

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

<p>Using SQL Server</p> <ul style="list-style-type: none"> Using Object Explorer Hiding system objects <p>Creating databases - overview</p> <ul style="list-style-type: none"> Designing databases Primary keys Indexing fields <p>Working with tables</p> <ul style="list-style-type: none"> Creating tables Allowing nulls or not Identity fields <p>Database diagrams</p> <ul style="list-style-type: none"> Creating database diagrams Joining tables with relationships <p>Simple Queries</p> <ul style="list-style-type: none"> Creating queries Comments Indentation and case 	<p>Setting criteria using WHERE</p> <ul style="list-style-type: none"> Wildcards (% and _) Setting criteria for dates Coping with nulls <p>Outputting to Excel</p> <ul style="list-style-type: none"> Results, text and grid options Copying and pasting column headings Exporting using SQL Exporting using the menu <p>Calculations</p> <ul style="list-style-type: none"> Calculated columns Using aliases String functions and concatenation <p>Calculations using dates</p> <ul style="list-style-type: none"> GetDate Converting dates Useful date functions <p>Basic joins</p> <ul style="list-style-type: none"> Inner joins Table aliases Left and right outer joins 	<p>More exotic joins</p> <ul style="list-style-type: none"> Cross joins Full outer joins Self joins <p>Aggregation and grouping</p> <ul style="list-style-type: none"> SUM, AVG, MIN, MAX Various ways to count Grouping by fields Using HAVING to filter results <p>Views</p> <ul style="list-style-type: none"> The view designer Limitations of the designer Scripting views <p>Subqueries (*)</p> <ul style="list-style-type: none"> The concept of a subquery Using ALL, ANY and IN Using EXISTS Correlated subqueries <p>Derived tables and CTEs (*)</p> <ul style="list-style-type: none"> Using derived tables Common Table Expressions (CTEs) Multiple CTEs in a single query
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There will be no more than 6 people on the course. All of our public (scheduled) courses include lunch at a local restaurant.

For more information, see www.wiseowl.co.uk/courses/introduction-to-sql.htm.