

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

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

There will be no more than 6 people on the course. We strongly recommend the use of a second monitor for this training. For more information, see www.wiseowl.co.uk/sql/online/introduction-to-sql/.