

Lean Mindset Course Outline

Lesson 1 | Why Lean?

- Be customer focused: Be on-time, responsive, flexible, and fast.
- Simplify and standardize workflows: Mimic continuous flow, minimize WIP, use visible measures.
- Manage capacity: Increase process uptime, reduce set-up times, find "lost" capacity.
- Eliminate waste: Identify non-value adding activities, then modify, combine, or eliminate those tasks.
- JiT: Not too early and never late; not just-in-case inventory but just-in-time production and delivery; products must always be made right the first time; equipment must always work when needed.

Lesson 2 | Lean Terminology

- Terms
- Tools
- Techniques

Lesson 3 | Streamlining the Value Stream

- Identify process goals.
- Collect and analyze process data.
- Create a macro-facility workflow to determine how to minimize high volume travel distances.
- Conduct a micro-process workflow to apply cellular concepts, identify and remove bottlenecks, and move to pull manufacturing with kanbans.

Lesson 4 | Continuous Improvement

- Fight NIH (not-invented-here) attitudes and leverage successes.
- Use kaizen events for rapid, targeted improvements to achieve the future state.
- Use a standardized Problem-Solving Model (e.g. DMAIC or 8D).
- Begin an employee idea system.

Challenge

- An assessment of the learner's progress in this course.