



## The Rational Unified Process

**Duration:** 2 Days

### Course Description

This course provides a thorough introduction to the Rational Unified Process (RUP®), a software development process that is rapidly becoming the standard for enterprise-scale application development projects. Through classroom instruction and discussion, the course addresses the phases of RUP. Within the phases, the iterations in managing changing requirements, resources and risks will be carefully explored. Best practices are illustrated through the study of use-case driven development and architectural modeling, combined with the examination of each key RUP engineering and support discipline from requirements and implementation, through to project and change management.

### Audience

This course is intended for IT managers, software architects, technical leads, Process engineers adopting or evaluating RUP as a strategic basis for enterprise-level software development.

### Prerequisites

Previous experience in a software development project in a managerial or technical capacity is beneficial.

### Course Outline

#### Introduction to the Rational Unified Process (RUP)

- Best Practices in Software Development
- Phases and Iteration
- Disciplines and Workflows
- Roles, Activities and Artifacts

#### Use Case-Driven Process

- The role of use cases
- Essential versus Real Use Case Models
- Use Case Modeling and Specification
- Use Case driven development,

#### Phases and Milestones

- Inception
- Elaboration
- Construction
- Transition

#### Core Disciplines

- Business Modeling
- Requirements
- Analysis and Design
- Implementation
- Deployment

#### Project Management Discipline

- Purpose and Objectives



## Sterlink Training

### Object-Oriented Technology Curriculum

- from design to test
- Architecture-Centric Process
  - What is architecture?
  - Models and Views : The "4+1" model
  - Component-Driven Development
  - Architectural Style, Mechanisms and Patterns
- Visual Modeling in UML
  - Static and Dynamic Representation
  - Class Diagrams
  - Sequence and Collaboration Diagrams
  - Activity Diagrams
  - State Diagrams
  - Component and Deployment Diagrams
- Workflow
  - Roles and Artifacts
  - Measurement
  - Risk Management
- Change Management Discipline
  - Purpose and Objectives
  - Workflow
  - Roles and Artifacts
  - Configuration management
  - Change Request Management
- Environment Discipline
  - Purpose and Objectives
  - Workflow
  - Roles and Artifacts
  - Environmental setup and support
  - Tailoring and configuring RUP

#### **For more information about this and other offerings**

Please contact Sterlink Data Systems at (416) 859-6470 or email us at [training@sterlink.ca](mailto:training@sterlink.ca)

Sterlink Data Systems  
985 Audley Road South  
Ajax, Ontario L1Z 1N6  
[www.sterlink.ca](http://www.sterlink.ca)

