Math 290 Schedule, Winter 2015

	Monday	**Wednesday**	**Friday**
1/5-1/9	Orthonormal Bases	Orthogonal Projections	Gram-Schmidt Process
1/12-1/16	Orthogonal Matrices	Least Squares	Symmetric Matrices
1/19-1/23	No Class	Quadratic Forms	Lines and Curves
1/26-1/30	Cross Product	Planes	New Coordinates
2/2-2/6	Review	More on New Coordinates/ Functions of Several Variables	Quadric Surfaces
2/9-2/13	Limits	Derivatives	More on Derivatives
2/16-2/20	Higher-Order Partials	Chain Rule	Directional Derivatives
2/23-2/27	Gradients	Differentials	Taylor Polynomials
3/2-3/6	Review	Extrema/ More on Extrema	Lagrange Multipliers
3/9-3/13	More on Lagrange Multipliers	Review	Review