ACTION ITEMS

TEAM: 23 Clean Room

Due Date:

Monday, April 22nd, 2019 5:00pm

The following are the Action Items from last week:

Team Member: Katie Hoffman

Action Item	Date Due	Date Completed	Result/Proof of Completion
Worked on Final	April 22,	April 22,	Worked on final presentation. Appx B
Presentation	2019	2019	
Worked on Poster	April 19, 2019	April 19, 2019	Edited and finished the UGRADs Poster. Submitted to bblearn. Appx D
Worked on Operations	April 22,	April 22,	Added Troubleshooting sections and relocating instructions. Appx E
Manual	2019	2019	

Team Member: Daniel Marquez

Action Item	Date Due	Date Completed	Result/Proof of Completion
Finished bottom Portion of room	Apr 22, 2019	Apr 19, 2019	Grinded and welded telescoping components of the room appendix A
Worked On poster as a team	Apr 22, 2019	Apr 19, 2019	Submitted to BBlearn
Contacted Becker	Apr 22, 2019	Apr 18, 2019	Emailed Becker on Pressure transducer testing Appendix C

Team Member: Hannah Reed

Action Item	Date Due	Date Completed	Result/Proof of Completion
Worked on the Operation Manual.	Apr. 26, 2019		Work was not completed.

Helped with and finished the Poster.	Apr. 19, 2019	Apr. 19, 2019	Did the overall formatting for the poster and edited the sections for grammar. completed with team, turned into bblearn and emailed. Ready for pick up. Appendix F.
Edits on Final Report	Apr. 29, 2019		Was not able to start editing the final report at this time.
UGRADS Presentation updates.	Apr. 25, 2019	Apr. 22, 2019	Work on and completed slides 1-7, formatted 8-12 and just need bullet editing. Appendix H shows a completed slide with guidelines for formatting
Finished the CAD for the Hood.	May. 3, 2019	Apr. 19, 2019	Removed the reference geometry that was viewable and updated corresponding photos. Appendix G.

The following are the Action Items for next week:

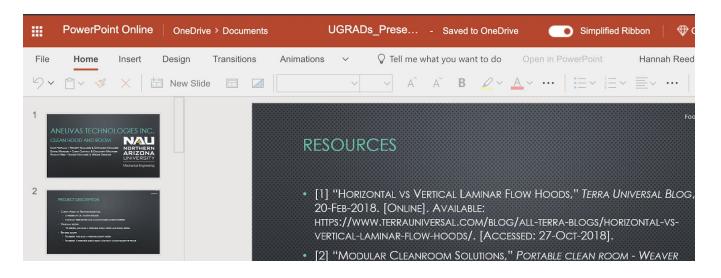
Team Member	Action Items	Date Due
Katie Hoffman	 Work on Operations Manual (approx 3 hours) Edit Final Report (approx. 2 hour) Work on UGRADs Presentation (approx. 3 hours) 	 April 26, 2019 April 29, 2019 April 25, 2019
Daniel Marquez	 Ugrads Presentation(3 Hr) Finish Welding steel (5 hrs) Work on FInal Operation Manual (3 hr) Do Pressure Testing (3 hr) 	1. Apr 29, 2019 2. Apr 29, 2019 3. Apr 29, 2019 4. Apr 29, 2019
Hannah Reed	 Work on the the Operation manual (3hr) Make edits to the Final Report (1hr) Work on UGRADS presentation and get performance ready. (3hr) Start working on and compiling documents for the Website. (1hr) 	1. Apr. 26, 2019 1. Apr. 29, 2019 2. Apr. 26, 2019 3. Apr. 29, 2019

Appendix

Appendix A



Appendix B



Appendix C





I was wondering if you were able to read my previous email, with the concerns on the pressure testing for the hood.

Thanks

Clean Room Team



Timothy A. Becker

to Christopher, me -

Fri, Apr 19, 11:32 AM (3 days ago)

I think you should try our pressure transducer setup before you default to a purely qualitative result. We'll be around this afternoon.

Chris: can you show the clean-room team our pressure transducers, and how they could be setup in LabView? They could use one transducer and record pressures inside the hood, then again outside the hood.

DrB

Tim Becker, PhD

Associate Professor of Practice

Co-Director, Bioengineering PhD Program

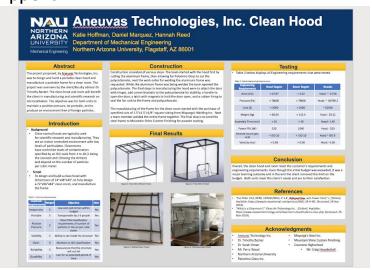
Mechanical Engineering (ME)

PI-Bioengineering Devices Lab (BDL)

Center for Bioengineering Innovation (CBI)

College of Engineering, Informatics, and Applied Sciences (CEIAS)

Appendix D



Appendix E

should be wiped down also.

- 7. Once the unit is cleaned the fan is ready to be turned on and used.
- 8. In order to relocate unit, disassemble it entirely by unplugging and removing the FFU first, then remove the aluminum frame, and lastly the polycarbonate. Once items are at desired relocation follow steps 1 through 7.

2.2 Maintenance

The maintenance for the hood will consist of checking hardware for signs of rust, in which case the hardware should be replaced. Checking the epoxied seems of the polycarbonate for wear or potential cracking, in which the epoxy should be repaired or in severe cases redone. The pre filter for the fun unit should be checked and replace roughly every month. The HEPA filter for the fan unit will need to be replaced after the produced positive pressure has dropped half from the original use.

2.3 Troubleshooting

3. Clean Room

Appendix F

From: Edwin Roy Anderson < Ed. Anderson@nau.edu > Date: April 22, 2019 at 9:32:01 AM MST Subject: RE: UGRADS Poster

Hello,

Your UGRADS poster is ready for pickup from the Physics Office (Bldg. 19, Rm. 209, x2661), which is open 8am-5pm M-F.

NOTE: The ink on the poster will smear if it gets wet, including hand oil, so you don't want to flatten it out by running your hands over it when you put it up.

-- Ed

Appendix G



Appendix H

