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

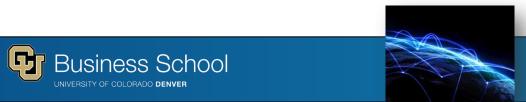Business analysts

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

Information Systems Program