



Business School  
UNIVERSITY OF COLORADO DENVER

Information Systems Program

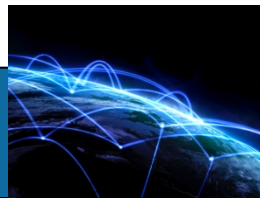
# Database Management Essentials

**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

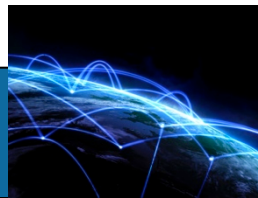


Business analysts



# 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**

