

Mechanical Vibrations Labs

General Format For Lab Reports

Lab Format

- TITLE PAGE(1)
Report title, course, your name, date lab performed, date lab due, date report submitted.
- OBJECTIVE OF THE EXPERIMENT (1)
Statement of objective or purpose of the experiment/lab.
- THEORY/EQUATIONS USED (3)
List the equations used for your lab calculations (if any).
- SAMPLE CALCULATIONS/DATA GENERATED (5/0)
A sample of the calculations you performed to get your results.
- PROGRAM LISTING(0/5)
A listing of your MATLAB program (if any)
- CONCLUSIONS/ANSWERS TO QUESTIONS (5)
List your conclusions. Include answers to **all** questions asked in the lab handout here. Make sure your answers are well explained.
- RESULTS(5)
Your results, any problems you have had in this lab, your comments on the lab.
- CLASS PARTICIPATION (5) (experimental labs)
Your active participation in the lab is crucial to the experience. Additional unique insight presented in your report may also be represented here.

Please remember, its **what** you put in your report that counts and **not how much** you put in it. Some of these labs require you to turn in MATLAB plots, do not turn in **all** that you have printed out, but **only** what has been asked for. If you are not sure about what you need to turn in, please ask the TA. Once again, remember that most of the points that you get for a lab come from your answers to the questions in the lab handout.

Points may be taken off for grammar/spelling and sloppy presentation. The reports should be typewritten. PCs are available in the computer lab for word processing.

- All students should know how to operate the equipment in the lab and take part in the execution of the lab. It will be reflected in your grades.
- Question/s about the labs will be asked on exams. Not specifics, but concepts, methods and techniques.