

Principles of Lean Certificate

In today's business environment the one constant is change:
Still think continuous improvement is an option?

These days "Waste not—want not" is a survival tactic.

A wise economist once observed that, in business, there is no such thing as treading water. You're either going up—or going down. And if you're not continually eliminating waste and adding value, someone else will be eating your lunch. This certificate program adds value and longevity to your organization and your career.

Who Should Attend

Anyone with a senior management role in the production process.

What You Will Learn

This Certificate Program consists of a series of ten workshops and covers a comprehensive combination of theory, case studies, simulations, and hands-on training. Participants actively work on lean solutions for their organizations.

Seminar Content

- The Six Sigma's statistical approach and its positive impact on process certification.
- Problem solving and decision-making tools related to team based approaches to continuous improvement.
- Leadership practices that enhance the participative approach to successfully deploy the approach required to maximize benefits to all stakeholders involved.

Modules: 11 X 1-day modules conducted over a period of 11 days over 15 weeks (or a timetable that is mutually convenient to both client and trainers).

Module 1:

- Lean Manufacturing: Introduction Lean Manufacturing
- History and Origins of Manufacturing
- The Toyota Production System
- Lean Manufacturing: Core Disciplines

Module 2:

- Developing and Implementing a Lean Manufacturing Strategy

Module 3:

- Teams (People and Technology)
- Jidoka and Autonomation

Module 4:

- Value Stream and Process Mapping
- Standardized Work

Module 5:

- Kaizen:
- 5S, Safety and Visual Management

Module 6:

- Root Cause Analysis (RCA) using the 8-D Process

Module 7:

- Lean, Six Sigma and Total Quality
- Metrics & Measurements

Module 8:

- Continuous Flow/One Piece Flow
- Cellular Manufacturing
- Work Balancing (Scheduling and Level Production/ Takt Time)

Module 9:

- Quick (Rapid) Set-up (SMED)
- Kanban, Pull Systems, Point of Use Storage and Just-In-Time

Module 10:

- Poka-Yoke:
- Total Productive Maintenance
- Supplier Development

Module 11:

- Capstone Presentation

continued...

Principles of Lean Certificate...

Prerequisite

Loyalist's Lean Certification, requires a score of at least 60% on the following:

- Completion of a mid-term take home assignment (25%),
- Pass a final multiple-choice and short answer final examination covering the entire course (35%),
- Presentation: Facilitate or participate in a Kaizen blitz (or project) within 60 days of course completion and submit a report on the learning and impact on the process and organization (40%).

Your Facilitators

Sal Polletta is a graduate of McGill University with a Bachelor of Commerce (B. Com. McGill, 1979) in Finance and Organizational Behaviour and post-graduate degree (D.M. McGill, 1986) in Management and Organizational Behaviour.

He is bilingual, with over thirteen years of experience in management (1979-1991) and eleven years in the field of consulting, facilitating and teaching adults.

He has worked with several educational institutions, training partners, multi-national organizations and government departments in North America, Europe and the Middle East.

Sal is a qualified lead auditor of the ISO 900, QS-9000 and ISO 14000 International Standards and is trained as a Six Sigma Black Belt.

His client list includes General Electric, Goodyear, Black & Decker, Heinz Foods, Canadian Forces Base Trenton (8 Wing), NORTEL, HRDC, CCRA, CCMD, RCMP and the Canadian Police College among many others.

Glen LeClair, P. Eng., has an Honours BSc in Mechanical Engineering from Queen's University. Glen is currently the Site Engineering Leader at Procter & Gamble Inc. in Belleville. He has worked for Procter & Gamble for 22 years in a variety of Engineering, Project Management, Maintenance and Operations roles in production plants in Canada, Germany and England. Glen's primary field of expertise is optimizing organizational designs and manufacturing systems in High Performance Work Organizations. He has implemented key TPM/Lean concepts since his formal TPM education began in Brussels, Belgium in 1992. He has more recently benefited from the personal coaching from the Japan Institute of Plant maintenance, the founders of the TPM movement.

Other Lean Practitioners as required.



Skills that WORK.

COLLEGE
Loyalist
Training & Knowledge Centre