**ES 335 Exam #1 Study Guide**

* Planes & Axes
  + Fundamental movements of each plane/axis
  + Functional joint classification
* Purpose of kinematic analysis
* Kinematic variables
  + Time
  + Position
  + Displacement
  + Velocity
  + Acceleration
* Scalars vs. vectors
* Linear vs. angular motion
* Converting units
* Problem solving with laws of constant acceleration (linear and angular)
* Projectile motion
  + Problem solving with projectile motion