

Course Outline:

1. **Introduction to Statistical Quality Control:** Applications, organization, cost aspects
2. **Theory of Control Charts:** Control charts for attributes; average run length for chart performance.
3. **Acceptance Sampling:** Multiple and sequential sampling plans; Acceptance sampling by variables.
4. **OC Curve:** Producer's and consumer's risk
5. **TQC and TQM**
6. **Strategies for Implementing Quality Systems:** General implementation strategies; The Malcom Baldrige Award; ISO 9000; The Deming Prize; Quality Function Deployment; Other strategies; ISO-14000.
7. **Reliability Study and Analysis:** Design for reliability