**ISyE 6339 Course Topics**

**Supply Chain Information Systems**

* Relational databases, SQL, distributed databases, concurrency
* Planning and execution systems: ERP, WMS, and TMS; services, requirements, architecture
* Services-oriented architecture and markets for software services; cloud computing; systems integration; xml and its relatives
* Technologies for scanning and monitoring: bar codes, RFID; visibility systems for monitoring and exception management
* Data-mining the supply chain: Managing huge data sets; finding patterns; tuning the enterprise