**201 Math**

**Calculus the classic edition by Swokowski**

**11. INFINITE SERIES**

11.1 Sequences.

11.2 Convergent or Divergent Series.

11.3 Positive-Term Series.

11.4 The Ratio and Root Tests.

11.5 Alternating Series and Absolute Convergence.

11.6 Power Series.

11.7 Power Series Representations of Functions.

11.8 Maclaurin and Taylor Series.

**16. PARTIAL DIFFERENTIATION**

16.1 Functions of Several Variables.

16.2 Limits and Continuity.

16.3 Partial Derivatives.

16.4 Increments and Differentials.

16.5 Chain Rules.

16.8 Extrema of Functions of Several Variables.

16.9 Lagrange Multipliers .

**17. MULTIPLE INTEGRALS**

17.1 Double Integrals.

17.2 Area and Volume.

17.3 Double Integrals in Polar Coordinates.

17.5 Triple Integrals.