Course Information: Fall 2022

Meeting Details:
- Monday and Wednesday 4:30 pm - 6:15 pm
- PHO 202, 8 St. Mary’s Street

Instructor:
- Professor Perkins
- Office: 15 St. Mary’s Street, Room 146
- Phone: (617) 353-4991
- Email: perkins@bu.edu

Course Website:
- Blackboard Learn

Office Hours:
- Wednesday 3:00 pm - 4:00 pm (email me to confirm) and by appointment

Textbook:
- David Simchi-Levi et al., Designing and Managing the Supply Chain (3rd ed.)

Homework Assignments:
- Homework assignments will be 30% of the course grade. Assigned (approximately) every fortnight.

Exams:
- Midterm worth 25% of course grade. Midterm date: TBD
- Final worth 30% of course grade. Final date: TBD

Attendance and Participation:
- Attendance/Participation in class will be 15% of course grade.
Boston University, College of Engineering
ENG ME 420: Supply Chain Engineering

Course Topics: Fall 2022

- Introduction
- Inventory Management and Risk Pooling
- Network Planning
- Supply Contracts
- Smart Pricing
- Distribution Strategies
- Value of Information
- Customer Value
- Risk Management
- Strategic Alliances
- Procurement and Outsourcing Strategies
- Coordinated Product and Supply Chain Design

Tools for Supply Chain Engineering

- Value Stream Mapping
- RFID Chips and GPS
- Inventory Optimization
- Cellular Organization
- Global and Domestic Outsourcing
- Continuous Costing
- Product Visioning
- Product and Process Modularity