

Physics 30

Unit II – Mechanical Energy - Equation Sheet

$$W = \vec{F} \Delta \vec{d}$$

$$W = \vec{F} (\cos \sigma) \Delta \vec{d}$$

$$W = \Delta E_k$$

$$P = \frac{W}{t}$$

$$P = \vec{F} \vec{V}_m$$

$$E_k = \frac{1}{2} mv^2$$

$$\Delta E_k = E_{kf} - E_{ki}$$

$$E_g = mgh$$

$$E_T = E_k + E_g$$
