



香港品質學會

**Workshop
on
Body of Knowledge for Quality Engineer**

**12 September – 7 November 2009
(8 Saturday afternoons)**

**Organized by
Hong Kong Society for Quality**

Web site: www.hksq.org
Email: info@hksq.org

The Body of Knowledge for Quality Engineer provides useful guidance for candidates preparing to take ASQ's (American Society for Quality) Certified Quality Engineer (CQE) Examination

Each participant will receive a copy of the CQE Primer (870+ pages) published by Quality Council of Indiana, USA



Supported by:
TQM Consultants Co Ltd
www.tqm.com.hk



Objectives of the Workshop

This Workshop is designed to review the basic knowledge and relevant techniques listed in the new Body of Knowledge (BOK) of ASQ's (American Society for Quality) Certified Quality Engineers (CQE) Program*.

On completion of this Workshop, participants will be more familiar with the knowledge and tools that are expected to be put to good use by an ASQ Certified Quality Engineer.

Theories will be brief. The emphasis of this Workshop is to highlight key areas of the knowledge domain and to develop effective test taking skills.

Outline of the Workshop

1. Management and Leadership

- Quality Philosophies and Foundations
- Professional Conduct
- The Quality Management System
- Leadership Principles and Techniques
- Customer Satisfaction
- Supplier Relationship

2. The Quality System

- Elements of the Quality System
- Documentation
- Quality Standards
- Quality Audits
- Cost of Quality

3. Product and Process Design

- Design Inputs and Review
- Design Verification
- Reliability and Maintainability

4. Product and Process Control

- Material Control
- Acceptance Sampling
- Measurement and Test

5. Continuous Improvement

- Quality Control Tools
- Quality Management and Planning Tools
- Corrective Action
- Preventive Action

6. Quantitative Methods and Tools (I)

- Concepts of Probability
- Collecting and Summarizing Data
(the graphic capabilities in MINITAB Release 15 Statistical Software for Windows will be demonstrated)
- Probability Distributions
- Statistical Decision-Making

7. Quantitative Methods and Tools (II)

- Design of Experiments (DoE)

8. Quantitative Methods and Tools (III)

- Statistical Process Control (SPC)
- Analyzing Process Capability



* For information about the CQE Program, please visit ASQ's web site or click:

<http://www.asq.org/certification/quality-engineer/index.html>

Who should attend

This course is designed for quality managers and engineers who wish to obtain recognition as ASQ Certified Quality Engineers, or quality professionals who wish to refresh their familiarity with the concepts, methodologies and tools in the Body of Knowledge (BoK) for ASQ's CQE Certification Program.

The Quality Engineer examination is a one-part, 160 multiple-choice questions, five-hour exam. It is offered in English.

Lecturers

Mr. Y.C. Tsim
Dr. Vincent W.S. Yeung
Dr. Albert H.C. Tsang

Industrial & Systems Engineering
Department
The Hong Kong Polytechnic
University

Venue

Room EF619
The Hong Kong Polytechnic
University
Hung Hom, Kowloon

Date & Time

12, 19, 26 September 2009
10, 17, 24, 31 October 2009
7 November 2009

Total 8 Saturday afternoons

All sessions start at 2:30 till 5:30pm

How to apply for Enrollment

1. Complete the registration form and prepare a crossed cheque for the appropriate registration fee payable to "The Hong Kong Society for Quality Ltd." Fees paid are not refundable.
2. Send the registration form and the cheque to the following address:

Mr. Y.C. Tsim
Hong Kong Society for Quality
c/o Industrial & Systems
Engineering Department
The Hong Kong Polytechnic
University
Hung Hom, Kowloon
(Fax: 2362-5267)

3. Registration form should reach us before 7 September 2009

Seats are limited and will be allocated on a first-come-first-served basis.

HKSQ reserves the right in cancellation (in such case, the paid fees will be refunded) and re-arrangement of the course details when necessary.

If you have questions

Call Mr. Y.C. Tsim at 2766-6600 or Dr. Albert H.C. Tsang at 2766-6591 by phone, or send fax to 2362-5267

Registration fee per participant

HK\$3,200 for HKSQ members and clients of TQM Consultants Co., Ltd. or Techmax Information Technology (HK) Co., HK\$3,350 for others. The registration fee covers a copy of CQE Primer published by Quality Council of Indiana, USA

HKSQ Workshop
on
Body of Knowledge for Quality Engineering
12 September – 7 November 2009

(Deadline for registration: 7 September 2009)

Registration Form

Dr./Mr./Mrs./Ms.: _____ (in Chinese) _____

Correspondence Address:

_____ (E-mail) _____ (Telephone) _____ (Fax)

Company Name: _____

Position: _____

Department: _____

Address: _____

_____ (Telephone) _____ (Fax)

Please whatever is appropriate

Self-financed Company Sponsored

HKSQ member Membership No.: _____

TQM Client Techmax Client Others

A cheque payable to “The Hong Kong Society for Quality Ltd.” for the amount of HK\$ _____ is enclosed. (The registration fee is HK\$ 3,200 for HKSQ members and clients of TQM Consultants Co., Ltd. or Techmax Information Technology (HK) Co., HK\$ 3,350 for others.)

Signature: _____ Date: _____

Please send completed registration form with payment to Mr. Y.C. Tsim, Department of Industrial & Systems Engineering, The Hong Kong Polytechnic University, Hung Hom, Kowloon.

For enquiries, please call Mr. Y.C. Tsim at 2766-6600 or Dr. Albert Tsang at 2766-6591, fax 2362-5267, or send email to mfyctsim@polyu.edu.hk or info@hksq.org