

PURDUE UNIVERSITY

Online Lean Principles

Earn Your Certificate Entirely Online

The Purdue University Lean Principles course focuses on the 14 management principles practiced in Lean systems for achieving operational excellence. It is one course in a three-course series, the online Lean Six Sigma program offered through the Partnership for Competitive Advantage at Purdue University.

Lean Principles is a system working together in harmony: a set of tools, quality improvement methods and a business philosophy based on a deep understanding of people and human motivation. The objective of this course is to help you understand this system, and how to make it work. The discussions and assignments reach beyond the manufacturing world and into other disciplines and transactional settings.

What Will I Learn in This Course?

The Lean Principles course is based on both the Toyota Production System and the Toyota Way. The key to successful implementation of Lean methods within any organization is not about implementation of just the Lean tools – it is about understanding that all of the principles of Lean work together as a system. The instruction in this course covers both the Toyota Way, which is the fundamental way that Toyota views the world and does business; and the Toyota Production System, which is the way that Toyota creates flow and eliminates waste. When executed as a system, these form a Lean process manufacturing philosophy and set of methods for dramatically reducing time from customer order to product delivery, costing less, taking less space and producing superior quality. The methods are studied and used by organizations throughout the globe.

Certificate Overview

This 8-week certificate course will instill lean process techniques and Lean methodologies applicable for any industry to ultimately benefit your customer, and help you transform your operations to an overall lean enterprise. Learning activities include reading; watching streaming lecture videos via the Internet; participating in asynchronous online discussion boards; taking online quizzes; and completing assignments related to the Lean tools. You will have the opportunity for live coaching through email, phone, or online chat with your instructor as well as with your fellow participants in the course.

Time involved to successfully complete the Lean Principles certificate course is comparable to a week-long short course conducted in person in a traditional classroom environment. It is recommended that you plan on studying about 3.5 to 4 hours per week. With this certificate course, you can do your work at a time and place that is most convenient for you.

PURDUE
UNIVERSITY™

- Lean Principles Certificate
- Entirely Online
- 8 Weeks
- Purdue University Partnership for Competitive Advantage
- Earn CEUs



Lean Principles

Learning Outcomes

- Develop a complete understanding of the Toyota Way Philosophy and the Toyota Production System (Lean)
- Understand The Toyota 4 P Model: Philosophy, Process, People/Partners, and Problem Solving
- Develop a complete understanding of the 14 Principles of the Toyota Way – the foundation of the Toyota Production System practiced at Toyota manufacturing plants around the world
- Develop a complete understanding of the “Toyota Production System House” and each of the rooms in this model



Upon successful completion of the course, you will earn a Lean Principles certificate of achievement from Purdue University and the option of 3.5 CEUs (continuing education units).

Who should enroll in Lean Principles?

- Project managers and process owners who want to learn and apply the 14 management principles and many of the Lean tools practiced in the Toyota Production System for reducing or eliminating waste and streamlining processes.
- Financial managers, plant managers, floor supervisors, business owners, and administrators who are seeking a proven method for drastically improving the organization's processes.
- Individuals or teams of people in the fields of engineering, healthcare, banking, military service, education, and anyone else interested in increasing their knowledge of Lean, and in taking the next step toward Lean Six Sigma Black Belt certification

This is a stand-alone course, and you can complete it without taking the Lean Six Sigma Green Belt. This course requires no prior knowledge in Lean. This course is one of the two prerequisite courses for the online Lean Six Sigma Black Belt offered by Purdue University, Partnership for Competitive Advantage.

Innovator in Distance Education

Purdue University

From the long-ago days of sending instructors out on the train to engage learners in distant locations, to satellite delivery of courses, to online learning, Purdue University pioneers instructional delivery techniques that meet the needs of its 69,000+ learners. Founded in 1869, Purdue is a global leader in disciplines from engineering to agriculture to business. The Lean Six Sigma online program is yet one more way Purdue has responded to the needs of lifelong learners. Purdue takes a strategic approach to lifelong learning with offerings that range from summer programs and events for elementary school-age children and teens, to its highly-ranked undergraduate and graduate programs, to its many pathways that meet the needs of adult learners. The Lean Six Sigma online program is sponsored by the Partnership for Competitive Advantage – an affiliates program at Purdue focused on providing targeted educational solutions that can be quickly evolved to align with specific needs expressed by lifelong learners in business settings.

Educational Services Provider

The College Network®

Since 1992, The College Network has provided educational solutions that help individuals advance their education and training with college degrees and professional certificates from highly acclaimed universities. As one of the nation's leading eLearning companies and a partner with some of the nation's foremost institutions of higher learning, The College Network has helped hundreds of thousands of adults continue their education.

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The program information in this publication is current at the time of printing. The most up-to-date information is available at www.collegenetwork.com, or you can speak with a Program Advisor at 1-877-256-5327.

