

## Course: Introduction to the Unified Modeling Language

**ID:** 1384- UML01

**CDUs / Contact Hrs / PDUs:** 14

**Course Length:** 2 Days

**Course Description:** This two-day course provides participants with real world tools necessary to make effective use of the Unified Modeling Language. This course has been specifically designed for both business analysts and technical information technology professionals to provide the tools needed for success.

### Course Objectives:

- Learn the generally accepted processes used to implement the UML
- Learn specific tools, templates and techniques to make UML implementation successful

**Target Audience:** This course is designed for experienced professionals interested in learning the technical aspects of the Unified Modeling Language and its practical application

**Prerequisites:** None

### Provided Material:

- Course Binder
- The Reengineering Handbook: A Step-By-Step Guide to Business Transformation (Book)
- Business Process Improvement Workbook: Documentation, Analysis, Design, and Management of Business Process Improvement (Book)

### Course Outline:

- **Lesson 1:** Use Cases
  - Use Cases defined?
  - Defining a Use Case and a Use Case Diagram?
  - Use Case Symbols
  - Drawing the Diagram
  - Proper Use Case Implementation?
- **Lesson 2:** State and Sequence Diagrams
  - State Diagrams Defined
  - State Diagram Symbols
  - Proper Design of a State Diagrams
  - Sequence Diagrams Defined?
  - Comparing Sequence and State Diagrams
  - Instance vs Generic Diagrams
  - Object Creation & Recursion
- **Lessons 3:** State Diagram Symbols Collaboration and Activity Diagrams
  - What is a Collaboration Diagram
  - Collaboration Diagram vs. State and Sequence Diagrams
  - Activity Diagrams Defined
  - Swimlanes Defined?
  - Relating Activity Diagrams and State Diagrams
  - Relating Activity Diagrams to a Use Case
- **Lesson 4:** Class Diagrams
  - Packages and Objects
  - Properties and Methods
  - Responsibilities, Constraints, and Dependencies
  - How to extract objects from the customer.
  - Representing Associations between Objects
  - The Keys to Successful Diagramming
- **Lesson 5:** Component & Deployment Diagrams
  - Components Diagrams Defined
  - Deployment Diagrams Defined
- **Lesson 6:** Fitting UML into a Development Process
  - Your Process Defined
  - What Diagram Do I Need?



Looking Glass Development, LLC

P.O. Box 630516 Littleton, Colorado 80163-0516 303 663.5402

[www.lookingglassdev.com](http://www.lookingglassdev.com)

[information@lookingglassdev.com](mailto:information@lookingglassdev.com)