

Advanced Process Capability Course Outline

Lesson 1 | Conducting a Process Capability Study

- How-to conduct a process capability study.

Lesson 2 | Taking Action to Improve the Process

- What to do if the process is not capable.

Lesson 3 | More Capability Indices

- Pp and Ppk
- Differences between Ppk and Cpk.
- Cpm and Ppm

Lesson 4 | Process Capability Study Complications

- Using individuals instead of subgroups
- Compensating for tool wear
- Skewed distributions
- One-sided specs
- Short Run processes

Lesson 5 | Six Sigma Capability

- What is meant by Six Sigma Quality?
- How to use Z-values.

Challenge

- An assessment of the learner's progress in this course.