

Database Management Essentials

by University of Colorado System



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Thanks for signing up for the essentials for database management course. The course includes 11 modules with the first module providing course background and the other 10 modules providing course details. For each module except the course background, you will have video lectures, slides, optional readings, practice problems, and either quizzes or graded problem sets. The course is heavily problem-oriented so you will get plenty of practice to develop your skills using Oracle, MySQL, and a database diagramming tool. When you complete the course, you'll have a detailed knowledge and skill set for designing and using relational databases, the most widely used databases for businesses.

Since learners have a variety of computing backgrounds and learning styles, you may want to consider an alternative schedule to complete this course. For typical learners with some computing background, I you've successfully completed Course 1 of 5: **Database Management Essentials** recommend the seven week schedule built into the course. For learners with high motivation and some database background, I recommend a slightly faster pace on a 5 or 6 week schedule with modules 1 to 3 completed in the first week. For learners wanting a slower pace, I recommend an eight week schedule with one of the weeks with two modules (week 3, 4, or 5) split into two weeks.

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If you have friends who might be interested in database management, please let them know about the class, and get them to sign up too (maybe forward this email to them). If you and your friends form a 'study group' and work together to learn about database manage, that would likely make the experience more for, an where you learn more quickly too.

Welcome again to the Essentials of Database Management course. Database management is one of the most sought after skills today in the technology industry, and I hope that this course will help make you an expert. You will also be prepared for the other four courses in the specialization, 'Data warehousing for business intelligence.' This specialization will help you gain entry into exciting and challenging opportunities as a data warehouse or business intelligence.

Readings Done





Introduction to Databases and DBMSs

Videos

Done

Readings

Done

Practice Exercises

Done

100%

May 7

REQUIRED GRADE DUE

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Quiz

Module02 Quiz

20 min

✓ WEEK 2

Relational Data Model and the CREATE TABLE Statement

Videos 31 min left

Readings 30 min left

Practice Exercises Done

REQUIRED

Peer-graded Assignment
Module 3 Assignment
2h

Review Your Peers
Module 3 Assignment

Module 3 Assignment

96%

May 14

Peer-graded Assignment

96%

May 17



WEEK 3



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Basic Query Formulation with SQL

Videos 46 min left

Readings 1h 50m left

Practice Exercises 22 min left

REQUIRED	GRADE	DUE
Peer-graded Assignment Module 4 Assignment 2h	100%	May 21
Review Your Peers Module 4 Assignment	100%	May 24

Extended Query Formulation with SQL

Videos 44 min left

Readings 1h 40m left

Practice Exercises 30 min left

REQUIRE	ED	GRADE	DUE
	er-graded Assignment odule 5 Assignment	100%	May 21
\sim	view Your Peers dule 5 Assignment	100%	May 24

WEEK 4



Notation for Entity Relationship Diagrams

Videos 34 min left

Readings 1h 10m left

REQUIRED	GRADE	DUE
Peer-graded Assignment Module 6 Assignment 2h	99%	May 28
Review Your Peers Module 6 Assignment	99%	May 31

ERD Rules and Problem Solving

Videos 30 min left

Readings 1h 20m left

REQUIRED	GRADE	DUE
Peer-graded Assignment Module 7 Assignment 2h	100%	May 28
Review Your Peers Module 7 Assignment	100%	May 31

✓ WEEK 5

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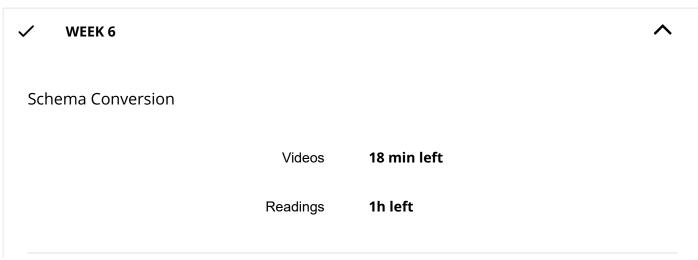
Developing Business Data Models

Videos 37 min left



Readings 1h 10m left

REQUIRED			GRADE	DUE
Peer-graded Assignment Module 8 Assignment 2h			100%	Jun 4
Review Your Peers Module 8 Assignment			100%	Jun 7
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	Videos	23 min left	GRADE	DUE
REQUIRED Peer-graded Assignment Module 9 Assignment 2h	Videos	23 min left	GRADE 100%	DUE Jun 4



REQUIRED	coursera	GRADE	DUE
Peer-graded Assignment Module 10 Assignment 2h		97%	Jun 11
Review Your Peers Module 10 Assignment		97%	Jun 14

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Videos	41 min left		
Readings	1h 20m left		
		GRADE	DUE
nt		96%	Jun 18
		96%	Jun 21
	Videos Readings	Videos 41 min left Readings 1h 20m left	Videos 41 min left Readings 1h 20m left GRADE 96%