Multivariable Calculus
Math 113 A & B, Fall 2012

Instructor: Marius Ionescu (mionescu@colgate.edu)
Office Hours: McGreg 201K, We 1:00–2:30pm, Th 3:00-4:30pm
Course web site: http://math.colgate.edu/~mionescu/math113f12/

Overview: Two- and three-dimensional vector algebra, calculus of functions of several variables, vector differential calculus, line and surface integrals.

Text: *Multivariable Calculus* (7th 2012 Ed.) by Stewart, Brooks/Cole

Office visits Visits to my office may be made during the office hours indicated on this syllabus. If you wish to see me at another time, please make an appointment with me at least 24 hours in advance.

Webpage: Class schedule and other important communications will be conveyed via the course web page:
http://math.colgate.edu/~mionescu/math113f12/
Please bookmark this webpage. I will also post outlines of the Lecture Notes for each class the day before each lecture. I strongly encourage you to download and read them before the class.

Planned Coverage: I hope to cover Chapters 10, and 12 through 16. More specifically, the plan is:

Chapter	Sections
12	1–6
13	1–4
14	1–7
15	1–5 & 7–10

The list of sections given above includes more sections than the syllabus established by the Department of Mathematics for this course. If time does not permit, some of the "extra" sections will not be covered. The most up to date information will be always posted on the course webpage.

Homework: You will get and turn in all Math 111 homework over the World Wide Web using WeBWorK:
http://math.colgate.edu/ww/Math113_Fall12/
Homework due-dates will be shown on the WeBWorK assignments, which will generally be due at 8:00 a.m. on Fridays. Answers will be available at 1:00 p.m. on the same day. Late homework will not be accepted without advance permission, obtained well before the assignment is due. The first homework set will not count towards the grade. Use it to get familiar with how WeBWorK works. Moreover, I will drop your lowest homework score when computing the final grade.
In addition, I will suggest extra problems from the textbook to help you prepare for the exams. You can find copies of the solution manual on reserve in Cooley Library.

Exams: There will be two midterm exams and one final. Exam solutions must be entirely your own work. The first midterm will take place on Friday, October 5

in class; the second midterm will take place on Friday, November 9 in class. The final exam, which is cumulative, will be held during finals week as determined by the university-wide schedule:

Section A (8:20)	Thursday, Dec. 13, 12:00 - 2:00 p.m.
Section B (9:20)	Monday, Dec. 10, 9:00 - 11:00 a.m.

For each exam you will be permitted to use a formula sheet as a reference. This sheet will be prepared by me and given to you a few days prior to the exam to assist you as you prepare for the related midterm or final. You can also use calculators. Be aware that correct answers without any shown work will be worth 0 points.

Grading:

Homework	20%
Midterm 1	25%
Midterm 2	25%
Final	30%.

Class Attendance Attendance to all class meetings is expected but there is no formal penalty for absence from a class meeting.

Class Participation I strongly encourage you to be actively involved in class by asking questions, suggesting answers and solutions to my questions, etc.

Tutoring Tutoring will be available for you. I will provide you more details during the second week of classes.

Students with disabilities Any student who feels s/he may need an accommodation based on the impact of a disability should contact me privately to discuss your specific needs. Please contact Lynn Waldman, Director of Academic Support and Disability Services, at 315-228-7375 in the Center for Learning, Teaching, and Research to coordinate reasonable accommodations for students with documented disabilities.

Other: Please turn off your cell phones. No talking and **no text messaging** during the lectures allowed. Believe me, I can see you!