

Assignment #2 –The iPhone

- Week 1 (Feb 13 and 15):
 - Review of common reading material –

Today: Creation of Groups (4 groups) + Planning
- *Week 2 (Feb 18, 20 and 22):*
 - *Group research – progress reports W 2/20.*
- *Week 3 (Feb 25, 27 and 29):*
 - *Group research + preparation of written briefs – progress reports W 2/27.*
- *Week 4 (March 3, 5 and 7):*
 - *Peer review of written briefs*
 - *Group Presentations 3/3 and 3/5 – wrap-up 3/7:*

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Enabling Materials and Technology:

- 4-5 students per Group

Topics

- 1) Li-Ion Battery Technology
- 2) The Display Screen
- 3) Sensors (the Proximity Sensor and Accelerometer)
- 4) *Flash Memory and Processor*

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- **Brief Papers (15 % of final grade):**
 - The material will be summarized in a brief group report (no more than 3 pages)
 - The briefs should address technical aspects (i.e., enabling materials and enabling technologies)
 - These briefs will be “Peer-reviewed” by a different group.
- **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.
- **“iPhone group project folder”**
 - The briefs and group presentations will be collected into a **group project folder**

USNA 238 – Spring 2008

Assignment #2: Group Members

Group 1 – Li-Ion Battery Technology:

- Constance Akannam (cxa64)
- Robert Snader (rbs28)
- Chien-Yee Cheng (cyc5)
- Anthony Sperber (ams126)
- Kurt Gilbert (keg22)
- Chun Wong (cxw166)

• Group 2 – The Display Screen:

- Adam Stohs (axs349)
- Katie Fromwiller (knf4)
- Kenneth Tran (kxt89)
- David Phenis (dxp104)
- Andrew Nichols (asn8)
- Matt Yanosko (may7)

• Group 3 – Flash Memory and Processor:

- Ben Ballard (bxb107)
- Josh Wunder (jxw227)
- Farzad Sidhva (fxs58)
- Kyle Kupinski (kek22)
- Rishi Jain (rkj6)
- Ed Buynski (efb8)

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- **Group Activities**
 - **Research**
 - Enabling Materials
 - Enabling Technology
 - **Preparation of Brief Papers (2-3 pages)**
 - **Peer-Review of paper from a different group**
 - **Oral Presentation**
 - Preparation of presentation material and presentation
- **Today – Creation of Groups + Group Discussions**
 - **Approach**
 - **Areas of Responsibility of the Different Group Members**