



MODELING TECHNIQUES FOR THE BUSINESS ANALYST
(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