

INT 144 : F.A.M.E. Manufacturing Core Exercise 3, Lean Manufacturing

This course introduces the Federation of Advanced Manufacturing Education (FAME) MCE-3 (Manufacturing Core Exercise) for Lean Manufacturing. Students will be introduced to a systematic method for waste minimization (AKA: Muda) within a manufacturing system, without sacrificing productivity. Lean also takes into account waste created through overburden (AKA: Muri) and waste created through unevenness in workloads (AKA: Mura). The Lean management philosophy will be clearly defined and explained with experiential exercises, reinforcing the following concepts: 1. The value-added product 2. The maintenance value-added product 3. Value-added work and necessary work 4. How this leads to increased profit 5. Workload unevenness (Mura) 6. Waste created through overburden (Muri) 7. The seven areas of non-value-added waste (Muda): conveyance, correction, motion, over-production, over-processing, waiting and inventory

Program

Industrial Automation Technology

Hours 1

Theory Hours 1