This course covers the following topics (any items marked with a * will be covered if time allows). Note that this is a new course (this which means that we don't guarantee to run all scheduled dates).

MySQL installation overview

- Installation on Windows
- MySQL Service
- The User account
- Command line interface

Using MySQL Workbench

- Connections
- The Navigator
- The main window
- The schema window

Creaitng databases

- Designing databases
- Primary keys

Working with tables

- Creating tables
- Field types
- Creating relationships

Simple queries

- Creating SELECT queries
- Commenting your queries
- Good coding practice
- Table and column aliases

Setting criteria using WHERE

- Creating criteria
- Using wildcards
- Filtering by date
- Handling nulls

Calculations

- Calculated columns
- Using aliases
- Converting data types
- Using built-in functions

Calculations using dates

- The current date/time
- Using date functions

Joins

- Inner joins
- Giving tables aliases
- Left and right outer joins

Aggregation and grouping

- Single statistics
- Various ways to count
- Grouping by columns
- Filtering results using HAVING

Subqueries (*)

- Subquery syntax
- Creating subqueries
- Using subqueries in a query

Derived tables and CTEs (*)

- Using derived tables
- Common Table Expressions (CTEs)
- Multiple CTEs

Models (*)

- Entity Relationship Diagrams (ERDs)
- Reverse engineering ERDs

Maximum 6 people per course. Scheduled classroom courses include lunch at a local restaurant; you can see how our online training works here. For more information, see https://www.wiseowl.co.uk/.