

## SAGES Seminar – Spring 2008

### “The Role of Materials Science in Emerging Technologies”

**Faculty:**

Peter Lagerlöf            512 White            Voice: 368-6488    e-mail: pxl4@case.edu

**Writing Liaison:**

David Earle            107 Guilford        Voice: 368-8571    e-mail: durl@sbcglobal.net

**Library Liaison:**

Brian C. Gray            510 Nord Hall        Voice: 368-8685    e-mail: brian.c.gray@case.edu  
Additional Office: Kelvin Smith Library 201-H

## Assignment 2

**Technologies used in the iPhone**

Groups of 4-5 students will research different technologies used in the iPhone:

- 1) Li-Ion Battery Technology
- 2) The Display Screen
- 3) The Proximity Sensor
- 4) Wi-Fi technology
- 5) .....

- Week 1 (Feb 13 and 15): Review of common reading material – Creation of Groups:
- Week 2 (Feb 18, 20 and 22): Group research project - discussion on W 2/22.
- Week 3 (Feb 25, 27 and 29): Group research - preparation of written briefs.
- Week 4 (March 3, 5 and 7): Group Presentations 3/3 and 3/5 – wrap-up 3/7:

**Group Presentations (20% of final grade):**

The different aspects of the technology used in the iPhone will be presented in 20-25 minutes long group presentations.

**Brief Papers (15 % of final grade):**

The material will be summarized in a brief group report (no more than 2 pages) in addition to the group presentation. These briefs will be “Peer-reviewed” by a different group. The 4 briefs (together with the group presentations) will be collected into an iPhone group project folder.