

MiC Quality Online Courses

Brief Overview of Courses



"Welcome to MiC Quality.

The MiC Quality courses are for people who need the ability and confidence to apply the methods in practice. The online delivery allows you to learn at your own pace and in your own time. The many exercises and case studies make sure you come to grips with the material. If you want to clarify anything, or discuss your application, we offer unlimited email support. We have been offering online courses in quality and statistics since 1998, some comments from our students are reproduced below. Visit our site to find out more, and check out our **free trial** module."

Glen Netherwood, MiC Quality



6 REASONS TO ENROLL

1 relevant to everyday work activities

Jay Otts

**Quality Engineer/Failure Analysis Engineer,
Raytheon, US**

"The DOE course exceeded all of my expectations. The course provided a lot of **valuable material** that will be very useful in my day to day responsibilities."

2 easy to understand, practical

John Foreman

**Continuous Improvement Quality Engineer,
Wire Maid, US**

"The course was well put together and easy to understand. I have done multiple online courses and have to state that this is as simple as it can get, and the Customer Service is phenomenal."

3 very helpful with ASQ exams

April Baugher

**Process Development Engineer,
Applied Biosystems, US**

"I just passed my **ASQ CQE** exam - your courses were very helpful with the sections dealing with SPC, DOE and statistics."

4 thorough, individual email support

Jennifer McClare
Engineer, Canada

"The email support was very thorough and contained personal responses, not "canned" answers; **individual attention** was at least as good as in a classroom setting, if not better."

5 affordable and comprehensive

Karen Collins

Product Manager, Assay Designs, US

"I was actually surprised at how little this course cost for the **amount of material** that is provided. "

6 Interactive and effective

David Phillips

Engineer, ASQ CQE and CSSBB, US

"I have performed attribute MSA before, but now I know **WHY it works** which will help me 'sell' it to others."

:: Six Sigma Primer

MAIN TOPICS: Deployment, Six Sigma metrics, the DMAIC sequence, Lean methods, Design For Six Sigma (DFSS).
Recommended for everyone implementing Six Sigma or studying for a Black Belt.

:: Statistical Process Control (SPC)

MAIN TOPICS: Variation; process capability Cp, Cpk; process performance Pp, Ppk; X-Bar and R control charts; attribute control charts p, np, c, u.

A must for everyone involved in quality management, ISO9000 and Six Sigma Green & Black Belts.

:: Advanced Statistical Process Control (SPC)

MAIN TOPICS: Given Standard, X-bar & s, Median, Demerits Per Unit (U), Individual and Moving Range (XmR), Moving Average & EWMA, CuSum; Short Run SPC; PRE-control

Recommended for everyone involved in quality management, ISO9000 and Six Sigma Black Belts and Master Black Belts.

:: Primer in Statistics

MAIN TOPICS: Mean, Median, Mode, Range, Variance, Standard Deviation, Normal Distribution, Testing for Normality, Grouped Data, Percentiles, Histograms, Pareto Charts, Box Plots, Stem & Leaf Plots, Multi-Vari Charts, Correlation, Confidence Intervals, Hypothesis Testing, p-Values, Power, Sample Size

A must for everyone involved in quality management, ISO9000 and Six Sigma Green Belts.

:: Advanced Statistics

MAIN TOPICS: Confidence Intervals; t-distribution; Hypothesis Testing; t-tests; Type I and II errors and Power; Chi-Square Distribution; Contingency Tables; Regression Analysis; Correlation; ANOVA; Probability; Binomial, Poisson & Hypergeometric Distributions

Recommended for scientists, engineers; a must for Six Sigma Black Belts and Master Black Belts.

:: Design of Experiments (DOE)

MAIN TOPICS: Full and Fractional Factorial Designs; Screening Designs; Plackett-Burman Designs; Design Resolution; Hypothesis Testing; t and F tests; ANOVA; Analysis of Residuals; Transformations

Recommended for scientists, engineers; a must for Six Sigma Green Belts and Black Belts

:: Advanced Design of Experiments (DOE)

MAIN TOPICS: Taguchi Signal to Noise Ratio and Taguchi designs, Response Surface Designs, "Hill climbing" approach for process optimum, Mixture Designs

Recommended for scientists, engineers, Six Sigma Black Belts and Master Black Belts.

:: Measurement Systems Analysis (MSA)/ Gage R&R

MAIN TOPICS: Control Chart Methods; Repeatability & Reproducibility; Gage R & R Studies; Evaluating the Results; Using Minitab; ANOVA Methods; Capability, Bias, Linearity & Stability; Attribute Studies

Highly recommended for quality managers, Six Sigma Black Belts and Master Black Belts.

VISIT :: www.micquality.com ::

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