Objective:
To provide the students an integrated concept on how to analyze and improve the operation systems.

Prerequisites:
Production and Operations Management, Quality Management

Topics:
- Introduction
- Continuous Improvement Tools
- Material Flow and Facilities Layout Improvement
- Material Flow and the Design of Cellular Layouts
- Equipment Efficiency: Quality
- Equipment Efficiency: Performance
- Equipment Efficiency: Availability
- Value engineering
- Environmental Issues
- Other Improvement Tools
- Topics on Forecasting
- Topics on Inventory Control

Text:
“Improving Production with Lean Thinking” by Santos, Wysk, and Torres, 2006, Wiley.

References:
Other POM related books.

Grading Policy:
- Mid-term: 30%
- Final: 30%
- Homework & Projects: 40%

Note:
1. Any dishonest behavior will result in the failure of this course.
2. The instructor reserves the right to adjust the grades. However, you are guaranteed that your grade will not be adjusted down.
3. Homework will be assigned from time to time and will be due in two weeks. No late homework will be accepted. You will be responsible for any missing material due to your absence.
4. Mobile phone should be turned off or in silence mode. Violators could be asked to leave the classroom.