Lab Notebooks for PHYS 375
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1. Front of notebook
    - name
    - course section

2. Inside front cover
    - table of contents with page numbers

3. For each experiment
    - title on beginning of your dated notes about it.
    - dated records of work
        - diagrams of equipment and how it was used
        - notes on experiments tried
        - raw data
        - comments about experimental conditions/ discoveries
        - names of data files where data is stored
        - data analysis
        - plots of data

4. For each experiment Report section of notebook (dated summary of work with conclusions)
    - title of experiment
    - methods
        - experimental procedures used to make the measurements
        - diagram of equipment and how it was used
    - measurements
        - data tables or file names with descriptions
        - comments about experimental conditions/ discoveries
    - data analysis
        - plots of data
        - formulae used to extract measured quantities
        - uncertainty analysis
            - sources of error
            - methods of error assignment
            - uncertainty propagation
            - systematic vs. statistical
    - discussion of results
        - final results with uncertainty
        - identification of predominant source of uncertainty
        - discussion of ways to improve measurement
        - discussion of other possible measurements