

Start Time: 11:30am

End Time: 1:05pm

Team Contract:

- Different person should be doing meeting minutes and leading meeting
- Get better clarity on mission statement after we meet with client
- Next week we will meet with Dr. Swenson on Wednesday.
- Update budget after client meeting

Client Questions/Meeting:

- Prioritize top two or three most important items
- What special learning should the team do to get caught up on the subject?
- Simple experiment with wind tunnel, i.e. manual adjustment, phones for pics.
- Ask about load cell and its state with respect to accuracy operation.
- Ask client about load cell needs/wants
- Project learning: Get into wind tunnel and do a simple experiment with current set-up
- By end of summer have a design on how to interface hardware with airfoil and stepper motor.

Client Meeting Discussion Points:

- Follow industry standard preliminary design review and critical design review (freeze design and process). PDR can have 3-4 different ideas for every aspect of the project. Tell client what we think we are able to get done. PDR is research of literature and idea based.
- Both PDR and CDR should probably be done by the end of summer.
- Focus on PDR over the next few weeks.
- Graduate student will show us how to operate the wind tunnel. FOLLOW ALL SAFETY RULES.
- Client would like a weekly scheduled meeting. With agenda and action items for the next meetings. This meeting will occur Tuesday at noon unless otherwise arranged.
- He can give us a list of materials, by CDR we need full list of materials to order.
- Labview
- Movable stand needs to be designed and modular airfoil/load cell interface
- CNC machine airfoil. We will design our own airfoil in Solidworks based on equation client gives to us.
- Load cell can't touch wind tunnel. Can be attached to wall, ceiling, or stand.
- Budget: Open discussion about load cell and decision will be made during CDR.
- More cheaper load cells could be better than one very expensive one.
- 0 angle of attack corresponds to lift and drag lowest forces. Axis of rotation at $\frac{1}{4}$ chord point.