## Work Done by Gravity 2

Example 2: Toss ball up

$$W_g = (mg)(d)\cos\theta$$
  
 $d = h$   
 $W_g = mghcos(180^\circ) = -mgh$   
 $\Delta y = y_f - y_i = +h$   
 $W_g = -mg\Delta y$ 



