

PHYSICS 160 READING  
ASSIGNMENT FOR FEBRUARY 22  
SECTIONS 5.1-5.2

**5.1 - Using Newton's First Law: Particles in Equilibrium**

- In equilibrium, the forces add to zero.
- Study the examples here, you'll see plenty like them on the homework and the exams.

**5.2 - Using Newton's Second Law: Dynamics of Particles**

- Notice that  $M\vec{a}$  does *not* go on free-body diagrams.
- Lots more examples for you to look at.