

***Prosthesis Sanitizer/Deodorizer***

**Client:** Dr. John S. Allen

**Team Members:** Jason Tham (Leader)  
Aaron Freis (Communicator)  
Jenna Spaeth (BWIG)  
Andrew Bertram (BSAC)

**Date:** 9/21/06 to 9/28/06

**Restatement of Team Goals:** Finish PDS work and research. Begin writing test protocols and design work.

**Individual Goals for Next Week:**

**Jason Tham:** Research UV irradiation, order UV bulbs and TiO<sub>2</sub>. Find orientation for team.

**Aaron Freis:** Develop protocols for testing silicone liners.

**Jenna Spaeth:** Develop protocols for testing silicon liners.

**Andrew Bertram:** Work to find good protocol methods.

**Summary of Accomplishments:**

- The team met last week Friday for two hours discussing our project.
- Aaron spent an hour researching silicon properties. He has also been in contact with Dr. Allen.
- Jenna spent another hour researching Titanium Dioxide.
- Andrew spent an hour researching UV/Germicidal bulbs and how they affect silicon.
- Jason spent half an hour writing the progress report and conducting basic research.

**Statement of Team Goals:** relevant information, begin working on PDS. Begin testing in the near future on the effect of UV light within prosthesis.

**Project Schedule:** This week we will finish researching titanium dioxide, UV light, and prosthesis. Hopefully we can finish our PDS and problem statements this week. Then we can work on testing.

**Difficulties:** Still looking for place to store prosthetic leg.

**Activities:**

09.21.07	Team met in class and discussed orientation.	<b>2 hrs</b>
09.26.07	Aaron: Researched silicon qualities, corresponded with client.	<b>1 hr</b>
09.26.07	Jenna: Researched titanium dioxide and silicon prosthesis parts	<b>1 hr</b>
09.25.07	Andrew: Researched UV Light and silicon effects.	<b>1 hr</b>
09.28.07	Jason: Wrote progress report and worked on interim schedule.	<b>.5 hr.</b>

**TOTAL HOURS THIS WEEK**

**5.5 Hrs.**

**Project Time Line:**

TASK	S. S14	S21	S28	O5	O12	O19	O26	N2	N9	N16	N23	N30	D7	D14
<b>Project Design</b>														
Research	X	X	X	X										
Brainstorming		X	X	X	X	X								
Testing					X	X	X	X	X	X				
Prototyping									X	X	X	X		
Final Design												X	X	
<b>Deliverables</b>														
Progress Reports	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Midsemester PowerPoint							X	X						
PDS		X	X	X	X	X	X	X	X	X	X	X	X	X
Final Presentation														X
Design Report														X
<b>Meetings</b>														
Client		X												
Team	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Professor		X	X	X	X	X	X	X	X	X	X	X	X	X
Website			X	X	X	X	X	X	X	X	X	X	X	X

**Expenses: TBD**

**Task Delegations/Time Lines:**

<b>Tasks</b>	<b>Member</b>	<b>Date Due</b>
<b>Research</b>		
<b>Designs</b>		
Brainstorming	all	
Alternate Designs (3)	all	
Design Matrix	all	
<b>Prototyping</b>		
Set up checking account	all	
Research materials	all	
Order materials	all	
Build prototype	all	
Testing/Build phantoms	all	
Revise prototype	all	
<b>Deliverables</b>		
Mid - PowerPoint	all	
Mid - Paper	all	
Notebooks	all	
Final - Poster	all	
Final - Paper	all	
Progress Reports	all	every week
PDS	all	often