

## Midterm Report Format

### General Remarks:

1. The report is designed for an audience of beginners. Make it a nice introductory essay so the beginners can catch up in the specialized field.
2. The final report will be a combination of nanostructures (see above), plus experiments, and supercomputing. Some originality in your contributions is desirable.
3. The final report can use part or whole of the Midterm report in its body, plus some original contributions (synthesis, comments, thoughts, and conclusions that you shall have developed yourselves on the topics).
4. The more references and web URL's that you include in the Midterm report, the better it serves the purpose of an introductory update.
5. You may quote or summarize from literature or web pages. However, you need to digest the materials and compose your own report. (In other words, do not just copy and paste.)

### Specific Contents:

1. It should contain (a) Structure (what is the nanostructure?), (b) Characterization (how do you describe it? With SEM, TEM, density, size, solubility, toxicity, etc.). (c) Manufacture (how is it made?) (d) Applications (where can this nanostructure be applied to? How is it applied? What is the operating principle? How effective? How does it compare to other competitive technologies?)
2. You can structure the writing into (a) Introduction. (b) Body of Description (item 1 above). (c) Conclusions and Observations. (d) Bibliography or References.

### Criteria in Grading:

The grading will be based on

1. Comprehensiveness (quantity of work)
2. Thoroughness (Depth of research)
3. Clarity and legibility
4. Pertinence
5. Usefulness
6. Format and appearance

There will also be a Midterm Presentation after the Midterm Report. So each group can benefit from the researches of others. Midterm Reports counts as 20%. Presentations as 10%.