



This course covers the following topics (any items marked with a \* will be covered if time allows):

<b>Using SQL Server</b> <ul style="list-style-type: none"><li>• SQL Server Management Studio</li><li>• Controlling windows</li><li>• Using Object Explorer</li></ul>	<b>Setting criteria using WHERE</b> <ul style="list-style-type: none"><li>• Wildcards (% and _)</li><li>• Setting criteria for dates</li><li>• Coping with nulls</li></ul>	<b>Views</b> <ul style="list-style-type: none"><li>• The view designer</li><li>• Limitations of the designer</li><li>• Scripting views</li></ul>
<b>Creating databases - overview</b> <ul style="list-style-type: none"><li>• Designing databases</li><li>• Primary keys</li></ul>	<b>Calculations</b> <ul style="list-style-type: none"><li>• Calculated columns</li><li>• Using aliases</li><li>• String functions and concatenation</li></ul>	<b>Subqueries (*)</b> <ul style="list-style-type: none"><li>• The concept of a subquery</li><li>• Syntax of subqueries</li><li>• Using subqueries in a query</li></ul>
<b>Working with tables</b> <ul style="list-style-type: none"><li>• Creating tables</li><li>• Allowing nulls or not</li><li>• Identity fields</li><li>• Creating relationships</li></ul>	<b>Calculations using dates</b> <ul style="list-style-type: none"><li>• GetDate</li><li>• Converting dates</li><li>• Useful date 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 in a single query</li></ul>
<b>Query Designer</b> <ul style="list-style-type: none"><li>• Building queries</li><li>• Editing queries in the designer</li></ul>	<b>Basic joins</b> <ul style="list-style-type: none"><li>• Inner joins</li><li>• Table aliases</li><li>• Left and right outer joins</li></ul>	
<b>Simple Queries</b> <ul style="list-style-type: none"><li>• Creating queries</li><li>• Comments</li><li>• Indentation and case</li></ul>	<b>Aggregation and grouping</b> <ul style="list-style-type: none"><li>• SUM, AVG, MIN, MAX</li><li>• Various ways to count</li><li>• Grouping by fields</li><li>• Using HAVING to filter results</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](https://www.wiseowl.co.uk/). For more information, see <https://www.wiseowl.co.uk/>.

