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 23 to September 29, 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

• Completed PDS sections
• Brainstormed design ideas
• Background research

Current Week’s Goals

• Group review of PDS
• Decide on three design ideas
• Formulate a design matrix
• Begin work on written and oral reports

Project Difficulties

• None to report.

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: .5 hr
- Design Ideas: 1 hr
- PDS and regulations: 2.5 hrs
- Research: .75 hrs
  **Total**: 4.75 hrs

Adam Dahlen:
- PDS: 1 hrs
- Research: .75 hrs
- Client Communication: .33 hrs
  **Total**: 2.08 hrs

Nathan Kleinhans:
- Website revisions: .5 hrs
- PDS sections: .5 hrs
- Brainstorming: 1 hr
  **Total**: 2 hrs

Sara Worzella:
- PDS and research: .5 hrs
- Design/Internet research: 1.5 hr
  **Total**: 2 hrs

Team Total Hours this week: 10.83 hrs

Team Total Hours to date: 26.83 hrs

Expenses
- No expenses to date