

# MEETING MINUTES

## Topic: ME 476C – Staff Meeting 6

Thursday, April 11, 2019

Time: 4:00 - 5:15

Invited Members: Chadrick Jennings, Nicholas Norris, Michael Maves, Amy Swartz, Noah Wick, David Willy

Recorded By: N. Wick

<b>4:00-4:05</b>	<b>Current State of Design</b> <ul style="list-style-type: none"><li>- CAD models discussed including full CAD assembly</li><li>- Willy asked about pump selection</li><li>- Head loss must be determined</li><li>- Uline, Harbor Freight</li></ul>	DUBOIS 30
<b>4:05-4:10</b>	<b>Influence of Analytical Reports</b> <p>Chad's report helping with flow Material properties: Amy suggested strain may be more relevant than compliance. Thickness will affect displacement. Look at elongation? Change in area? Materials testing in Becker's lab: Must come up with testing procedure and have Amy approve before spending \$ on rheometer time.</p>	DUBOIS 30
<b>4:10-4:15</b>	<b>Questions on Presentation 3/Peer eval</b> <p>Invite client, done. Business formal Handouts for audience Other guests may be present</p>	DUBOIS 30
<b>4:15-4:20</b>	<b>Final Questions</b> <p>Willy asked about DAQ. Will use arduino What data are we collecting? Pressure, flow, temp Pressure Transducer: 16 bit analog/digital converter 16x gain Heaters with heater bands, PID, PWM controls Heating element Amy suggested altering fluid temp to get desired properties</p>	DUBOIS 30

Upcoming requirements:

1. Presentation 3