**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 30 to October 6, 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**

- Decided on three design alternatives  
- Constructed design matrix  
- Began work on preliminary design report  

**Current Week’s Goals**

- Complete design report  
- Construct power point presentation on design alternatives  
- Prepare for oral and written presentations  

**Project Difficulties**

- We have decided on our three design alternatives, but even with the design matrix our team is having difficulties deciding which design should be presented as the ‘best solution’ or final design.

**Project Schedule**

<table>
<thead>
<tr>
<th>Week</th>
<th>Task Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-2</td>
<td>worked on separate project</td>
</tr>
<tr>
<td>3</td>
<td>meet with client, literature search, develop PDS as a team</td>
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<tr>
<td>4</td>
<td>brainstorm design ideas</td>
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<tr>
<td>5</td>
<td>decide on three alternative designs</td>
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<tr>
<td>6</td>
<td>work on oral presentations and written report</td>
</tr>
<tr>
<td>7</td>
<td>oral presentations: hand in report, PDS, design notebooks</td>
</tr>
<tr>
<td>8-11</td>
<td>decide upon final design, work on prototype</td>
</tr>
<tr>
<td>12-14</td>
<td>prepare for final presentations (Dec 2), finish final design</td>
</tr>
<tr>
<td>15</td>
<td>hand in written report and notebook to advisor (Dec 7) and final advisor meeting</td>
</tr>
</tbody>
</table>

Activities

**Leah Brandon:**
- Progress report: .5 hr
- Team meeting (10/4): 1 hr
- Written report: 1 hr

  **Total**: 2.5 hrs

**Adam Dahlen:**
- Team meeting (10/4): 1 hrs
- Written report: 1.5 hrs
- Pictures: .5 hr
- Client Communication: .75 hrs

  **Total**: 3.75 hrs

**Nathan Kleinhans:**
- Team meeting (10/4): 1 hr
- Written report: 2 hrs
- Prototype design: .5 hr

  **Total**: 3.5 hrs

**Sara Worzella:**
- Team meeting (10/4): 1 hr
- Written report: 1 hr
- Prototype design: .5 hrs

  **Total**: 2.5 hrs

Team Total Hours this week: 12.25 hrs

Team Total Hours to date: 39.08 hrs

Expenses

- No expenses to date