Lab Report General Feedback

Report values with the format of "r = 0.412 ± 0.009 Ω."
Not: "r=.418 Ohms"…"which had an error of 9.1532 milliOhms."
And not: "r=412E-3 plus or minus 9E-3."

Include the leading zero; it keeps values from being misread by many orders of magnitude.

Use appropriate units, *e.g.* "1.09 ± 0.02 MΩ" instead of "1090118 ± 23009 Ω."

Keep your number of significant figures to 4 at the most, and do not report more precision in σ_x than in x itself.

Use "Insert > Symbol" in MS word for special symbols or run "charmap" in the Windows "Run…" dialogue to copy and paste special characters.

Use MS Word equation editor (or equivalent) for equations and number important equations, *e.g.*:

$$A = \pi r^2 \tag{1}$$

The intro should communicate why the experiments were performed.

The abstract is the punch line of your report. It should include the values that the experiments set out to measure.

State whether your results make sense or not. When applicable, compare your results to the nominal values.

Tables of data can go in an appendix if they are included at all.

All figures need:

1. A label
2. A caption
3. to be referred to by label in the body of the text (no figures that are never referenced)

Plots need axis labels and units.