



The following slides outline the course described as :

Six Sigma Black Belt Training (20 days)

For further information please contact us:
Email: enquiries@burgehugheswalsh.co.uk
Tel: 00 44 (0) 1788 550015

Agenda for Six Sigma Black Belt Module 1

Day 1	Day 2	Day 3	Day 4	Day 5
Introduction	Define Phase: Form Team, Develop Team Charter	Variation and Normal Theory	Sampling	Measure Phase: Baseline Process capability
Initial project Presentations	Define Phase: Map 'as is' Process		Measure Phase: Gauge R&R	
Lunch	Lunch	Lunch	Lunch	What Next, Review
Introduction to Six Sigma	Define Phase: Customer requirements	Measure Phase: Data Collection	Measure Phase: Patterns in data graphical analysis	Lunch
The DMAICT Process	Measure Phase: Stakeholder Analysis			
Six Sigma Roles	Review of day 2	Review of day 3	Review of day 4	
Identify projects				
Review of day 1				

Agenda for Six Sigma Black Belt Module 2

Day 1	Day 2	Day 3	Day 4	Day 5
Welcome and Intro to Mod 2	Process Analysis	Introduction to Data Analysis	Hypothesis Tests	Regression Analysis Multiple Linear Regression
Project Presentations		Hypothesis Tests		Components Search
Introduction To Analyse	Lunch	Lunch	Lunch	What Next, Review and Test
Lunch				Process Analysis
Focused Problem Statement	Review of day 2	Hypothesis Tests	Review of day 4	Lunch
Identifying and Organising Causes				
Verifying Causes				
Process Analysis				
Review of day 1				

Agenda for Six Sigma Black Belt Module 3

Day 1	Day 2	Day 3	Day 4	Day 5
Introduction	Piloting the solution	Fractional Factorial DoE	Response Surface Methods	Implementing the solution
Project Presentations	Introduction to Design of Experiments	Screening DoE	The DoE approach	Improve Review
Improve Overview		Lunch	Lunch	What Next, Review and Test
Creating Solutions	Full Factorial DoE	Noise in DoE	Design of Experiments Wash up Exercise	Lunch
Lunch		Centre points In DoE	Proving the Difference	
Creating Solutions	Review of day 2	Review of day 3	Review of day 4	
Selecting Solutions				
Promoting the solution				
Review of day 1				

Agenda for Six Sigma Black Belt Module 4

Day 1	Day 2	Day 3	Day 4	Day 5
Introduction	Inspection & Testing	Xbar R charts	Sustaining the Improvement	Introduction to DFSS
Project Presentations	Control Charts	Discrete Charts	Proving the Process	Review & Test
Lunch	Lunch	Lunch	Lunch	Lunch
Control Overview	Control Charts	Discrete Charts	Handover	
Monitoring the Process	Individuals Charts	Pre-Control	Sharing Knowledge Gained	
Review of day 1	Review of day 2	Review of day 3	Review of day 4	