

Uncover the Strengths of Object Models

2 Days

This course examines object modeling in depth, addressing why, how, when, and by whom object models are used during the project life cycle. After exploring fundamental concepts of object-oriented analysis (including classes, objects, abstraction, encapsulation, modularity, and information hiding), practical tasks and techniques are presented to equip the BA with skills and knowledge required to elicit and document requirements from stakeholders via object model properties including associations, multiplicities, generalizations, aggregations, business rules, operations, and attributes. The relationships between object diagrams and behavioral diagrams are explored, as the student reconciles requirements stemming from structural and behavioral models and assesses the consistency and completeness of the models in preparation for the transition to design.

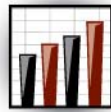
WHO SHOULD ATTEND

Individuals who perform business analysis in organizations are known by various titles including business analyst, systems analyst, business/systems analyst, functional analyst, project manager, and tester. Individuals who will benefit from this course include:

- Entry-level business analysts and their managers
- Self-taught business analysts requiring a course that fills in the gaps and puts all the pieces together
- Systems analysts and programmers interested in expanding their roles into the business area
- Project managers

COURSE OBJECTIVES

- Describe why, how, when, and by whom object models are used during the project lifecycle.
- Describe basic concepts of object-oriented analysis, including classes, objects, abstraction, encapsulation, modularity, and information hiding.
- Capture the logical structure of a system or function via class diagrams.
- Elicit and document requirements via model properties including associations, multiplicity, generalizations, and aggregations.
- Elicit and document requirements via model properties including business rules, operations, and attributes.
- Describe the relationships between object/class (structural) diagrams and behavioral diagrams.
- Build a class diagram from a use case.



- Reconcile requirements stemming from structural and behavioral models.
- Capture the logical structure of a system or function using data models.
- Assess the consistency and completeness of analysis models in preparation for the transition to design.

LESSON TOPICS

- Fundamentals of object-oriented analysis
- Object models throughout the life cycle
- Business classes
- Class diagrams
- Relationships to requirements elicitation
- Associations and links
- Multiplicity
- Aggregation
- Generalization
- Business rules
- Operations
- Attributes
- Relationships to use cases and behavior diagrams
- Integrating and validating models
- Data modeling fundamentals
- Relationships to the entity relationship model
- Relationships to design