



香港品質學會

**Workshop  
on  
Body of Knowledge for Six Sigma Black Belt**

**28 May – 30 July 2011  
(10 Saturday afternoons)**

**Organized by**

**Hong Kong Society for Quality**

Web site: [www.hksq.org](http://www.hksq.org)

Email: [info@hksq.org](mailto:info@hksq.org)

This Workshop provides useful guidance for candidates who prepare to take ASQ's (American Society for Quality) Six Sigma Black Belt Certification (SSBB) Examination

Each participant will receive a copy of CSSBB Primer (800+ pages) published by Quality Council of Indiana, USA



Supported by:  
**TQM Consultants Co Ltd**  
[www.tqm.com.hk](http://www.tqm.com.hk)



## Objectives of the Workshop

This Workshop is designed to review the basic knowledge and relevant techniques listed in the Body of Knowledge (BOK) of ASQ's (American Society for Quality) Six Sigma Black Belt Certification (SSBB) 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 a Six Sigma Black Belt Certified by ASQ.

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. **Business Process Management**
  - Enterprise-wide View
  - Integration of Lean and Six Sigma
  - Leadership
  - Benchmarking
  - Financial Measures
2. **Team Management**
  - Team Formation
  - Team Facilitation
  - Team Dynamics
  - Management and Planning Tools
3. **Six Sigma Improvement Methodology & Tools - Define**
  - Voice of the Customer
  - Project Charter
  - Project Tracking
4. **Six Sigma Improvement Methodology & Tools - Measure**
  - Process Characteristics
  - Data Collection
  - Basic Probability & Statistics
5. **Six Sigma Improvement Methodology & Tools - Measure**
  - Measurement Systems
  - Process Capability
6. **Six Sigma Improvement Methodology & Tools -Analyze**
  - Relationships between Variables
7. **Six Sigma Improvement Methodology & Tools -Analyze**
  - Hypothesis Testing
  - Failure Mode and Effects Analysis
8. **Six Sigma Improvement Methodology & Tools -Improve**
  - Design of Experiments (DoE)  
*(the capabilities in MINITAB Release 16 Statistical Software for Windows will be demonstrated)*
9. **Six Sigma Improvement Methodology & Tools -Control**
  - Statistical Process Control
  - Total Productive Maintenance
10. **Design for Six Sigma**
  - Robust Design and Process
  - Design for X
  - Special Design Tools



\* For information about ASQ's SSBB Certification Program, please visit ASQ's web site at:

<http://www.asq.org/certification/six-sigma/index.html>

## Who should attend

**This workshop is designed for practicing Six Sigma Black Belts who wish to obtain recognition as ASQ Certified Six Sigma Black Belts, or quality professionals who wish to refresh their familiarity with the concepts, methodologies and tools in the Body of Knowledge for ASQ's SSBB Certification Program.**

## Instructors

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

Department of Industrial & Systems  
Engineering  
The Hong Kong Polytechnic  
University

## Venue

Room EF619  
The Hong Kong Polytechnic  
University  
Hung Hom, Kowloon

## Date & Time

28 May 2011  
4, 11, 18, 25 June 2011  
2, 9, 16, 23, 30 July 2011

A total of 10 Saturday afternoons

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

## How to apply for enrollment

1. Complete the registration form and prepare a crossed cheque for the appropriate course 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  
Ltd.  
c/o Department of Industrial &  
Systems Engineering  
The Hong Kong Polytechnic  
University  
Hung Hom, Kowloon  
(Fax: 2362-5267)

3. Registration form should reach us before 21 May 2011

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 Tsang at 2766-6591 by phone, or send fax to 2362-5267

### ***Course fee per participant***

HK\$3,900 for HKSQ members, clients of TQM Consultants Co., Ltd. or Techmax Information Technology (HK) Co., or past participants of HKPC's Certified Six Sigma Black Belt Workshop; HK\$4,100 for others. The course fee covers a copy of the CSSBB Primer published by Quality Council of Indiana, USA.

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**on**  
**Body of Knowledge for Six Sigma Black Belt**  
**28 May – 30 July 2011**  
(Deadline for registration: 21 May 2011)

**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.: \_\_\_\_\_

HKPC's Certified Six Sigma Black Belt Workshop (Certificate of completion attached)

TQM Client       Techmax Client       Others

A cheque made payable to "The Hong Kong Society for Quality Ltd." for the amount of HK\$ \_\_\_\_\_ is enclosed. (The course fee is HK\$ 3,900 for members and clients of TQM Consultants Co., Ltd. or Techmax Information Technology (HK) Co., or past participants of HKPC's Certified Six Sigma Black Belt Workshop, HK\$ 4,100 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 [mfycsim@inet.polyu.edu.hk](mailto:mfycsim@inet.polyu.edu.hk) or [info@hksq.org](mailto:info@hksq.org)