



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).

<b>MySQL installation overview</b> <ul style="list-style-type: none"><li>• Installation on Windows</li><li>• MySQL Service</li><li>• The User account</li><li>• Command line interface</li></ul>	<b>Setting criteria using WHERE</b> <ul style="list-style-type: none"><li>• Creating criteria</li><li>• Using wildcards</li><li>• Filtering by date</li><li>• Handling nulls</li></ul>	<b>Subqueries (*)</b> <ul style="list-style-type: none"><li>• Subquery syntax</li><li>• Creating subqueries</li><li>• Using subqueries in a query</li></ul>
<b>Using MySQL Workbench</b> <ul style="list-style-type: none"><li>• Connections</li><li>• The Navigator</li><li>• The main window</li><li>• The schema window</li></ul>	<b>Calculations</b> <ul style="list-style-type: none"><li>• Calculated columns</li><li>• Using aliases</li><li>• Converting data types</li><li>• Using built-in functions</li></ul>	<b>Derived tables and CTEs (*)</b> <ul style="list-style-type: none"><li>• Using derived tables</li><li>• Common Table Expressions (CTEs)</li><li>• Multiple CTEs</li></ul>
<b>Creating databases</b> <ul style="list-style-type: none"><li>• Designing databases</li><li>• Primary keys</li></ul>	<b>Calculations using dates</b> <ul style="list-style-type: none"><li>• The current date/time</li><li>• Using date functions</li></ul>	<b>Models (*)</b> <ul style="list-style-type: none"><li>• Entity Relationship Diagrams (ERDs)</li><li>• Reverse engineering ERDs</li></ul>
<b>Working with tables</b> <ul style="list-style-type: none"><li>• Creating tables</li><li>• Field types</li><li>• Creating relationships</li></ul>	<b>Joins</b> <ul style="list-style-type: none"><li>• Inner joins</li><li>• Giving tables aliases</li><li>• Left and right outer joins</li></ul>	
<b>Simple queries</b> <ul style="list-style-type: none"><li>• Creating SELECT queries</li><li>• Commenting your queries</li><li>• Good coding practice</li><li>• Table and column aliases</li></ul>	<b>Aggregation and grouping</b> <ul style="list-style-type: none"><li>• Single statistics</li><li>• Various ways to count</li><li>• Grouping by columns</li><li>• Filtering results using HAVING</li></ul>	

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/>.