



## Online Lectures for the CQPA Class

**How to Use the Alpha TC Website (17:20)**  
**How to sign up for an ASQ exam (7:09)**  
**Test Taking Strategies Module I and critical stacks (58:33)**  
**Test Taking Strategy Module II (1:06:08)**  
**Introduction to Transformation (1:30:48)**  
**Fundamental Theories (Rev B) (1:05:28)**  
**Deming Story (36:48)**  
**Five Why's (5 Why's) (08:11)**  
**Central Limit Theorem (1:03:00)**  
**Variables Data SPC (X bar R) (1:11:22)**  
**Median Chart SPC (18:23)**  
**X Bar S Chart SPC (05:25)**  
**Short Run SPC (32:24)**  
**p and np Chart SPC (49:18)**  
**U and C Chart SPC (25:11)**  
**Measurement Systems Analysis (MSA)(1:20:18)**  
**Systematic Problem Solving (50:56)**  
**Fundamental Quality Tools (32:59)**  
**Quality Function Deployment (1:54:50)**  
**Gantt Chart (08:34)**  
**PERT (14:27)**  
**Critical Path Method (CPM) (13:47)**  
**PDPC (Process Decision Program Chart) (06:00)**  
**Matrix Diagrams (12:54)**  
**Interrelationship Digraph (7:58)**  
**Controlling Processes (1:04:22)**  
**Capability Study (1:09:04)**  
**Z Statistic Capability (24:45)**  
**Probability Statistics (32:21)**  
**Permutations and Combinations (15:40)**  
**Non Normal Distributions (1:06:14)**  
**Attribute Sampling Plan (35:16)**  
**Variable Sampling Plan (13:41)**  
**Z Statistic Inference (Sigma Changes) (1:15:49)**  
**t Statistic Inference (26:55)**  
**Inference Paired t Test (9:15)**  
**Confidence Intervals for the Mean (20:31)**  
**Hypothesis Testing (23:48)**  
**F Statistic Inference (35:02)**  
**ANOVA Inference (47:49)**  
**Chi Squared Inference (45:21)**  
**Reliability Engineering (Vocabulary) (29:02)**  
**Linear Regression Analysis (49:29)**  
**Correlation Analysis (17:07)**  
**Statistical Analysis in Linear Regression (36:45)**  
**Linear Regression Example (28:39)**

**Introduction to Design of Experiments (44:10)**  
**Full Factorial Design of Experiments (DOE)(51:25)**  
**Introduction to Auditing Short (48:28)**  
**Initiating the Audit (40:30)**  
**Conducting Document Review (4:32)**  
**Preparing for On-Site Auditing Activities (17:00)**  
**Standards-of-Auditor-Conduct (17:04)**  
**Conducting On-Site Audit Activities (32:00)**  
**Completing the Audit (2:24)**  
**Preparing Approval and Dist the Audit Report (6:22)**  
**Conducting Audit Follow Up (2:14)**  
**Benchmarking (16:59)**  
**Don't forget to take the CQPA Final Exam**