Math 2130Q (Honors Multivariable Calculus), Spring 2011

Time and Location: Monday, Wednesday, Friday 11:00 am -12:15 pm, MSB 403

Instructor: Olga Kurth

Office: MSB 204

Office Hours: Monday 1:00-3:00 pm, Wednesday 1:00-2:00 pm, other times by appointment

E-mail: olga@math.uconn.edu (or olgakurth@gmail.com)

Class Webpage: http://www.math.uconn.edu/~olga/math2130s11/

Textbook: *Multivariable Mathematics* Fourth Edition
by Richard E. Williamson and Hale F. Trotter, Pearson/Prentice Hall (ISBN: 0130672769)

Topics:

1. Vectors (Chapter 1)
2. Derivatives (Chapter 4)
3. Differentiability (Chapter 5)
4. Vector Differential Calculus (Chapter 6)
5. Multiple Integration (Chapter 7)
6. Integrals and Derivatives on Curves (Chapter 8)
7. Vector Field Theory (Chapter 9)

Quizzes and Homework: There will be homework problems assigned for every class period. You should read the textbook and solve the problems in order to prepare for class. Although homework assignments will not always be collected, I encourage you to work on solving all the problems. There will be seven in-class quizzes or group work assignments and three graded homework assignments each worth 25 points. The six highest quiz/group work/homework scores will count toward the final grade. Also, there will be a group project and presentation. Completion of the project is necessary to receive an A or B grade. In addition, there will be three 75-minute in-class midterm exams and the final exam.

Grading Policy. Your overall grade for this course will be based on:

Quizzes/Group work/Homework – 150 points;
Group project – 50 points;
Three in-class midterm exams – 180 points each;
Final exam – 260 points.

The grading scale is: A: 90-100%, B: 80-89%, C: 70-79%, D: 60-69%. +/- grades will be assigned at the discretion of the instructor.

Make-up Policies: There will be no make-up quizzes. Late homework will be accepted only if you notify me before the due date and obtain my permission to submit the homework later. To make up a midterm exam you need to present a doctor's note or other kind of documentation that provides an excuse for missing a class. No make-up exam will be allowed without appropriate documentation.

Help: If you have questions about the material covered in class or in homework assignments, please feel free to see me, either during my office hours or by appointment. I encourage you to ask questions during class as well as outside of class. You may also find it helpful to work in groups with other students in the class. It is also possible to get help with the class at the Q Center (http://qcenter.uconn.edu/).

Final Exam Week for Spring 2011 takes place from Monday, May 2 through Saturday, May 7. Students are required to be available for their exam during the stated time. If you have a conflict with this time you must visit the Office of Student Services and Advocacy to discuss the possibility of rescheduling this exam.

Disability Accommodations: If you have a disability and require accommodations, please contact me early in the semester so that your learning needs may be appropriately met.