

Document Generated: 10/28/2025

Learning Style: Virtual Classroom

Technology:

Difficulty: Beginner

Course Duration: 2 Days

Business Analysis Modeling Essentials



About Course:

This course presents several common models to help you elicit and analyze requirements. You will practice analyzing, modeling, and reviewing the requirements as you work through an engaging case study. You will also learn and practice industry-standard modeling notation for each model. The models in this

class follow the concurrent modeling framework, emphasizing process, data, interaction, and interface requirements. This simple framework will help you develop a quicker and more complete set of requirements.

This course has been approved for 14 PDUs | 14 CDUs

Course Objectives:

- Identify common modeling techniques used by business analysts.
- Create a scope diagram to facilitate in-scope and out-of-scope discussions.
- Model business processes, creating “as-is” and “to-be” process maps.
- Develop a basic Entity-Relationship Diagram to model data requirements.
- Provide a narrative and produce a use case diagram to map out the various paths an actor may take to use the software
- Implement a Paper Prototype to document interface requirements.

Audience:

- This course is for anyone who needs to know how to create the basic models most often used in software development and process improvement efforts. Participants in the course will learn the notation to create a scope model, process model, data model, use case diagram and narrative, and an interface prototype.

Prerequisites:

- None

Course Outline:

Requirements Modeling Overview

- Modeling defined
- Benefits of modeling
- Concurrent Solution Modeling Framework

- Introduction to common models
- Business, Project and Requirements Context
- Requirement classifications reviewed

Prepare for a Process Modeling Session

- Process modeling overview
- Prepare for a modeling session
- Techniques to help modeling sessions stay focused
- Create a scope diagram

Creating a Process Map

- Primary and alternative paths
- Basic process mapping notation
- Swimlanes and process map
- Create a process map

Data Modeling

- Data model overview
- Eight-step modeling process
- Data model notations
- Define data terms & create a data model

Use Cases

- Use case model overview
- Use case notation
- Create a use case diagram
- Document a use case narrative

User Interface Modeling (Prototyping)

- Prototype overview
- UI planning
- Create paper prototype