## **MEETING MINUTES**

## **Topic: Individual Analytical Assignments**

Friday, September 21, 2018 12:15 pm — 1:00 pm

Minutes recorded by \_Jacob Barker\_\_\_\_

Meeting called by \_Jacob Barker\_\_\_\_\_

Attendees: \_\_\_Jacob Barker, Samm Metcalfe, Ashley Shumaker\_\_\_\_

Please bring: \_Ideas for Individual Analytical Assignments\_\_\_\_\_

## Table 1. Record of meeting.

12:15 pm to end	Met to discuss/brainstorm ideas for individual analyses	
12:15 pm to end		3 <sup>rd</sup> Floor Study Area
	<ul> <li>LabVIEW Calibration/Data Acquisition</li> <li>not sure this would work as an analytical assignment</li> </ul>	
	<ul> <li>Sensor analysis         <ul> <li>sensor cost, accuracy, output voltages for thermocouples/transducers</li> <li>again, may not be good analytical</li> </ul> </li> <li>Heating pre-chamber heat-transfer analysis         <ul> <li>similar analysis was done in first semester, but this would be more tailored to current design</li> </ul> </li> <li>Simple Brayton Cycle analysis/estimate for system</li> </ul>	

<ul> <li>team hasn't used much thermo knowledge so far in project</li> <li>would require a lot of educated guesses, don't have much data to go off of yet</li> <li>Combustion chamber air diffuser design</li> <li>Dyson fan as inspiration</li> </ul>	
Email Dr Oman/Amy for feedback on what they would like to see	