ME 552 Term Project Part 1
Literature Review and Proposed Effort
Due: Friday January 20th by 4 pm (Rogers 314)

Your team needs to submit a brief report proposing your term project. Specifically, you need to explain what scientific question(s) you will investigate and justify why they are important to engineers and/or society. You need to explain this in context of other published results (e.g., textbooks, journal articles, etc.). Be sure to highlight what has been done or known and how what you will do compliments existing understanding, or provides new insights. Plots or illustrations are appropriate in explaining what you are going to do or what results you anticipate. Please consider that this will need to be complete within 10 weeks, therefore the scope of your project must be realistic. With that acknowledged your project must be meaningful. You should consider what experimental arrangements are currently available or what you can reasonably assemble. Note that this project may compliment, but may not be the same as your current research focus. Feel free to stop by my office to discuss ideas prior to investing time in writing or reviewing literature.

Your report (no more than 3 pages) must include the following:

a) What measurements you plan to collect and what knowledge will be gained?
b) Review published literature or results which are relevant.
c) Hypothesize what results you anticipate. This will show that you have reviewed the literature and are applying your knowledge to the problem.
d) Describe what experimental arrangement you plan to use or build. Ensure that you have support from relevant faculty.
e) Describe what analysis or data processing you anticipate.

The grading matrix is listed below.

Content	Percentage of grade
Professional (grammar, punctuation, spelling, etc.)	25
Literature review thorough	30
Hypothesized results discussed	10
How the proposed measurements will be collected is clear	15
The merits/value of the measurements articulated	10
What data processing or analysis you anticipate is explained	10