

## Grading, E11 Lab 5

**1. Title Page** \_\_\_/2

**2. Abstract** \_\_\_/5

- very concise summary of the experiment and the results obtained

**3. Introduction** \_\_\_/5

- background information
- how work fits into broader contexts of the class, field, discipline, etc.

**4. Theory** \_\_\_/15

- derive and neatly and clearly present equations needed to understand experiment or perform data analysis

**5. Procedure** \_\_\_/5

- details of how experiment was performed, equipment configured, data collected, etc.

**6. Results** \_\_\_/15

\_\_\_/6 extra points for curve fits, one point per fit (R=100, 300, 1000, 3000 and 10000  $\Omega$ , and one for the op-amp circuit).

- results are clearly labeled and set off from text (eg, in a table or graph)
- experimental and theoretical results side by side for easy comparison; include deviations of experimental results from theory.
- tables and graphs labeled with title & number; referenced in text
- labels on graphs – units
- each table and graph has a caption

**7. Discussion** \_\_\_/10

- discuss significance, or meaning, of the results.
- discuss discrepancies between theory and experiment, and their likely causes.
- discuss difficulties encountered in performing lab.

**8. Conclusions and Future Work** \_\_\_/5

- summarize what was reported

**9. Anything extra?** \_\_\_

**Total:** \_\_\_/62=