

Statistical Quality Control/ Process Control using MINITAB

This course is designed to provide hands-on training of statistical quality control tools and techniques using a standard software (MINITAB). The course assumes a familiarity with statistical techniques and principles that underlie the statistical procedures. Completion of a training course in statistical applications using a computer is recommended for this course. The course is designed for those who are using data analysis and statistical techniques and want to implement computerized quality control/statistical process control in their company. Upon completion of this course, you should be able to

- understand the use and importance of computers in statistical quality control/process control
- construct the graphs and charts using a computer and be able to analyze and interpret those graphical tools
- understand the methods and philosophy of control charts and why control charts work
- construct and use control charts for variables using computer
- analyze different charts, graphs, control charts and be able to interpret the computer printouts
- understand the concepts of process capability, and perform process capability analysis using computer
- construct and use control charts for attributes using computer
- understand the concepts and uses of sampling plans, and
- use the computer to solve other quality related problems.