

SAGES Seminar – Spring 2008

“The Role of Materials Science in Emerging Technologies”

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Individual Writing Assignment

Individual Final Papers (15% of final grade):

An 8-10 page long individual paper focusing on one application or area of interest identified during previous assignments

- 1 - Historical Perspective
- 2 - The role of materials science in electronic devices and electronic applications
- 3 - The role of materials science in power generation, transmission and storage
- 4 - The role of materials science in biomedical engineering and medical imaging applications

The final individual paper can build on your initial individual paper and/or technical briefs developed in the previous assignments. The papers should be well structured; e.g., have the following components:

I: Title

II: Introduction – general background information that leads to a specific objective

III: Main Body – that could be organized into sections with individual sub-headings

IV Summary and Conclusions

In addition, if warranted you could also have:

- a) an Abstract (a abstracted summary at the beginning of the paper)
- b) a section about Procedure (e.g., identifying specific procedures used to obtain relevant references and other information),
- c) a section about Theory (if specific theoretical derivations or scientific ideas need to be related).

The individual papers are due on the last day of classes – Monday April 28

Grading of the final paper will be based on the following criteria:

1) Structure and logical flow of information	(15%)
2) Background information (relevance and accuracy)	(10%)
3) Process (experimental procedure if applicable)	(15%)
4) Results and Discussion	(25%)
5) Summary and conclusions - what conclusions can be drawn from the work/study	(10%)
6) Style, grammar and syntax	(15%)
7) Originality of Idea	(10%)
Total	(100%)