Fundus Reading Hood

Client: Dennis G. Hafford

Team Members: Leah Brandon (Leader)
               Adam Dahlen (Communications)
               Nathan Kleinhans (BWIG)
               Sara Worzella (BSAC)

Advisor: John Webster

September 16 to September 22, 2005

Problem Statement
The goal of this project is to develop a monitor hood that will block ambient light. This hood must comply with the following specifications. The length must be adjustable and extend out 2 ft while keeping the monitor viewable at any length. It must be easily removable with a small footprint when stored, or will open up without requiring any space allowing regular viewing modality. There cannot be a footprint behind the monitor and it must taper to a closed viewing port of approximately 8 1/4” by 2 3/8”. Also, the hood should be self-supporting (no legs when extended) with an adjustable angle of view to allow grader to maintain good posture.

Summary of Team Accomplishments
- Met with Client
- Divided PDS sections
- Brainstormed design ideas
- Background research

Current Week’s Goals
- Finalize PDS
- Discuss design ideas
- Continue background research and materials search

Project Difficulties
- None to report, our team is back on schedule.

Project Schedule
Week 1-2 worked on separate project
Week 3 meet with client, literature search, develop PDS as a team
Week 4 brainstorm design ideas
Week 5 decide on three alternative designs
Week 6 work on oral presentations and written report
Week 7 oral presentations: hand in report, PDS, design notebooks
Weeks 8-11 decide upon final design, work on prototype
Weeks 12-14 prepare for final presentations (Dec 2), finish final design
Week 15 hand in written report and notebook to advisor (Dec 7) and final advisor meeting (Dec 9)
Activities

**Leah Brandon:**
- Progress report: .5hr
- Client Meeting: 1.5hrs
- Design Ideas: 1hr
- PDS: .5hr

  **Total**: 3.5 hrs

**Adam Dahlen:**
- PDS and research: 2 hrs
- Client Meeting: 1.5hrs

  **Total**: 3.5 hrs

**Nathan Kleinhans:**
- Website revisions: .75hrs
- PDS sections: .5hrs
- Client Meeting: 1.5hrs

  **Total**: 2.75 hrs

**Sara Worzella:**
- PDS and research: 3 hrs
- Design Ideas: 1hr

  **Total**: 4 hrs

Team Total Hours this week: 13.75 hrs

Team Total Hours to date: 16 hrs

**Expenses**
- No expenses to date