Portland State University

Electrical & Computer Engineering
EE 347 Power Systems I

General notes/guidelines for lab reports:

- Review the rubrics that are posted on D2L. This is how you are being evaluated and should help you get a sense for what we're looking for.
- Please do not write, verbatim, the lab instructions in your report.
- Please do not just throw up screenshots of your results indiscriminately and without explanation. If there are screen shots of **particular value** share those and explain their significance. Otherwise (if you really, really want to) you can include screenshots in the appendix, but this is not necessary.
- Results should be summarized in tables and/or plots (rather than exhaustively given in screenshots). This shows that you understand your results and what is significant.
- When appropriate, including a circuit diagram to demonstrate your system is an excellent idea. If you want to create your own, there are a number of good, open-source vector graphics software tools.
- Please provide the equations that you used for all calculations **using an equation editor** (do not scan in hand-written notes). You do not need to include all of the step by step calculations. Just the equations used are sufficient. If you really want to share your hand-written step by step calculations (again not necessary) you can also include these in the appendix, but this is not a replacement for including the equations in the body of the report to explain where your calculated results came from.
- **<u>Please comment on your results</u>**. Show that you understood what you were doing.
- If your measured values do not match your calculated values, revisit your work. If you are convinced that you have done everything correctly, acknowledge the discrepancy and try to explain it. Even if your explanation is wrong, that's still better than ignoring the discrepancy or acknowledging it without some kind of explanation.
- A brief introduction, results section and analysis/discussion section should be sufficient. You do not need an abstract. These reports really don't need to be more than a few pages long.
- Use the LaTeX report template provided in D2L.
- In lab reports, you get points for style. So make sure they look good, are concise and easy to read, have clear (and clearly labeled) figures/equations/tables, are well-organized and don't give me a headache.