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] Push Button	You must design and select
ider	the tools you require
adio Button	Placing tools on the CIII
heck Box	is easy just drag and drag
dit Text	is easy, just drag and drop
tatic Text	with the mouse
p-up Menu	The more difficult step
tbox	is associating program
oggle Button	and with the tools
able	coue with the tools
xes	GUIDE helps with that
anel	by creating a skalaton
utton Group	and the first time you
ctiveX Control	code the first time you







































ng background , look at exampl are trying to ac ::	nformation s that omplish –	
ively Explore	Data in a Table	
nple tat GUI		
tat Example to program callbacks f ion to initialize a table : lection Callback to do	r interactive data exploration, including: id a plot. o selected data in real time as the user selects da	ta observations.
	ngle tat Example to program callbacks for ion to initialize a table ar lection callback to do pl callback to generate line	ngle tat Example to program callbacks for interactive data exploration, including: on to initialize a table and a plot. lection Callback to do plot selected data in real time as the user selects da sallback to generate line graphs that display different views of data 717

- A context menu attached to an axes.













## 

Using a Modal Dialog Box to Confirm an Operation

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Rev	Review of Course Learning Goals		
1. - proble - appro	Problem Solving Learn to apply the "engineering method" to the solution of quantitative ems Develop the ability to evaluate engineering formulas, carrying units and priate precision through calculations		
<b>2.</b> - - proble	Spreadsheet Techniques Develop efficient spreadsheet skills Learn to set up and interpret "what-if" and case study scenarios Learn to organize and layout spreadsheet solutions to engineering ems		
	2323		

3.	Programming Fundamentals Learn how information is represented by different data types Learn program-flow algorithm structure and modularity Learn to use features of object-oriented programming
4.	Elementary Numerical and Statistical Methods
-	Develop the ability to solve single nonlinear algebraic equations using
elerr	entary numerical methods, such as bisection, false position or Newton's
-	Learn to solve sets of linear and nonlinear algebraic equations
-	Learn to carry out regression calculations

## **Review of Course Learning Goals**

5.

Software Tools Develop skills with and knowledge of the following Excel 2007 & Visual Basic for Applications (VBA) Mattab R2009b software tools:

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Course Summary and Review of Objectives				
course title: Introduction to Engineering Computing				
purpose: get you started open doors gain some experience build reference materials	don't be discouraged that you haven't achieved mastery			
challenge: keeping your knowledge and skills alive				
look for opportunities to use the computing tools introduced in this course <u>not</u> just when required by instructors				
don't sit there using your calculator (for hours) when, with a little effort, you could get the job done on the computer (and, in <i>minutes</i> )				
come back for help in future semesters (and later!)				

my door is always open

be prepared when computing tools will be required

A couple key final points:

You should judge <u>how much</u> you have learned in this course. That learning is a shared responsibility between you and your instructors. If you learned a lot, as a team, we succeeded. If you learned very little, we failed.

Although you can judge how much you learned, it will be difficult for you to know whether what you learned is <u>on target</u>. But you will be able to assess that with time.

Good luck on the final exam!

[ and, of course, Go Buffs!! ]

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