

SAGES Seminar – Spring 2008

“The Role of Materials Science in Emerging Technologies”

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Assignment 1

Historical Perspective:

Groups of 2 (or 3) students will research the societal effects of different materials (e.g., Copper, Steel, Aluminum, Concrete, Plastics, Silicon, Glass, etc.).

- Week 1 (Jan 14, 16 and 18): Review of common reading material - Learning to use library resources on F 1/18.
- Week 2 (Jan 23 and 25): Selection of group research projects - discussion on F 1/25.
- Week 3 (Jan 28, 30 and Feb 1): Group/individual research - preparation of written document and presentation.
- Week 4 (Feb 4, 6 and 8): Group Presentations

Written Individual Papers (due on February 8)**Group Presentations (10% of final grade):**

The influence of a particular material on the development of specific technologies, and overall societal impact will be examined and presented to the class in form of short (10-15 minutes long) group presentations.

Brief papers (15 % of final grade):

The material will be summarized in a brief individual report (4-6 pages) in addition to the group presentation.