Maple assignments this semester. Late Maple homework will not be accepted. Maple assignments, their due dates, help with getting started, and other information are available at www.math.ncsu.edu/calculus. Maple 10 or 11 is available to all students on any MAC/PC unity terminal. Maple help labs are available in HA G108. You may also access Maple through vcl.ncsu.edu. There is also Maple help available in the media center.

Tests: There will be four tests. Tests will be written so that you do not need a calculator, and calculators will not be allowed on tests, unless I say otherwise. If I do usually allow calculators on a test, only dedicated, non-symbolic calculators will be permitted (i.e., no cell phones, PDAs, laptops, etc., or TI-89, TI-92, or equivalent calculators). All students are expected to adhere to the university's regulations on academic integrity (i.e. No cheating or plagiarizing!). Test dates are scheduled as follows:

Test 1 – September 13th

Test 2 – October 4th

Test 3 – November 1st

Test 4 – November 22nd

There are two reading days on December 6th and December 7th.

Final Exam – Wednesday, December 15th, 8am-11am

I am making you aware of the final exam date now. Keep the day and time in mind when scheduling plane tickets or making other obligations as the university has strict policies on missing the final exam.

Test Policy: The final exam can replace your lowest test grade assuming you do not miss a test. If a student misses one scheduled test for ANY reason then the student's grade on the final exam will be used for the missing test grade. If a student misses 2 scheduled tests AND has documentation meeting the university's guidelines for a make-up test (http://www.ncsu.edu/policies/academic_affairs/courses_undergrad/REG02.20.3.php) then a make-up will be given for the 2nd test and the grade on the first will be replaced by the final. Make up tests must be scheduled outside of class and should be expected to be more difficult than a regular in class exam.

Attendance: University policy requires a record of attendance for all 100 and 200 level courses. Attendance is expected for the entire scheduled class time. Absences from tests may be excused, but must result from a university-approved excuse and accompanied by proper documentation (see above for details). You must sit in your assigned seat in order for attendance to be properly recorded. If you miss more than 50% of the scheduled class time, you will be counted absent. Coming to class late or leaving early (by more than 5 min) will be counted as half of an absence. Any student who is not an active class participant for the full class time (doing other work in class, socializing, sleeping, etc.) will be recorded as absent. It is in your best interest to routinely attend class and to be on time. If you have 5 or fewer absences at the end of the semester (excused or unexcused) I will add up to 5% onto your homework grade. So a score of 85% would be 90% and a score of 97% would be 100%.

H1N1 Notification: If you are ill with symptoms of H1N1 influenza (i.e. fever over 100, sore throat, cough, stuffy or runny nose, fatigue, headache, body aches, vomiting and diarrhea) please do not come to class. Instead, immediately contact your medical provider or Student Health Services (515-7107) for advice or to arrange an appointment. If you are diagnosed with H1N1, please inform your instructor immediately. You will be required to be isolated away from class until at least 24 hours after you are free of fever (100 degrees), or signs of a fever, without the use of fever-reducing medications.

Expectations:

- Leave all distractions such as newspapers, walkmans, iPods, and work for other courses at home or in your backpack.
- TURN OFF ALL CELL PHONES AND BEEPERS DURING CLASS! If you have a child in day care, or are an EMT please set your phone to silent and step outside if you must answer a call.
- Chewing tobacco is not permitted in classrooms.

Suggestions: Please know that I have the highest expectations for ALL of my students. You CAN do well in here, but you must take responsibility for seeking help when needed. I encourage you to discuss concepts among your classmates and ask questions in class about anything that may seem unclear. Also, make use of my office hours; if you cannot come to the scheduled office hours, make an appointment to see me at another time. For additional help, form study groups, or use the university's tutorial services: One-on-one tutoring is available in 1005K Ricks Hall Addition (see their website: http://www.ncsu.edu/tutorial_center), and the Multi-Media Center (SAS 2103) has free drop-in tutoring on a limited basis (no appointment necessary). Also, the Multi-Media Center (HA 2103) has video taped lectures of MA 241 from past semesters and computer assisted tutorials. If you put a proper amount of time into this class, you will do well.

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 Disability Services for Students at 1900 Student Health Center, Campus Box 7509, 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 (REG02.20.1). You must meet with me to discuss accommodations PRIOR to a test date.