



Noble Software Consulting *IT Training*

BUSINESS ANALYSIS/UML COURSE OVERVIEW

This course teaches professionals beginning a career as a Business Analyst to start the process from requirements gathering to a full Software Development Life Cycle (SDLC).

BUSINESS ANALYSIS/UML – 15 HRS

Introduction to Business Analysis

- ❖ Define the role
- ❖ Who Should Attend
- ❖ What You'll Learn

Software Development Life Cycle (SDLC)

- ❖ Methodologies of SDLC
- ❖ Water Fall Method
- ❖ Spiral Method
- ❖ Extreme Programming
- ❖ RAD
- ❖ Rational Unified Process (RUP)
- ❖ Best Practices

Logical Modeling

- ❖ Business Modeling
- ❖ Data Modeling
- ❖ Object Oriented Modeling
- ❖ Benefits of OO modeling using UML (Unified Modeling Language)

Introduction to Object Orientation

- ❖ Classes, objects and actors
- ❖ Encapsulation
- ❖ Attributes and operations
- ❖ Aggregation and composition
- ❖ Inheritance

- ❖ Association
- ❖ Polymorphism
- ❖ Using cases and scenarios

How to Gather and Document User Requirements

- ❖ Capturing Requirements in a Business Requirements Document
- ❖ Project Vision and Scope
- ❖ Identifying Users and Creating a Work Plan
- ❖ Types of Requirements x
- ❖ Documenting User Requirements
- ❖ Examples and case study

Use Case Modeling for Business Analysis

Application of UML in identifying and documenting business processes

- ❖ Use Case Overview
- ❖ Use Case Diagrams
- ❖ Discovering Use Cases
- ❖ Completing the Business Analysis
- ❖ Beyond the Analysis Phase

Case Study

Introduction to Rational Suite – Case study

- ❖ Rational Unified Process Modeling
- ❖ Rational Rose
- ❖ Rational Requisite Pro
- ❖ Rational Sode