Creighton University Department of Mathematics
Math 347
Calculus III
Spring 2010

Instructor
Dr. Lance Nielsen
Office: Old Gym 211
Phone: 280-5763
Email: lnielsen@creighton.edu
Web: http://math.creighton.edu/nielsen
Office Hours: MWF - 9:30am - 11:00am and 3:45pm - 5:00pm; Tuesday: 10:00am - 12:00pm. (Note: Thursdays I am at UNL most of the day.)

Course Requirements: Math 246

Text: “Calculus : Multivariable” by Blank and Krantz.

Course Topics:

Chapter 11 .......... Sections 1 - 5.
Chapter 12 .......... Sections 1 - 5 (only part of section 5 will be covered)
Chapter 13 .......... Sections 1 - 9
Chapter 14 .......... Sections 1 - 6, 8
Chapter 15 .......... Sections 1 - 8

Grading: You will be assigned a letter grade based on your performance on regular homework, two “hour” exams and a comprehensive final exam. The use of the computer algebra system Maple will play an essential role in this class (on the homework). We will spend some class time on Maple but time won’t permit me to cover all of the little details - lab time will be needed on your part.

Hour Exams .......... 20% each for a total of 40% of your grade.
Homework.............. 30% of your grade.
Final Exam............ 30% of your grade.

The first hour exam will be given on completion of chapter 12 and the second on the completion of chapter 14.

Attendance: I do not require attendance. If you choose not to attend lecture, you are responsible for the material covered, any work that is due that day or any work that is assigned that day.

If class is canceled, a designated person from the department will announce the cancelation of class with as much notice as possible.
Notes:

1. As mentioned, Maple will play a role in this class and will be used consistently throughout the course. There is no need to be an expert with Maple, however, so don’t worry too much. Also, not every homework assignment will have a Maple problem or problems.

2. The homework will be primarily calculational in nature. However, there will be some proofs from time-to-time though these will usually be quite straightforward. It is expected that the homework will be written *clearly and neatly*. If a problem cannot read, it will not be graded.

3. **Late homework will not be accepted under any but the most dire of circumstances!**

4. **Academic Honesty**: CU has a clear policy that defines academic dishonesty and the consequences of academic dishonesty. You can find this online at [http://puffin.creighton.edu/ccas/policies/acadhonesty.html](http://puffin.creighton.edu/ccas/policies/acadhonesty.html). Be aware of the information on this webpage.

    Any instance of cheating will result in a failing grade for the course.

5. **Point Breakdown:**

   90% - 100%  A  
   85% - 89%  B+  
   80% - 84%  B  
   75% - 79%  C+  
   70% - 74%  C  
   60% - 69%  D  
   0 - 59%  F