Meeting Details:
   Monday and Wednesday 4:30 pm - 6:15 pm
   PHO 211, 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:
   Monday/Wednesday 1:00 pm - 2:00 pm (email me to confirm) and by appointment.

Course Readings:
   Textbook: F. Robert Jacobs and Richard Chase, Operations and Supply Chain Management,
   (16th ed.), McGraw-Hill, 2021

   Case Studies: Harvard Business School and assorted other articles

Homework:
   Homework will be 30% of course grade.

Exams/Projects:
   Midterm worth 20% of course grade.
   Semester project and presentation worth 30% of course grade.

Attendance and Participation:
   Attendance/Participation in class will be 20% of course grade.
• **Prerequisite: EK 409 (Engineering Economy)** Topics: decision making among alternatives; break-even and minimum cost analysis/cost optimization; benefit and cost analysis; inventories (including Little's Law, economic order quantity (EOQ), utilization, etc.)

**Course Syllabus: Spring 2022**

• **Manufacturing Strategy Tools**
  - Process Analysis and Metrics
  - Manufacturing Finance and Control
  - Business and Operations Strategy
  - DfX (Design for X) and Learning Curves

• **Plant Strategy**
  - Plant Location
  - Types of Processes / Facility Layout
  - Forecasting and Operations Planning
  - Capacity Management
  - Inventory Management
  - Six Sigma Quality
  - Motivating a Workforce

• **Supply Chain Strategy**
  - Introduction to Supply Chains
  - Lean Production and Lean Supply Chains
  - Logistics
  - Global Sourcing and Procurement
  - ERP and MRP
  - Reverse Logistics