

Modeling Essential Business Data

Course Summary

Description

This course presents the terminology and basic concepts of data modeling and illustrates them using Entity-Relationship Diagrams (ERD), Data Structure Diagrams (DSD) and Data Model Diagrams (DMD). The entire data modeling process is presented, from conceptual modeling, to normalization, to the logical data model. The course finishes by presenting options for implementing the logical data model as a relational database model. Hands-on workshops in a JAD format are used to reinforce concepts.

Objectives

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

- Define the terminology associated with data modeling.
- Identify and create the diagrams to create a conceptual and logical data model.
- List the steps involved in creating a conceptual and logical data model.
- Identify how normalization is used to turn a conceptual data model into a logical data model.
- Describe and perform the first three normal forms.
- Identify the options available when implementing a logical model into a relational database.

Audience

This course is designed for business and technical experts that want to learn the essential steps of data modeling.

Prerequisites

Students should have taken the Introduction to Structured Analysis or have equivalent experience with Yourdon structured analysis and data flow diagrams.

Duration

Four days