



Fleming College

Contract Training



# Lean Plus

## Training and Certification

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## The ultimate multi-tool for achieving innovative, transformational and sustainable leadership

**Lean Plus** combines training and certification in Lean Six Sigma with training in innovative leadership, transformational change and continuous improvement. You will have access to an online innovation hub, one-on-one coaching and an applied project that not only amalgamates your training, but gives you an ROI on your training investment.

**Lean Six Sigma** is a management tool that eliminates waste, focuses on value-added work and creates a road map to identify and implement improvements. Its manufacturing-based roots now empower companies of all types, such as consumer product companies, municipalities, health care organizations and service providers, to create leaner work flows and deliver greater value to customers. Lean Six Sigma will give your organization a big-picture instrument that can systematically reach deep into operations to create effective, sustainable change.

### ⚙️ White Belt Certification

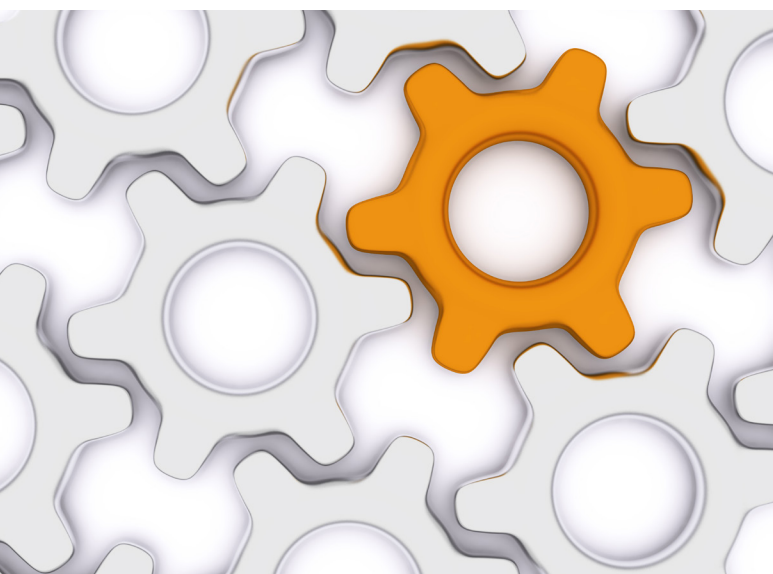
In this introduction to Lean, participants become familiar with the processes and tools of the Lean concept. Participants will gain an understanding of how Lean can create more value for the client by eliminating activities that consume resources, add cost or time without creating value. Total time commitment: 24 hours

#### ■ Workshop

Length: 3 days + 1-2 hours of assignment work per day

#### Workshop Modules

- > **Waste** – Definition and examples in organizations.
- > **Tools** – An introduction to Lean tools to describe the current state and quantify waste.
- > **Simulations** – Participation in a manufacturing operations simulation, in which participants identify, quantify and describe waste forms, then suggest and implement improvements and calculate associated benefits.
- > **Kanban/Pull** – Introduction to the control tools that improve and maintain the logistical chain of high-level production and customer-based replenishment.
- > **5S** – Introduction to organizing work space for efficiency and effectiveness in addressing how to store, streamline and maintain items in the work space in a standardized way.
- > **Observation/Standard Work** – Examination of the value and process of adding observation to managerial activities and standardization to work processes to support operational improvements.
- > **Accelerated Change Management** – Insight into proactive management of change, including an assessment of typical responses to change and approaches to making positive, lasting change in every environment.
- > **Kaizen** – An introduction to this powerful tool for continuous improvement of internal and external processes. The tool involves every member in the organization.
- > **Theory of Constraint** – Tutorial on the application of constraint management, the concept of identifying constraints within the system and exploiting them to maximize the organization's goals.



## Green Belt Certification

This certification, which includes all modules of the White Belt Certification, creates team leaders who can champion the transformation of work processes to a Lean model by communicating at all levels of their organization, leading and influencing staff at all levels and achieving sustainable results. You will learn to map the current state, the future state and the implementation plan to move from current to future state. A work-related applied project and extensive coaching will ensure the ability to implement concepts learned in the classroom into the workplace. Typical Green Belt graduates will return their annual salary in savings each year.

### ■ Workshop

Total time commitment: 11 days over three months

#### Workshop Modules

- > **All White Belt Components**
- > **DMAIC-Define, Measure, Analyze, Improve, Control** – Data-driven cyclical roadmap to improve and optimize business processes and designs.
- > **Layout and Product Families** – Design principles for factory and workplace layout to optimize flow.
- > **Failure Mode and Effects Analysis (FMEA)** – Systematic risk management technique that analyzes failure and determines corrective and preventative measures.
- > **Single Minute Exchange** – Optimizing process changeovers as applied by Toyota philosophies.
- > **Value Stream Mapping (VSM)** – Highly effective tool that creates a visual map of the current state and desired future state for either a product or a service chain of activities. This groundwork will define strategies and priorities required to eliminate non-value adding steps and achieve a lean workflow. VSM creates impressive outcomes that are remarkably effective at transforming organizational leadership thinking.
- > **Interactive Inventory Game** – Simulation using a case study on beer to understand cross-functional inventory management.
- > **Heijunka** – Scheduling tool that optimizes inventory to meet customer demand, yet minimizes inventory, capital cost, manpower and lead times.
- > **Baseline Simulation** – Full-day seminar to bring together previous modules by reviewing a simulated company's current state to determine improvement projects and opportunities.
- > **Variation and Correlation** – Introduction to basic statistics that help quantify and analyze the current production state.
- > **Performance Management and KPI** – In-depth look at measuring performance and plant or business sustainability.
- > **Lean Design** – Capstone module on implementation of the Lean program in the workplace.

### ■ Certification Project

Each participant will implement the knowledge and skills gained from the workshop modules by applying them to an integrated workplace project of their choosing. This project, which will create an ROI on the certification investment, will be presented during the last workshop module.

### ■ Innovation Accelerator

Ramp up the success of your green belt project. This intensive one-day workshop trains you to use creative problem-solving tools, skills and behaviours to meet the challenge. You will increase your creative capacity to solve complex problems and learn fresh approaches to break old habits and traditional processes.

- Discover your own creative thinking preference and style and how that can help and hinder effective problem solving
- Use new tools in each stage of the creative process to address challenges in a new way
- Develop capacity to ask powerful questions to tackle the right issues
- Practice on a personally relevant complex problem or opportunity
- Increase both critical and creative thinking skills
- Develop an initial 'prototype' of an idea to test
- Deepen your capacity to be a creative leader

### ■ Coaching

Each participant will receive extensive coaching during the Certification Project to support their understanding and application of Lean concepts.

### ■ Optional Learning Extensions

Workshops can be added on to the Green Belt Certification. Contact us for more information.

#### > **Gemba Walk** (2 hours)

On-site front-line observations on waste reduction, process improvements and opportunities by a Master Black Belt and subsequent written report.



# Fleming College

Fleming College Contract Training also offers:

- Manufacturing Operations Certificate
- PEAK Leadership Training

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