Peter B Gilkey
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Mathematics Department, University of Oregon, Eugene Oregon 97403 USA
Math 281 Fall 2011 CRN 14160
Syllabus - version 3

Office Hours: Monday, Wednesday, Friday 10:00-10:50 or by appointment
Meets MUWF 08:00-08:50 in 306 Deady.
Text: MultiVariable Calculus by James Stewart (Thomson Brooks/Cole) is the textbook. (6th Edition (2008) ISBN 9780495011637 from Cengage Publishing). However the 5th edition, the 6th edition, and the 7th edition are all equally acceptable for this course.

Homeworks will be graded using WEBWORKS and the problems will not be specific to the particular edition used -- your account will probably not be active until sometime in September 2011. Each student's login will be their duckid (the part of their UO email address before the "@") and their initial password will be their ID number. If a student's email address does not show up on the roster though, their login and initial password will both be their ID numbers.

Organization. Homework is probably the most important activity in the course in terms of helping you internalize the material. Homework will be due each Tuesday on the material of the previous week. The Monday class period will be a discussion section for the homework to be due the subsequent day by 0800 - there will be a quiz the last 20 minutes of class most Monday's.

Homework: The homework will be assigned and graded using WEBWORKS. It is due at 0800 PST Tuesday morning following the week for which it was assigned. More details will be available presently.

If you are a student with a documented disability please meet with me soon to discuss your needs. If you have not already requested a notification letter from Disability Services outlining recommended accommodations, please do so soon.

Grades:

100 points Homework and Quiz Average (The 2 lowest scores from the combined list of HW and QZ scores will be dropped)
100 points Exam #1 Wednesday 19 October 2011 (Week 4)
100 points Exam #2 Wednesday 16 November 2011 (Week 8)
200 points Final Exam 10:15 Wednesday 7 December 2011 (Week 11)
According to faculty legislation, final exams may not be given early under any circumstances.
Your final grade will be assigned on the basis of the total point score of 500 points. Any student getting at least a B on the final will receive at least a C- in the course. You

must bring your photo ID to all exams. You may bring a 3x5 inch index card with any formulas on it to any exam or quiz if you wish. Similarly, you may bring with you a hand held graphing calculator to any exam or quiz if you wish.

Teaching Associate: Ekaterina Puffini

See Academic Calendar
Reading and homework Assignments

Week 1 (26 Sep-30 Sep 2011). Read the 3 sections on 3-dim coord systems, Vectors, The Dot Product.

Week 2 (03 Oct - 07 Oct 2011). Read the 3 sections on The Cross Product, Equations of Lines and Planes, Cylinders and Quadratic Surfaces.

Week 3 (10 Oct-14 Oct 2011). Read the 4 sections on Vector Functions and Space Curves, Derivatives and Integrals of Vector Functions, Arc Length and Curvature [but ignore the part on curvature], and Motion in Space: Velocity and Acceleration.

Week 4 (17 Oct-21 Oct 2011). Review all previous readings. Exam Wednesday 19 Oct 2011

Week 5 (24 Oct-28 Oct 2011). Read the 3 sections on Functions of Several Variables, Limits and Continuity, and Partial Derivatives.

Week 6 (31 Oct - 4 Nov 2011). Read the 2 sections on Tangent Planes and Linear Approximations, and The Chain Rule.

Week 7 (7 Nov - 11 Nov 2011). Read the 3 sections on Directional Derivatives and the Gradient Vector, Maximum and Minimum Values, and Taylor and Maclaurin Series [this is in an earlier chapter].

Week 8 (14 Nov-18 Nov 2011). Review the previous readings. Exam Wednesday 16 November.

Week 9 (21 Nov-23 Nov). Read the 1 section on Lagrange Multipliers. Thanksgiving Holiday 24-27 November 2011

Week 10 (28 Nov- 02 Dec 2011). Review all the previous readings.

Week 11 05-09 Dec 2011. Final exam 10:15 Wednesday 7 December 2011

To rest on the blue of the day, like an eagle rests on the wind, over the cold range, confident on its wings and its breadth.

Web page spun on 4 June 2011 by Peter B Gilkey 202 Deady Hall, Department of Mathematics at the University of Oregon, Eugene OR 97403-1222, U.S.A. Phone 1-541-346-4717 Email:peter.gilkey.cc.67@aya.yale.edu of Deady Spider Enterprises