Basic Requirements for 4th Lab

1. Must contain an experimental component – i.e. measurement of a system property or properties

2. Must be based on sound physical principles
   A. Must test a hypothesis (statistically)
   B. Or must validate a mathematical model – best if all experimental hypotheses can be reduced to mathematical models. This is usually easier than option A.
4th Lab Proposal Requirements

1. You should submit your proposal to your GTA by the published deadline to allow time to modify it. **It must be in PDF format!**

2. Must include enough detail for a technically trained, non-specialist to determine feasibility and rationale for performing the experiment.
   - Must explain specific goals for the study – what you hope to determine

3. Must include a literature review citing relevant background information.
   - Should include at least one source from the primary literature – i.e. archival journals, or conference proceedings. These may be found in our library or ordered via ILL (order early!). See: [http://library.mst.edu/resources/databases/dBList.html](http://library.mst.edu/resources/databases/dBList.html)

4. Should include a detailed budget estimate. All purchases MUST be approved by Dr. Stutts!
Budgetary Limitations

1. The total budget for each group is $100
2. The university does not pay tax, so you should use a university purchasing card with the tax exempt number on it
3. The department will not reimburse for food
4. No firearms or live ammunition are allowed on campus
5. Publication and duplication costs will not be reimbursed in excess of $25.
6. All purchases are made by the ME department purchasing agent, Ms. Tammy Vena:
   
   Phone (573) 341-4614
   Address: 194J Toomey Hall
   Email: venat@mst.edu