

Schedule For Math 212 Summer 2008 General Session

Week 1

06/02/08 *Ch 1: Overview Of Vectors and Vector Arithmetic*

06/04/08 *2.1-2.3, 2.5: Limits, Continuity and Differentiation*

06/06/08 *2.4, 2.6: Paths, Curves & Gradient*

Week 2

06/09/08 *3.1, 3.3: Higher-Order Derivatives & Extrema*

06/11/08 *3.3, 3.4: Extrema (cont.) & Lagrange Multipliers*

06/13/08 *3.4, 4.2: Lagrange Multipliers & Arc Length*

Week 3

06/16/08 *4.2: Arc Length*

06/18/08 *4.3: Vector Fields*

06/20/08 *4.4: Divergence & Curl*

EXAM 1

Week 4

06/23/08 *5.1-5.3, 5.5: The Double and Triple Integrals*

06/25/08 *5.4: Change the Order of Integration*

06/27/08 *6.1,6.2: Change of Variables*

Week 5

06/30/08 *7.1, 7.2: Path & Line Integrals*

07/02/08 *7.3, 7.4: Parametrization & Area of a Surface*

07/04/08 **HOLIDAY**

Week 6

07/07/08 *7.5: Integrals of Scalar Functions Over Surfaces*

07/09/08 *7.6: Surface Integrals of Vector Fields*

07/11/08 *8.1: Green's Theorem*

EXAM 2

Week 7

07/14/08 *8.2: Stokes's Theorem*

07/16/08 *8.3: Conservative Fields*

07/18/08 *8.4: Gauss's Theorem*

07/21/08 **FINAL EXAM 5pm-8pm**