Math 212: Multivariable Calculus
Fall 2011, Rice University
Sergey Belov

Office: 422 Herman Brown Hall (HB), x4829, belov@rice.edu
Class: MWF 11:00 - 11:50 am, Herzstein Hall 212
Text: Vector Calculus, 5th ed. by Marsden and Tromba
Office hours: MW 3-4 pm, H 2:30-3:30pm
Help Sessions: TBD

The Course:
In this class we cover major topics of multivariable calculus: vectors, gradient, divergence, and curl, method of Lagrange multipliers, multiple integrals, as well as line integrals, conservative vector fields, Green's theorem, Stokes's theorem, and Gauss's theorem. Chapters: 1, 2, 3, 5, 6, 4, 7, 8.

Homework:
Homework is assigned weekly and it is usually due at 5:00pm on Tuesdays (check Owlspace for changes). No late homework is accepted unless you are granted an extension in case of sickness or emergencies (notify me immediately); and one lowest homework score is dropped. I recommend doing homework together to exchange ideas and methods (and it is more fun), but you must write and understand your own solution. No copying, please.

The Grade:
Homework 20%
Tests (3) 15% each
Final Exam 35%

Tests:
Tuesday, September 27, 7-9 pm
Tuesday, October 25, 7-9 pm
Tuesday, November 15, 7-9 pm

Final Exam: TBD

Final Exam Policy:
It is the policy of the mathematics department that no final may be given early to accommodate student travel plans. We will not know when the final in this course will be scheduled for some time. Therefore, if you should make plans to travel before the end of final exam period, and it turns out that the final for this course is after your scheduled departure date, you will have to choose between keeping your plans and receiving a zero for the final, or incurring the costs for changing your plans and taking the final at its scheduled time. Thanks for your understanding.

Resources: http://owlspace.rice.edu - here you can find all homework assignments, your grades, and some additional information.
Accommodations:
Any student with a documented disability needing academic adjustments or accommodations is required to speak with me during the first two weeks of class. All discussions will remain confidential. Students with disabilities need to also contact Disability Support Service in Room 111 of the Allen Center (tel: x 5841).

Guidelines for homework assignments:
• print your name clearly in the top right corner of the first page;
• below the name put the assignment number (e.g., HWK 3);
• write the assigned sections and list the assigned problems;
• circle, box or highlight all the problem numbers and answers;
• always show your work to get full credit;
• all problems should follow the same order as in the textbook;
• staple all the pages together in the right order;
• before submission check again that the assignment has your name on it.