Physics 151 Reading Assignment for November 14 Sections 8.1-8.2

8.1 - Torque and Static Equilibrium

- This section combines what we know about linear and rotational motion.

- When an object is at rest $\sum \overrightarrow{\mathbf{F}} = 0$, but it's also not rotating, so $\sum \tau = 0$.

- A very useful fact in problem solving is that we can choose *any* point on the object to be O and the $\sum \tau = 0$.

8.2 - Stability and Balance

- When trying to balance an object on a point, if its center of gravity is directly above the balancing point it will be stable.