Multivariable Calculus

Week 11

Monday April 10 : *Class 24*:

Multiple Integration. We'll continue our study of integration of multivariable functions in 2 and 3 dimensions.

Reading:

Williamson & Trotter, (Section 7.2)

Homework #23:

Williamson & Trotter, page 332: **1,2,9,11,13**, **Extra Credit page 333: 17**

QUIZ #9 DUE

Wednesday April 12 *Class 25*:

Change of Variables and Jacobi's Theorem. We'll examine what happens when you want to compute an integral in a new coordinate system.

Reading:

Williamson & Trotter, (Chapter 7)

Homework #24:

Williamson & Trotter, page 363: **5,11**,16,17,21,**35,40,43,44**,49 **Extra Credit page page 365: 48, 50**

QUIZ #10

Friday April 14 *Class 26*:

Practice with Multiple Integration. Let's have fun doing more multiple integrals!