



This course combines topics from the following courses (any items marked with a * will be covered if time allows).

Topics taken from our **REPORTING SERVICES** course

Introduction to SSRS <ul style="list-style-type: none">• Visual Studio and SSDT• Solutions and projects• The Visual Studio environment	Parameters <ul style="list-style-type: none">• Using query parameters• Creating drop lists• Multi-value drop lists• Formatting using parameters	Subreports (*) <ul style="list-style-type: none">• Creating a child report• Creating the main report• Creating and formatting subreports
Designing a Simple Report <ul style="list-style-type: none">• Authoring a report• Using report items• Selecting and formatting report items• Number formats	Indicators <ul style="list-style-type: none">• Creating indicators• Changing the symbols displayed• Stopping indicators stretching	Drill-through reports <ul style="list-style-type: none">• Parent and child reports• Creating actions• Passing values to a child report
Data sources and datasets <ul style="list-style-type: none">• Shared data sources• Shared versus embedded datasets• Using Query Designer	Gauges <ul style="list-style-type: none">• Creating and formatting gauges• Gauge panels• Pointers, scales and ranges	Maps (*) <ul style="list-style-type: none">• ESRI shapefiles / SQL spatial data• Linking to datasets• Map layers• Center points and point layers
Tables <ul style="list-style-type: none">• Structure of a table• Formatting tables• Inserting rows• Interactive sorting• Repeating page headers	Matrices <ul style="list-style-type: none">• Areas of a matrix• Sorting and grouping matrices• Creating and formatting subtotals	Deploying reports <ul style="list-style-type: none">• Setting the target server• Deploying an entire project• Deploying single reports
Grouping tables <ul style="list-style-type: none">• Using the grouping panes• Row and column groups• Displaying subtotals• Outlining	Charts <ul style="list-style-type: none">• The areas of a chart• Creating charts• Formatting charts	The SSRS web portal <ul style="list-style-type: none">• Browsing to the web portal• Viewing reports• Managing reports
Expressions <ul style="list-style-type: none">• Calculated fields• The ReportItems collection• Using built-in fields• Conditional formatting - expressions	Data bars and sparklines <ul style="list-style-type: none">• Need for a grouped row• Creating data bars• Creating sparklines	Subscriptions (*) <ul style="list-style-type: none">• How subscriptions work• Creating a new subscription• Managing subscriptions
Pages and printing <ul style="list-style-type: none">• Page headers and footers• Pagination between groups• Header and footer expressions	Lists (*) <ul style="list-style-type: none">• Creating and formatting lists• Grouping using lists• Using rectangles in lists	



Topics taken from our **ADVANCED SSRS** course

Advanced expressions

- Understanding scope
- Using RowNumber
- Running totals

Variables

- How variables work
- Report variables
- Group variables

Embedding code

- Setting code for a report
- Calling functions in expressions
- Better ways to write code

Using SQL views

- Why views are a good idea
- Designing views
- Scripting views
- Using views in reports

Stored procedures in SSRS

- Pros and cons of stored procedures
- Server Explorer vs SSMS
- Creating and editing procedures
- Using for reports

Stored procedure parameters

- Creating report parameters
- Refreshing fields
- Default and null values

Dropdowns with procedures

- The stored procedures needed
- Cascading dropdowns
- Replacing SELECT A VALUE

Multivalue parameter procedures (*)

- Splitting the choices made in SQL
- Displaying the chosen data
- Restricting the number of choices

Improving report navigation

- Document maps
- Using bookmarks
- Setting tooltips

Dynamic reports

- Dynamic datasets
- Dynamic grouping
- Dynamic matrices

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/>.