Week 4

Monday September 19 *Class 7*:

The Inverse Matrix A^{-1} and Methods of Computing the Determinant of a Matrix.

Reading:

Williamson & Trotter, (Chapter 2)

Homework #3:

Williamson & Trotter, page 86: 5, 8, 11, 26, 29 page 98: # 1, 2, 3, 4, 21 **Extra Credit page 99: # 22, 40**

QUIZ #2 DUE

Wednesday September 21 *Class 8*:

Derivatives of a Vector Function of a Scalar variable

Reading:

Williamson & Trotter, (Section 4.1)

Homework #3:

Williamson & Trotter, page 182: # 2, 3, 9, 13, 14, 17

Visualizing functions of several independent variables: understanding surface plots, contour plots, level sets.

Reading:

Williamson & Trotter, (Section 4.2)

Homework #4:

Williamson & Trotter, page 192: # 1, 4, 9, 10, 18

QUIZ #3