MT105: Calculus II for Math and Science Majors
Fall 2012

Instructor: Dawei Chen
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Class time and location: MT10502, M W F 10-10:50, Carney 102;

Office hours: Monday 3-4, Wednesday 2-3, Friday 1-2. Walk-in and by
appointments are also welcome.

Textbook: Calculus, Single Variable, 2nd edition, by Brian Blank and
Steven Krantz.

Course description: MT105 is a second course in single variable
calculus, intended for majors in Chemistry, Computer Science/BS,
Geology/Geophysics, Mathematics, and Physics. It is offered only in the
Fall semester, and designed to meet the needs of students who have
completed a year of Calculus in high school at either the AB or BC
curriculum level – most of whom have received AP credit for Calculus,
but who are not yet prepared to advance to MT202 Multivariable
Calculus. I will assume that you are familiar with differentiation of single-
variable functions, computing basic integrals and the fundamental
theorem of calculus. We will cover most of chapters 5, 6, 7 and 8.

Homework: Written homework will be assigned after each lecture and
collected every Monday in class, starting from Sep 10th. The homework
problems will be a mixture of routine, straightforward problems that
test basic understanding of the material as well as more challenging
problems. It is very important to do all the assignments. Late homework
will not be accepted for full credit. Homework assignments will be
posted on Blackboard Vista. If you have trouble viewing the homework,
you can contact me for assistance.
Exams: There will be two midterms and a final exam. If you are sick the day of an exam, or have a family emergency, etc. you must get a note from Health Services or Dean’s Office in advance. For full credit, full work must be shown. Calculators will not be allowed in the exams.
First midterm (tentative): Wednesday, Oct 10;
Second midterm (tentative): Wednesday, Nov 14;
Final exam: M W F 10: Thursday, Dec 13, 12:30pm;
M W F 11: Thursday, Dec 13, 9am.
Do not schedule any travel during the exam time.

Grade: Homework 10%; Midterm exams 25% each; Final exam 40%.

Reading: You are encouraged to preview lecture materials before each class, according to the schedule posted on Blackboard Vista. This will help you more easily follow the lectures in class.

Discussion: You are encouraged to use the discussion feature on Blackboard Vista. You can post questions, answer others’ questions, provide anonymous feedback on how the course is going, organize study sessions etc.

Extra help: In addition to my office hours, there are other free tutoring services offered around the university:
-- by the mathematics department in room 309, Carney Hall
http://www.bc.edu/schools/cas/math/ugservices/tutoring.html
-- by the Connors Family Learning Center in the O’Neill Library
http://www.bc.edu/libraries/help/tutoring.html

Academic integrity: Many people find discussing problems with others to be the best, easiest, most efficient and most pleasant way to learn mathematics. You are permitted and encouraged to do this! Nevertheless, you must write up all the homework solutions by yourself only. Copying solutions from someone or somewhere else is not only intellectually dishonest but it also undermines the educational process. If you are caught cheating on a problem set, you will receive zero for that set. If you are caught cheating on an exam, you will receive zero for the course. BC’s policy on academic integrity can be found at www.bc.edu/integrity.