

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 and intent of business modelling
 - Build business models that accurately reflect the complexities of the entire organisation
 - Model core business functions and crucial processes with Business Process Modelling Notation (BPMN)
 - Apply UML to effectively analyse the enterprise structure
 - Communicate the completed business model to key stakeholders

Course Benefits In a modern, fast-paced business environment, analysts must possess skills to effectively communicate business needs, 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

Charting the multidimensional aspects of a business model

- Applying the five Ws approach: who, what, where, when, why and how
- Selecting the right modelling approach
- 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 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 post-conditions

Modelling Business Processes

Applying process modelling techniques

- Workflows
- Events
- Activities
- Decisions
- Sequencing
- Messaging
- Roles

Leveraging Business Process Modeling

Notation (BPMN)

- Benefits from a standardised approach
- Sequencing and classifying activities
- Decomposing activities into sub-processes 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
- Correlating behaviour with roles

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
- Converting business models into user requirements
- Delivering and presenting your models