

## 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
- ◆ ClassroomPresenter 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?