



Business School
UNIVERSITY OF COLORADO DENVER

Information Systems Program

Module 1

Data Warehouse Concepts and Architectures

Lesson 1: Course objectives



Lesson Objectives

- Gain context for this course in the specialization
- Understand targeted learners for this course
- Understand broad course objectives and prerequisite background



Data Warehousing for Business Intelligence

Course 1

Database management
essentials



Course 2

Data warehouse concepts,
design and data integration



Course 3

Relational database support for
data warehouses



Course 4

Business intelligence concepts,
tools, and applications



Course 5

Design and build a data
warehouse for business
intelligence implementation

Targeted Learners

University students



IT professionals



Project managers



Business analysts



Broad Course Objectives

- Establish an initial foundation of data warehouse background for business intelligence careers
- Gain conceptual background about business architectures, management practices, and data warehouse development methodologies
- Create data warehouse designs, data integration workflows, and pivot table operations
- Reflect on business architecture selection, data warehouse design methodologies, and data integration goals and constraints



Prerequisite Background

- Introductory database course
- Course 1 in the specialization
- Background about relational databases, query formulation, data modeling, and normalization



Summary

- First course about data warehouses in the specialization
- Unified coverage of data warehouse concepts, design, and data integration
- Skill development for data warehouse design, pivot table usage, and data integration workflows
- Career opportunities for working professionals as well as business and computer science students

