



ONSITE OR ONLINE GROUP TRAINING

The Pyzdek Institute's SPC and Continuous Improvement Workshop is also available for groups. Whether you are looking for online or onsite training, we are pleased to accommodate your needs and customize the course to your organization. Contact us for details.

SCHEDULE OPTIONS

Five 5-hour sessions (recommended)

**Seven 3-hour sessions plus
one 4-hour session**

It is also recommended to spread the sessions over a two or three week timeframe to allow attendees to collect data, ask questions about attendee data during the sessions, etc. However, Pyzdek Institute is able to accommodate nearly all scheduling requests.



CONTINUOUS IMPROVEMENT

ONLINE AND
ON-SITE WORKSHOPS

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Pyzdek
INSTITUTE

SPC AND CONTINUOUS IMPROVEMENT WORKSHOP

Instructor-led
Online Training
25 hours

WWW.PYZDEKINSTITUTE.COM



Course overview

The Pyzdek SPC and Continuous Improvement Workshop is a highly focused course designed to rapidly bring the power of Statistical Process Control and process behavior charts to solve difficult problems and maintain process stability. In addition, the course provides guidance on Process Capability Analysis, insight on common SPC myths and advice to avoid common SPC pitfalls.

This highly visual, hands-on Pyzdek Institute course teaches a systematic approach to either set up a new SPC system from scratch or to improve an existing system. The course content is Minitab-based and suitable to the healthcare, plastics, food processing, machining, aerospace, automotive and other industries.

Pre-requisites

The course requires a good understanding of Minitab fundamentals including navigation, menu structure, data integrity, column stacking/unstacking, annotations, data visualizations and similar. For those without Minitab experience, please see the free Introduction to Minitab short course.

To get the most out of the course, attendees must have a PC with Minitab installed (Minitab license and installation instructions will be provided by the Pyzdek Institute upon enrollment), a 2-way headset and a web camera. Two monitors are highly recommended.

Designed for:

Supervisors, Managers, Technicians, Engineers and Healthcare Professionals.

BENEFITS TO ATTENDEES

Specific benefits to attendees include:

- Detect process problems before disaster strikes
- Analyze SPC data and interpret results in a collaborative environment
- Answer questions raised during IATF-16949, AS-9100, customer audits and 3rd party audits
- Learn many useful statistical principles
- Gain new process knowledge
- Avoid common SPC pitfalls
- Improve return on Minitab investment
- Contribute to Operational Excellence, customer relationships and bottom-line profit
- Run better, more cost-effective designed experiments
- Understand the *Great Mathematical Quandary*

COURSE STRUCTURE

Course content % of time spent

Hands-on exercises & interpretation of results 75%

SPC principles 15%

Basic statistical principles 10%

SPECIFIC TOPICS COVERED

- The fundamental nature of data and knowledge
- What is the main goal of SPC?
- Types of variation and the need to separate them
- How we listen to the Voice of the Process
- Rational subgrouping, a key concept
- Where do the limits come from? (a pencil & paper exercise)
- When to use individual data points and an IMR control chart
- When to use sub-grouped data and an XBar-R control chart
- The SPC Information Warehouse
- Control chart interpretation
- Control chart robustness
- Comparing the Voice of the Process to the Voice of the Customer
- Answers to common SPC questions

Investment

Visit our website or give us a call for enrollment instructions and payment information.

Program fee: \$1,450.00 USD