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Keeping your Lab in motion
LEAN IN LABORATORIES
Join us for a 5-DAY LEAN CERTIFICATE PROGRAM

Pharmaceuticals, Human and Animal Healthcare, Bio-tech environments, Cosmetics, Chemicals, Food industries, R&D…

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Keeping your Lab in motion

LEAN IN LABORATORIES
A 5-DAY LEAN CERTIFICATE PROGRAM

Learn how the Lean fundamentals and the Lean mindset apply to reduce lead time, eliminate quality issues and therefore expedite the batch release process. The results: a 50 to 90% performance improvement plus an energized Visual Laboratory workplace.

The Lean laboratory certificate program is a 5-day fully accredited program designed to start you on the path to continuous improvement in your lab! Learn how to manage flows, eliminate backlogs, rework, and other inefficiencies while improving service to Production, Supply Chain and Customers and increasing employee satisfaction.

Why is Lean important in lab environments?

Because a laboratory is involved at each step of the Value Stream — incoming materials and goods, work-in process, and (semi) finished products —, delays and errors have a negative impact on the entire organization. Therefore speed, reliability and quality, i.e. lab efficiency, have a direct impact on overall organizational efficiency, as well as costs and the ability to meet customer demand.

Furthermore, specialized skills needed in the laboratory make it specially devastating for the organization when individual technicians leave due to an inefficient stressful process and environment.

Applying Lean in a lab environment helps alleviate inefficiencies by:

- Improving the end-to-end processes (Value Streams)
- Understanding demand and its variability
- Scheduling analysis flows based on demand
- Defining resources required
- Creating and sharing standards to reduce rework

While

- Creating a working environment based on trust, empowerment, and teamwork
- Upskilling through cross-training
- Developing problem solving skills

The Lean Lab concepts apply to all laboratories including Production Labs, Quality Control, Quality Assurance, and R&D.

Our Partnership with The Ohio State University

For nearly two decades, Productivity and the Fisher College of Business at The Ohio State University have been certifying Lean and TPM Managers.

We set the benchmark in 2001 when we launched the first fully accredited certification program for Lean Managers.

Today we offer 6 programs, all held on the campus of The Ohio State University in Columbus, Ohio. Each program is fully accredited and provides CEUs.

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PROGRAM OBJECTIVES

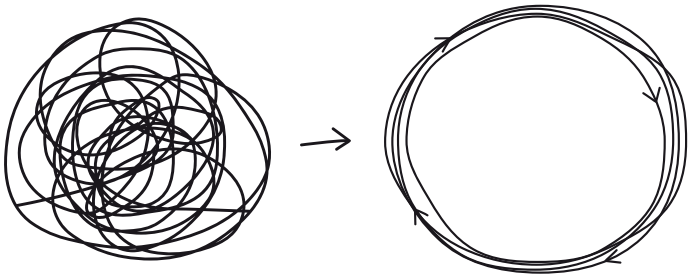
Discover how Lean can help:

- Continuously improve customer satisfaction by improving quality at the source and reducing lead-time for your customers
- Systemically and repeatedly identify process inefficiencies so they can be reviewed and eliminated
- Eliminate back-logs and failure demand – the work created when an activity is not carried out correctly the first time
- Level the analysis flows to respond to incoming demand
- Reduce absenteeism and turnover by creating more value-added work
- Make processes visible so everyone can monitor daily progress to achieve improvement goals
- Increase process capacity so more value-adding work can be performed with existing resources

BENEFITS OF ATTENDING

You will understand how these principles apply to your laboratory processes and how you can develop your "leadership legacy" through the implementation of these Lean approaches.

Upon completion of this 5-day program, you will be awarded the Lean Laboratory Improvement Certificate and earn 4 Continuing Education Units from The Ohio State University.



Imagine if you could accelerate and improve laboratory response time.

Optimize man time and machine time - Improve your equipment utilization – Eliminate rework leading to:

- Lead time reductions ranging from 50% to 90% depending on the type of analysis and service
- Productivity improvements from 30%-50%, allowing for cross-training and redeployment of staff
- 40%-50% reductions in changeover time
- Significant reduction in the costs of supplies as a result of visual inventory management

PROGRAM CURRICULUM

Monday 8am-5pm

- Lean Fundamentals in Labs environments
- A3 Thinking
- High Level Process Mapping
- Learning to see Waste in Labs

Tuesday 8am – 5pm

- Mapping and Improving the Value Streams
- Understanding Incoming Laboratory Demand
- Defining Product Families in Laboratories

Wednesday 8am – 5pm

- Planning and Scheduling to optimize Man and Equipment Time
- Building Visual Management for Analysis Flows and Lab Activities
- Workplace & System Organization: 5S's, Visual Standards and Standardized Work for Process Stability

Thursday 8am – 5pm

- Reducing set-up times
- Establishing metrics: Leading and lagging KPI's
- Daily Performance Management
- Team-Based Problem-Solving

Friday 8am – 12pm

- Week in Review
- Taking it Back Home: Outlining Your Implementation Roadmap

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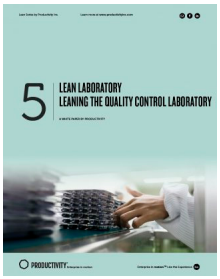

#5 White Paper

Leaning the Quality Control Laboratory

Pharmaceutical manufacturers continue to operate in an increasingly competitive environment, contending with issues that run the gamut from lost revenue from expired, patents, ballooning costs for new drug research and development, changes required by new regulations and other compliance mandates and... Read more on our website

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