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.