Name	Electronics and In ENGR-4220	strumentation Spring 1999	Section
Project 2: Pre-Pro	ect Report (15 points)		
Introduction (1 pt): In	ntroduce and describe th	e goals of the pro	ject.
particular design, and on should not expect your	be your project design, he discuss potential problem initial design to be a contain make changes while you	s. This last item amplete success. R	is very important. You emember that you will
generator. Measure volta, and a resistor with the san the transducer to see what	ge levels at all points of the t ne value as the speaker. Sele	ransmitter and recei ct a transducer to re Modify the circuit	e audio source and the function iver using two loads: a speaker eplace the audio source. Test diagrams to accommodate the
calculations, graphs, Populations, Branch Populations, graphs, gra	Spice simulations, and co	ommon sense reas	oport your discussion with soning. nalyze the functionality of each
part of the circuits.			
_	ities (1 pt): A short paragentributed to the project of		vritten describing what
Appendix (2 pts): Incl	ude any background ma	terials you used.	
basic transmitter and reusing a personal stereor points. Successful transfor the function gener group must determine frequency that is best to Personal S	and the function general asmission of the audio signator (with output levels of the minimum and maxim eproduced. These judgratereo	essfully transmit a tor as sources, yo gnal requires only comparable to the turn discernible fr nents are somewh Witnessed	and receive an audio signal ou will receive the full 5 y that it can be understood. e personal stereo), your equencies and the nat qualitative.
	Generator Best Freq		
wim. r req.	Dest rreq	Wiax. F	ieų

Name	Electronics and I ENGR-4220	Instrumentation Spring 1999	Section
Project 2: Final Rep	ort (10 points) .		
Introduction (1 pt)	Problem statement.		
Update your problem states the educational issues we h			e selected. List at least two of ountered in this project.
Implementation (3 pts implementation of your to someone who wishes	project and how you s	solved them. Includ	tered during the de advice you would offer
Show that the new desi	gn works with experim d-pencil analysis. Inclu	nental data from yo	to be changed and why. our hardware and PSpice we your experimental data
	r and have them sign your o	data. Show them the	nstrate the operation of your procedure you are following. mance of your design.
Fir	nal Design Test Witne	essed	
Personal Responsibili each group member did			written describing what gn.
Creativity (0-2 pts) – A			on or in the final design