Workshop
on
Body of Knowledge (BOK) for Quality Engineer

9 January 2016 – 5 March 2016
(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 Certified Quality Engineer (CQE) Examination

Each participant will receive a copy of CQE Primer (870+ pages) and the CQE Exam CD (with 1,000 questions and solutions), 10th edition, 2015, published by Quality Council of Indiana, USA

Co-organizer:
Supporting body:

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 Engineer (CQE) Program*. CQE examinations administered from 2016 onwards will be based on the new BOK.

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
   - Facilitation Principles
   - 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
   - Continuous Improvement Methodologies, Lean Tools*
   - Risk Management*
   *New element in the updated BOK

6. Quantitative Methods and Tools (I)
   - Concepts of Probability
   - Collecting and Summarizing Data (the graphic capabilities in MINITAB Release 17 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://asq.org/cert/control/quality-engineer/index
Who should attend
This course is designed for quality managers and engineers who wish to obtain recognition as ASQ Certified Quality Engineer, 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
9, 16, 23, 30 January 2016
13, 20, 27 February 2016
5 March 2016
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 fees 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 4 January 2016

   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$4,300 for HKSQ/ASQ members and clients of TQM Consultants Co., Ltd., HK$4,600 for others. The registration fee covers a copy of CQE Primer, 10th edition, and the CQE Exam CD, both published by Quality Council of Indiana, USA in 2015.
HKSQ Workshop  
on  
Body of Knowledge for Quality Engineer  
9 January – 5 March 2016  
(Deadline for registration: 4 January 2016)

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   ☐ ASQ member  ☐ Membership No.:___________
☐ TQM 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$ 4,300 for HKSQ / ASQ members, and 
clients of TQM Consultants Co., Ltd., HK$ 4,600 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 yc.tsim@polyu.edu.hk or info@hksq.org