2/21/08 Lecture outline

- Supersymmetric Lagrangians for chiral (and anti-chiral superfields):

$$\mathcal{L}_{susy} = \int d^4\theta K(\Phi^i, \bar{\Phi}^i) + \int d^2\theta W(\Phi_i) + h.c..$$

- Details of why it's supersymmetric. Expand out in components for case of $K = K_{can} = \sum_i \bar{\Phi}^i \Phi^i$.