

Analog Electronics

Lab Journal Check

Name: _____

Date: _____

A useful lab journal is expected to contain the following:

- Name, Date, and Partner(s) – noted for each day
- Frequent journal entries (every 15 to 20 minutes)
- Experimental Setup
 - Apparatus listed
 - Part numbers and serial numbers
 - Schematic
 - Specific connections shown as needed
- Data collected in organized format
- Graph(s) with labels
- Theoretical relationships defined and/or derived
 - Equation(s) linearized
- Analysis of data shown
 - Appropriate curve fits(s)
 - Error propagation (derivation if necessary)
- Discussion and concluding thoughts
 - Comparison with expected
- Correction of Errors, something that shows you are actively thinking and processing

Draw a (green) line in your journal and label it with the date of this journal check. Using the rubric below, determine your journal grade since your last journal check.

Journal Scoring Rubric

	Required	Additional Elements
0	No journal entries	
1	<ul style="list-style-type: none"> <input type="checkbox"/> Experimental setup (easy to recreate by peer) <input type="checkbox"/> Everything required above plus 2 additional elements 	<ul style="list-style-type: none"> <input type="checkbox"/> Table of Contents <input type="checkbox"/> Lab Title, Partners and Date (at start of each activity or more often) <input type="checkbox"/> Apparatus (parts) list <input type="checkbox"/> Graph with appropriate curve fit <input type="checkbox"/> Journal entries every 20 minutes <input type="checkbox"/> Theoretical relationships defined Comparison with expected: <ul style="list-style-type: none"> ○ Theory (accepted) ○ Other Results (experiments and/or groups) <input type="checkbox"/> Equation derived <input type="checkbox"/> Equation linearized
2	<ul style="list-style-type: none"> <input type="checkbox"/> Data collected (and organized) <input type="checkbox"/> Schematic drawing <input type="checkbox"/> Everything required above plus 1 additional element (3 total) 	
3	<ul style="list-style-type: none"> <input type="checkbox"/> All measured quantities expressed with uncertainty listed <input type="checkbox"/> Data graphed in appropriate manner <input type="checkbox"/> Everything required above plus 1 additional element (4 total) 	
4	<ul style="list-style-type: none"> <input type="checkbox"/> Discussion of results <input type="checkbox"/> Error propagation <input type="checkbox"/> Everything required above plus 1 additional element (5 total) 	