

3306 physics laboratories, Spring 2025

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<https://www.physics.smu.edu/saptaparnab>



Intro lab: Resources and sixth-week checklist

Resources

- Weekly worksheet with mandatory and graded pre-lab submissions and information for your required preparation, experiment introductions, uncertainty analysis summary and labs: <https://www.physics.smu.edu/saptaparnab>

Your learning outcomes today

Keep asking your instructor until you have thoroughly understood the concept of uncertainties.

- ☐ Run the experiment with a tuning fork and produce vibrations
- ☐ Record the mass needed to produce various modes of vibrations (detailed questions in the jupyter-notebook)
- ☐ Perform error analysis

Additionally you will need to know how to

- ☐ work with jupyter-notebooks

Make use of your instructor's office hours and ask them about your graded worksheet/report or about your preparation for the following week's experiment.

Notes: