Multivariable Calculus

Week 13

Monday April 24 : *Class 29*:

Green's Theorem. We'll examine the trinity of important theorems (Green's, Gauss' and Stokes') which apply to vector fields. They are all basically multi-dimensional correspondences of the Fundamental Theorem of Calculus.

Reading:

Williamson & Trotter, (Section 9.1)

Homework #27:

Williamson & Trotter, page 408: **3, 4, 6, 7, 10 Extra Credit page 409: 15, 18, 20**

Quiz # 11 DUE

Wednesday April 26 *Class 30*:

Review for Exam 3. We'll review the material since the last exam.

Reading:

Williamson & Trotter, (Chapter 7, Section 8.1, 8.4, 9.1)

Friday April 28 : *Exam 3*

Exam 3. Multivariable Integration, Path Integration, Div, Grad, Curl and Green's Theorem!