



## Mastering Business Analysis

### Module 1—Defining, Making and Measuring Quality

Quality Basics

Verification and Validation Definitions

How Quality Fits Into Requirements and Analysis, Part 1

How Quality Fits Into Requirements and Analysis, Part 2

Use Cases and Test Cases, Part 1

Use Cases and Test Cases, Part 2

Use Cases and Test Cases, Activity Debrief

Verification and Validation Fundamentals

Debrief Activities From Verification and Validation Fundamentals

Quality Risk Analysis, Part 1

Quality Risk Analysis, Part 2

Debrief Activity From Quality Risk Analysis

### Module 2—Planning for Testing, Verification and Validation

Lifecycles, Part 1

Lifecycles, Part 2

Lifecycles, Part 3

Develop Project Plans and Schedules for Requirements

Debrief Activity From Develop Project Plans and Schedules

Estimation, Part 1

Estimation, Part 2

Estimation, Part 3

Debrief Activity From Estimation

Scheduling Mistakes to Avoid

Integrating (or not) the User Interface (UI) Design Into Requirements

Dealing With Requirements Changes Throughout the Project

Timeboxing as a Technique to Limit Scope and Increase Quality

### Module 3—Testing Conformance to Requirements

Basics of Black Box (Requirements-Based) Tests

Test Oracles

Equivalence Partitioning

Boundary Value Analysis

Decision Tables, Part 1

Decision Tables, Part 2

Decision Tables, Part 3

## Module 4—Managing and Interacting With Verification and Validation and Test Teams

- Test Planning, Part 1
- Debrief Activity From Test Planning, Part 1
- Test Planning, Part 2
- Debrief Activity From Test Planning, Part 2
- Test Planning, Part 3
- Debrief Activity From Test Planning, Part 3
- Test Results Reporting, Part 1
- Test Results Reporting, Part 2
- Test Results Reporting, Part 3
- Handling Changes

## Module 5—Six Sigma and Lean for Business Analysts

- Introduction to Six Sigma and Lean
- What is Lean and Six Sigma?
- Lean Tools and the War on Waste
- Key Lean Foundation Concepts
- The Principles of 5S
- Error Proofing
- Kaizen
- Changeover Reduction
- Value Stream Mapping
- The DMAIC Model and Tollgate Reviews
- Six Sigma Tools and the War on Defects
- QFD, FMEA and SIPOC
- Flow Chart, Pareto Chart, and Fishbone Diagram
- Concept of Variation and Histograms
- New Quality Management Tools, Part 1
- New Quality Management Tools, Part 2
- Six Sigma and Lean Wrap-Up

## Appendix—Activities

- Quality Basics
- Verification and Validation Definitions
- How Quality Fits Into Requirements and Analysis, Part 1
- How Quality Fits Into Requirements and Analysis, Part 2
- Use Cases and Test Cases, Part 1
- Use Cases and Test Cases, Part 2
- Verification and Validation Fundamentals
- Quality Risk Analysis, Part 2
- Lifecycles, Part 2
- Develop Project Plans and Schedules for Requirements
- Estimation, Part 1
- Estimation, Part 2
- Estimation, Part 3
- Scheduling Mistakes to Avoid

- Integrating (or not) the User Interface (UI) Design Into Requirements
- Test Oracles
- Introduction
  - Equivalence Partitioning
  - Decision Tables, Part 2
  - Test Planning, Part 1
  - Test Planning, Part 2
  - Test Planning, Part 3
  - Test Results Reporting, Part 2
- Appendix—Activity Debriefs
  - How Quality Fits Into Requirements and Analysis, Part 1
  - Verification and Validation Fundamentals
  - Quality Risk Analysis, Part 2
  - Estimation, Part 1
  - Estimation, Part 2
  - Estimation, Part 3
  - Test Oracles
    - Equivalence Partitioning
    - Decision Tables, Part 2
    - Test Planning, Part 1
    - Test Planning, Part 3