



Engineering and Technology Management

COURSE SYLLABUS

Course Number: E M 438

Course Name: Lean Agility

Instructor: David Paulus

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Semester Credits: 3

Prerequisites: None

Course Description and Objectives:

This course covers methods of improving production with using lean manufacturing and six sigma principles and introduces the “Theory of Constraints” to select which projects to apply the lean and six sigma principles.

Learning Outcomes:

- Continuous Improvement Tools
- Material Flow and Facilities Layout
- Design of Cellular Layouts
- Equipment Efficiency: Quality and Poka-Yoke, Performance and Motion Study, Availability, Maintenance, and SMED
- Environmental Improvements
- 5S Methodology