Pandora Box Prototype Assessment May 2001

11. What I disliked most was:

Please complete Section One as you complete each activity and comment on what was easy or difficult.

Please complete Section Two after you have completed the entire activity.

Section One:	
Comment on what was easy or difficult about creating the waveforms below.	
1. Set a 500KHz sine wave with 0.5 Volt amplitude, 0 Volt offset.	
Easy: Difficult:	
2. Set a 1 KHz square wave with a 2 Volt amplitude, 80% duty cycle, 0 Volt offset.	
Easy: Difficult:	
3. Set a 10 Hz 0-3 Volt triangle wave. (1.5 Volt amplitude, 1.5 Volt offset.)	
Easy:Difficult:	
4. The final box (without any knobs) will be about the same weight as this box. The box is: (a) just the right weight (b) too heavy What would be the preferred weight? 	
5. The final box (without any knobs) will be about half the current size. The size of the final box (a) just the right size (b) too large What would be the preferred size?	(is:
6. The box's ease of use was: (circle one) Excellent Very Good Good Fair Poor Very Poor	
7. Without the knobs and with all controls on the PC, it will take some menu levels to set signal characteristics (amplitude, frequency, offset, duty cycle, etc.) and to set measurement time. How many menu levels are just right? (a) 2 levels (b) 3 levels (c) 4 levels (d) write in: levels	/
8. Additional information that I needed to use the current box:	
9. The problems I had were:	
10. What I liked best was:	

	o: Reflect on Box activitie		•	_	itional lab	activities compared to		
	ctiveness of th Very Good	ne box for you Good		mpared to Po		trumentation is: Very Poor		
13. Using your current instrumentation in the course and in the EE laboratory, how many hours per week have you spent on testing these experiments you did today?								
Under 2	2-3	4-5	6-7	8-9	10 +			
14. Assuming you can use the box in the course, how many hours per week would you spend on testing these experiments you did today?								
Under 2	2-3	4-5	6-7	8-9	10 +			
15. Assuming that the final box with PC controls can be taken home for testing experiments, would you do so? Why?								
16. Assuming the final box is usable for all EE courses and a student would have to buy only one box for his/her entire study, how much would you or your family be willing to pay? [benchmark: a textbook for one EE course costs about \$80-\$100] \$								
17. Assuming that the final box will be available for home use, would you use it more often for experiments (class experiments, your own tinkering, etc.)? (a) Yes (b) No (c) use it just often enough to finish required class experiments								
18. Assumine experimenta (a) Yes	l skills?	l box will be a	vailable for h	ome use, v	would it enh	nance your education and		
Why:						_		
	d like to conta your name ar			in the near	future. If y	ou are willing to participate,		
Name:			Email:					
PC at home:	(a) yes	(b) no						
20. Other con	mments:							