ME446 Lab Report Guidelines

1. You and your lab partner (or partners) will be graded together as a group on your lab reports. You will all receive the same grade unless it is found that one or more of you is not pulling their own weight in the lab by not trying, not being engaged in the lab work or not showing up to lab sessions, etc.

2. There will be four lab reports, one for each lab, and they will be due at the beginning of your lab session the week the next lab begins. The due date for lab 4 will be announced in lab.

3. The most important part of your lab reports is to get the math, equations and derivations correct along with the code you wrote to implement the required tasks. Equations should be typed ideally. If for some reason that is a burden, the equations need to be written very neatly, easy to read and somehow, i.e. scanned, part of your electronic lab document.

4. You will be submitting both a printed copy of your lab and an electronic version through email d-block@illinois.edu. The printed copy will make grading easier. The electronic version will help improve the labs in future semesters.

5. The second area of importance that your lab reports will be graded on is your explanation of the procedures and thought process you and your partners took in completing the lab assign. You should think of part of this lab report as a "how to guide" showing others the steps you took to produce your results. If you used Matlab or Mathematica (or any other package) show the script files you used. Don't just put them in the appendix. Explain how and what the Matlab or Mathematica code helped you accomplish.

6. Show in your explanations that you understand what you did in lab.

7. Produce plots and visuals to explain what you did with the robot. Make sure they are labeled correctly and easy to read.

8. Impress. Think of these reports in two ways. One as documents to explain to a student new to this class the solution to the lab. Second think as if your research advisor or manager at your new job is reading these reports and you want to impress them with the knowledge you just learned.

9. Bonus: If you find mistakes in the lab write-ups, fix the problems in the Word document and submit to d-block@illinois.edu when you turn in your report. If you do not like the way the write-up is worded, or doesn't explain items to your liking, fix the write-up and submit it to d-block@illinois.edu when you turn in your report. Make sure to be clear on what you changed.