SEG 4550 - Production Systems Planning and Management

Instructor: Prof. Jaydeep Balakrishnan

OVERVIEW OF COURSE
The objective is to treat the major issues in materials management, production planning and supply chain management. Although some background logic will be covered, the primary emphasis will be on presentations of methods applicable in practice. Pedagogy will include lectures, case studies, journal articles, in-class exercises and possibly guest lecturers and a plant visit.

READING MATERIAL

ASSESSMENT:
Case/Problem Assignments (25%)
Class Article Presentations (5%)
Midterm (25%)
Term Paper/Presentation (20%)
Final Exams (25%)

TOPICS TO BE COVERED:
Inventory models, production scheduling, aggregate production planning, workforce planning, materials requirement planning, just-in-time systems, supply chain management, enterprise resource planning, and performance measurement