

MTTN201N : Lean and Green Manufacturing Methods

This course introduces the student to the fundamentals of Lean Six Sigma and the philosophies of Dr. W. Edwards Deming and the Toyota Way. These methodologies include production, process and inventory control, continuous improvement methods and how they apply to concepts of Lean Six Sigma. In addition, the application of these philosophies in plant management, safety, waste analysis and workflows will be studied and applied. Green manufacturing innovations, ISO 14000 standards and processes will also be reviewed. Case studies of existing plants will be used in the course. Guest lecturers and possible plant tours to see these topics in action will be part of the course as schedules permit.

Class Hours 3

Lab Hours 0

Credits 3

Prerequisites

[MTTN101N](#) or permission of Program Coordinator/Department Chair.