Boston University, College of Engineering  
ENG ME 420: Supply Chain Engineering  

Course Information: Spring 2017

Meeting Details:
 Tuesday and Thursday 1:30 pm - 3:15 pm  
EPC 208

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

Office Hours (email me to confirm):  
 Tuesday/Thursday 12:30-1:00 pm and Thursday 3:30-5:00 pm and by appointment

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

Homework Assignments:
 Homework assignments will be 36% of the course grade. Assigned (approximately) every fortnight.

Exams:
 Midterm worth 24% of course grade. Midterm date: TBD  
Final worth 30% of course grade. Final date (tentative): Tuesday, May 9, 2017, 3:00 pm – 5:00 pm

Attendance and Participation:
 Attendance/Participation in class will be 10% of course grade.
• 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

1. Value Stream Mapping
2. RFID Chips and GPS
3. Inventory Optimization
4. Cellular Organization
5. Global and Domestic Outsourcing
6. Continuous Costing
7. Product Visioning
8. Product and Process Modularity