

## Introduction to Modelling for Business Analysis - 4 Days

### Course 447 Overview

- You Will Learn How To**
- Leverage critical modelling techniques to become a successful business analyst
  - Define the scope, process, tools and deliverables for business modelling
  - Analyse business functions with Use Cases
  - Model core workflows and crucial processes with Business Process Modeling Notation (BPMN)
  - Apply Unified Modeling Language (UML) diagrams to effectively analyse the enterprise structure
  - Build business models that accurately reflect the scope and complexities of the entire organisation
- Course Benefits** In a modern, fast-paced business environment, analysts must possess skills to effectively communicate business goals, rules, structure and workflow to all relevant stakeholders. A working knowledge of modelling is the key to ensuring that this business challenge is met. This course is structured around a series of activities in which you gain practical modelling experience. In the context of a real-world case study, you apply best practices in modelling to help you fulfill your crucial role as a business analyst.
- Who Should Attend** Anyone who needs a practical foundation in business-modelling techniques as well as business analysts who need to gather requirements and create comprehensive models.
- RealityPlus™** Through an extended case study, you gain confidence applying powerful modelling techniques and skills in the business analyst toolkit. Team- and computer-based activities include:
- Building models which include text and diagram elements
  - Highlighting inconsistencies between business rules and a decision table
  - Applying a CASE tool to refine a process diagram
  - Identifying gateways and swimlanes
  - Creating and refining a use case diagram
  - Elaborating a business process model
  - Revising a business object model
  - Defining business glossary entries
  - Finding inconsistencies and omissions using matrices
  - Specifying a business interface
  - Communicating the final results to the key stakeholders

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## Course 447 Outline

### Introduction

- Why do you need business models?
- Modelling techniques within the IIBA® *Business Analysis Body of Knowledge*® (BABOK®)

### Defining the Scope of Modelling

#### What is a business model?

- Separating textual and diagrammatic elements
- Contrasting scope with level of detail

### Crafting a process to develop a business model

- Applying the steps: elicit, analyse, document, validate
- Iterating the steps
- OMG modelling standards
- Facilitating requirements workshops
- Correlating models to project type and deliverables

### Capturing the multidimensional aspects of an organisation

- Applying the five Ws approach: who, what, where, when, why and how
- Selecting the right level of detail
- Employing CASE tools and simulation

### Mapping the Business Landscape

#### Analysing the enterprise

- Exploring the enterprise architecture
- Decomposing the architecture into its components: business, technology and other perspectives

### Applying business rules

- Documenting the constraints: operative and structural
- Representing operative rules with decision tables

### Scoping Business Functions

#### Initiating the process with functional decomposition

- Determining the functional hierarchies
- Distinguishing between functions and processes

### Drawing UML use case diagrams

- Defining scope and boundary
- Identifying the actors and stakeholders
- Refining the use cases

### Documenting business use cases

- Selecting the level of detail: brief, casual or fully dressed

- Specifying preconditions and postconditions

### Modelling Business Processes

#### Applying process modelling techniques

- Workflows
- Events
- Activities
- Decisions
- Sequencing
- Messaging
- Participants

### Leveraging Business Process Modelling

#### Notation (BPMN)

- Benefits from a standardised approach
- Sequencing and classifying activities
- Decomposing activities into subprocesses and tasks
- Categorising events

### Refining business process diagrams

- Choosing the right gateway: decisions, forks and joins
- Mapping the processes to swimlanes and pools
- Supplementing the model with artifacts: data objects, groups and annotations

### Analysing the Enterprise Structure

#### Establishing the business domain

- Documenting the workers and organisation units
- Modelling systems, documents, information and tools

### Structuring the enterprise with UML class diagrams

- Determining object attributes
- Generalising and specialising relationships
- Constructing associations between the classes
- Packaging for domains and functional units

### Finalising the Business Model

#### Achieving complete coverage with matrices

- Prioritising features
- Cross-referencing requirements
- Applying the Responsibility Assignment Matrix

### Contextualising the model with perspectives

- Documenting business interfaces
- Mapping from means into ends
- Capturing time parameters

- Specifying Supplementary and Quality of Service requirements

### Communicating the Model to Key Stakeholders

- Choosing the right models for your audience
- Transforming business models into user requirements
- Delivering and presenting your models