

Modeling Techniques for the Business Analyst

Length of Course: 4 Days

Overview

The business analyst has become a pivotal role for information technology projects, responsible for bridging the gap between IT and the key business participants of any project. The business needs must be communicated in a way that supports business user validation as well as providing the foundation for the technical staff to design and build a successful solution. This class focuses on the many types of modeling techniques that are used by the business analyst in system development and provide hands-on experience for attendees to learn how to develop and interpret the models. Techniques taught are IIBA compliant.

Topics

- Overview of BA role
- Introduction to Modeling
- Overview of the most common system development methodologies (SDLCs)
- How modeling supports the SDLCs
- Business Process Improvement, Re-engineering and modeling
- Context Models
- Process Models
- Usage Models
- Data Models
- Design Models
- Tips for Success

Audience

This course is designed for:

- New business analysts, systems analysts and business architects
- Experienced business analysts looking to update their modeling skills or understanding the modeling skills required for the CBAP certification
- Project managers who incorporate business analysis roles in their projects

Course Outline

I. Overview of BA role

II. Introduction to Modeling

III. Overview of the most common system development methodologies (SDLCs)

IV. How modeling supports the SDLCs

V. Business Process Improvement, Re-engineering and modeling

VI. Context Models



VII. Process Models

- A. Business Rules
- B. Decision Trees / Tables
- C. Event and Trigger Identification
- D. SIPOC Business Models
- E. Functional Decomposition Diagram
- F. Workflow Models (As-Is, To-Be)
- G. Flowcharts and Activity Diagrams
- H. Sequence Diagrams
- I. State Models

VIII. Usage Models

- A. User Profiles
- B. Use Case Modeling
- C. User Stories
- D. Storyboards
- E. Prototyping
- F. Screen Navigation and User Interface Design

IX. Data Models

- A. Data Dictionaries
- B. Data Flow Diagrams
- C. Entity Relationship Diagrams
- D. Class Models
- E. Data Transformation and Mapping
- F. Metadata

X. Design Models

- A. Techniques in common with business models
- B. Architecture or Network Diagram
- C. System Structure Chart
- D. System Flow Diagram
- E. Security Model (CRUD)

XI. Tips for Success

