

## Introduction to Business Analysis using UML

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### Course Summary

#### Description

This course is informed by the Business Analysis Body of Knowledge (BABOK), offering a means to incorporate Unified Modeling Language (UML) modeling techniques into the business analysis process. UML modeling elements and diagrams are presented for each Task within the BABOK where UML modeling is considered a best practice for performing the Techniques and recording the Outputs. The models include extensions to the standard UML provided by Sparx Systems Enterprise Architect (EA).

#### Objectives

At the end of this course, students will be able to:

- Describe the use of each of the UML diagrams and identify which of them should be used in their problem or project context.
- Use EA to model system behavior using an activity diagram.
- Use EA to model system behavior using a sequence diagram.
- Use EA to model requirements using a requirements diagram.
- Using EA to model requirements using a use case diagram.
- Use EA to capture use case descriptions as structured scenarios.
- Use EA to model structure using class diagrams.
- Use EA to relate behavior to structure in a model.
- Use EA to prepare model views and reports.

#### Topics

- Introduction to UML and EA Fundamentals
- The UML Language Architecture
- Requirements Analysis
- UML structural diagrams and elements
- UML behavioral elements
- UML behaviors with sequence diagrams
- UML behaviors with state diagrams
- Enterprise Analysis
- Reporting model contents using HTML, PDF, and RTF report generation
- Exploring EA models – model search and filtering

#### Audience

This course is intended for business analysts in all domains and is not dependent upon a specific process or methodology.

#### Prerequisites

There are no prerequisites for this course.

#### Duration

Four days

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### **Course Outline**

- I. Introduction to UML and EA Fundamentals*
- II. The UML Language Architecture*
- III. Requirements Analysis*
- IV. UML structural diagrams and elements*
- V. UML behavioral elements*
- VI. UML behaviors with sequence diagrams*
- VII. UML behaviors with state diagrams*
- VIII. Enterprise Analysis*
- IX. Reporting model contents using HTML, PDF, and RTF report generation*
- X. Exploring EA models – model search and filtering*