



Integrating the Lean Enterprise
16.852J/ESD.61J

Course Overview

Prof. Deborah Nightingale
September 7, 2005



Agenda

- Background
- Syllabus
- Survey
- Logistics
- Learning Objectives
- Class Schedule

Logistics: Homework

- Submit electronic copy
 - Use the folder for the assignment you are submitting
- If submitting multiple files, zip them together
- File Naming Convention
 - Individual: *LastName-FirstName-IA#.pdf*
 - Team: *TeamName-EVSMA##.zip*
 - Within zip file: *TeamName-EVSMA##-Desc.xls*
- Also submit hard copy in class
- First assignment: Student Questionnaire
 - Under Surveys on the class homepage
 - Please submit by Friday at the latest

Learning Objectives of 16.852J/ESD.61J Integrating The Lean Enterprise

- “Lean” principles and practices
 - Implications of lean vs mass
 - Lean Enterprise Model (LEM)
- Holistic view of the enterprise
- “Lean” in an enterprise context
- Value stream mapping and analysis
- Stakeholder Value

Learning Objectives of 16.852J/ESD.61J Integrating The Lean Enterprise

- Understand elements of the enterprise in context of the whole
 - Elements: customer, product development, manufacturing, supply chain, support, Finance, HR, society, etc.
- “People” and organization issues
 - Training, leadership, motivation, teaming...
- IT Issues
 - Seamless information flow, “loose/tight”, ERP, enablers and challenges

Learning Objectives of 16.852J/ESD.61J Integrating The Lean Enterprise

- Integration / Interfacing of Enterprise Elements
 - Understand integration vs interfacing
 - Components critical for each element pairing
 - Information
 - Processes
 - Technology Enablers
 - People
- Implementation Strategies
 - Vision / Management Buy-in/Leadership
 - Metrics
 - Transformation Planning
 - Case Studies
 - Assessment

Learning Objectives of 16.852J/ESD.61J Integrating The Lean Enterprise

- Future Trends
 - IT
 - e-Business
 - Knowledge Management
 - Globalization
 - Enterprise Architecting