



Business School
UNIVERSITY OF COLORADO DENVER

Information Systems Program

Database Management Essentials

Module 1: Course Introduction
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 design and
data integration



Course 3

Relational database support for
data warehouses



Course 4

Business intelligence concepts,
tools, and applications



Course 5

Capstone course with a
comprehensive case study



Targeted Learners

University students



IT professionals



Project management



Business analysts



Broad Course Objectives

- Provide a foundation of database management background for a business intelligence career
- Explain characteristics of databases and features of database management systems
- Create tables and formulate business queries using SQL
- Create entity relationship diagrams (ERDs) to represent business requirements
- Convert an ERD to a table design
- Analyze table designs for unwanted redundancy
- Reflect on guidelines and goals for query formulation, redundancy elimination, and data modeling



Prerequisite Background

- Not an introductory computing course
- Basic computing concepts and personal computing applications
- No computer programming but detailed concepts and skills



Summary

- Basic course on database management concepts and skills
- Develop knowledge and skills for query formulation and database development
- Prerequisite background for other courses in the data architectures track
- Career opportunities for IT professionals as well as business and computer science students

