**ISyE 6337 Course Topics**

**Supply Chain Engineering 3**

* Wholesale and retail channels and their interaction and economics
* Procurement, make-or-buy decisions, auctions
* Inventory-pooling, postponement, vendor-managed inventory
* Supply chain dynamics: bottlenecks, the bullwhip effect, magnification of variability and strategies for reducing it, recirculation
* Supply chain coordination and collaboration: Mechanisms for inducing coordination, stable strategies, mechanisms for profit-sharing