Forces

• Hooke's Law – force by an elastic body is proportional to its extension, provided the limit of proportionality has not been exceeded.



- Equilibrium of Forces
 - Condition 1: Sum of forces in any directions is zero
 - Condition 2: Sum of moments about any point is zero



• Further application on moments



- Upthrust
 - A net upward forces by a fluid on a body due to the pressure difference experience by the top and bottom of the body.

