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 14 to October 20, 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 for the week
• Met with Client
• Final paper revisions
• Set up time to obtain materials

Current Week’s Goals
• Obtain materials
• Design blue prints for prototype
• Finalize background research

Project Difficulties
• None

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:**
- Client Meeting: 1 hr
- Oral presentation practice: .5 hr
- Mid-semester Paper: 1.5 hrs
- Notebook: 3 hrs
  - **Total:** 6 hrs

**Adam Dahlen:**
- Client Meeting: 1 hr
- Oral presentation practice: .5 hrs
- Notebook: 4 hrs
- Mid-semester Paper: 1.5 hrs
- Communications: .5 hrs
  - **Total:** 7.5 hrs

**Nathan Kleinhans:**
- Client Meeting: 1 hr
- Oral presentation practice: .5 hrs
- Notebook: 4 hrs
- Mid-semester Paper: 1 hr
  - **Total:** 6.5 hrs

**Sara Worzella:**
- Client Meeting: 1 hr
- Oral presentation practice: .5 hr
- Notebook: 4 hrs
  - **Total:** 5.5 hrs

**Team Total Hours this week:** 25.5 hrs

**Team Total Hours to date:** 78.83 hrs

## Expenses
- No expenses to date