CSE490D – Design Studio (for CompE Capstone 2008)

- Last Quarter – Exploration
  - Learn about problems/issues
  - Discuss possible projects - generate ideas

- This quarter – Design
  - Propose and vet solutions
  - Investigate related work
  - Sketch architecture
  - Determine major components
  - Basic feasibility studies

Schedule

- Jan 09 – Organizational, form initial groups
- Jan 16 – Present ideas, finalize groups
- Jan 23 - First round of separate group meetings
- Jan 30 – Presentations to panel
- Feb 06 - Research
- Feb 13 - Second round of separate group meetings
- Feb 20 - Present initial solution sketches
- Feb 27 - More research
- Mar 05 - Third round of separate group meetings
- Mar 12 – Present plans for implementation
- Mar 14 – Poster session
Course elements

- Presentations
  - Powerpoint
  - Templates provided
  - All members of group need to participate

- Group Meetings
  - Clarify ideas, get advice/suggestions
  - Set goals/timeline/responsibilities

- Research
  - Find related work on problem space
  - Find other approaches to same problem space
  - Explore solutions and feasibility

- Panel
  - Researchers working on ICTD
  - Vet project ideas, get advice/suggestions
  - Video-taped

- Poster Session
  - Our “final exam”
  - Capture state of project
  - Present ideas to department and others
  - Video-taped

Project groups

- Ideally, 3 to 5 students per group
- Everyone must be in a group, no 1 or 2 person projects
- Your output this quarter:
  - Four presentations: initial, panel, sketch, plans
  - Poster(s)
  - Prepare for eventual paper submission at end of Spring
  - Start of web site for each project
- Make sure group has a high compatibility in both mission and working style
Initial project ideas

- Cell phones of medical protocols
  - David
- Cell phones as medical sensors
  - Kristin
- Classroom Presenter on OLPC
  - Kris
- Sensors with SMS-based data aggregation
  - Martin
- Framework for cell phones to interact with database over SMS
  - Sierra
- Community information systems
  - Dana
- Others?