

Excel 2003: VBA Programming Course Outline

Session	Content	Session	Content
1	Introduction to Excel VBA <ul style="list-style-type: none"> • Identify components of VBA Editor window • Work with Command Macros • Examine Macro Code • Edit Macro Code 	5	Looping Structures <ul style="list-style-type: none"> • Implement iteration using Do Loop For Next For Each Next • Use Excel's InputBox method • Use VBA function RND() • Use Excel function COUNTA()
2	Working with Sub Procedures <ul style="list-style-type: none"> • Work with the range object • Use the Oject Browser for help • Create worksheet buttons to run a macro or sub • Create subs • Use the Input Box • Use with statement • Add comments to code 	6	Forms and Events <ul style="list-style-type: none"> • Work with events • Work with Controls on User Forms • Create event procedures for object • Create code to open and close a UserForm
3	Using VBA Selection <ul style="list-style-type: none"> • Work with selection if then else select case • Create toolbar buttons to run a sub • Use the Message Box • Extend the use of the Range object 	7	More on Forms, Controls and Events <ul style="list-style-type: none"> • Use a ListBox • Use a ComboBox • Set Tab Order on a UserForm • Set Hot Keys • Show/Hide a form • Add graphics to a UserForm
4	User Defined Functions and Variables <ul style="list-style-type: none"> • Declare variables and constants • Implement data types • Create User-Defined Functions • Work with parameters/arguments • Include worksheet functions in User-Defined functions 	8	Error Trapping and Putting it All Together <ul style="list-style-type: none"> • Use Debugging tools Immediate Window Locals Window Watch Window Break Points • Trap errors • Suppress error messages • Include error trapping to ignore errors • Examples to revise all concepts

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