## **Introduction to Visual Basic for Applications**

- To get started with your first VBA program, which writes a text file, start Microsoft Excel (version 5.0 or newer) and open a new workbook. Save the workbook (say, as *myfile.xls*) in the directory where you want your VBA (text) text file to go.
- Go to **Macro** on the **Tools** menu and select **Visual Basic Editor**, as shown in Figure 1 (or just hit *Alt-F11*).



Figure 1. Opening the VBA Editor.

- In the VBA Editor, you will probably see three windows—the Project Window, the Properties Window, and a Code Window. In the Project Window, highlight **VBAProject**(*myfile.xls*), and then choose **Module** from the **Insert** menu.
- A module called "Module 1" should be added to your project, and a blank code window for the module should open. If you don't see a code window, double-click on "Module1" in the Project window. (Don't worry if "Option Explicit" appears in the code window).

🚰 Microsoft Visual Basic - myfile.xls		
Eile Edit View Insert Format Debug Run Iools Window Help		
🛛 🔀 🏣 🗸 👫 Procedure 💿	·· → II ■ 🔛 💐 🖆 🍄 🏷 😰	
Project - VBAProject 🔠 UserForm		
	wymynie.xis - ModuleT (Lode)	
🕀 😸 mprog.xlj	(General)	
🕀 🥸 netsolv (n 🛛 File	Option Explicit	
Microsoft Excel Objects		
Sheet1 (Sheet1)		
Sheet2 (Sheet2)		
ThisWorkbook		
WBAProject (PDFWriter vla)		
I		
Properties - VBAProject 🛛 💌		
VBAProject Project		
Alphabetic Categorized		
(Name) VBAProject		

Figure 2. Inserting a module into a project.

- Type your code in the code window. Syntax errors will appear in red.
- When finished, select **Sub/form** from the **Run** menu, or else click on the button to run your code.
- Upon running, a text file called "Proj2.LPN" should appear in your directory.
- Study the output file and your code that wrote it.
- Choose Close and Return to Microsoft Excel from the File menu.