

PHYSICS 151 READING  
ASSIGNMENT FOR SEPTEMBER 28  
SECTION 5.1

**5.1 - Equilibrium**

- An object in static equilibrium has zero net force acting on it.
- Our main problem-solving goal in equilibrium problems is to solve for the magnitude and sometimes the direction of the individual forces acting on an object.
- Both the  $x$ - and  $y$ -components of the forces have to add to zero.