

AUV Meeting Minutes

October 25, 2023

- Nick updated everyone on his tests of the AUV material to see the long-term effects of water infiltration.
 - Placed a small piece of material in a Mason jar filled with water.
 - After 24 hours, a thin layer of material, about ¼ inch thick, was soft and could be easily scraped off. However, the material under that layer still felt hard.
 - Nick suspected that soft outer layer was just the 3D printing support material and everything under that layer would be waterproof.
- Individual team member responsibilities were discussed.
 - Nick: performing further water infiltration tests of the AUV material
 - Tom and Collin: Make CAD drawings of the buoyancy module
 - Will: has been working on the team website
 - Justin and Matt: wrap balloon material around O-ring and perform waterproofing test on Monday October 30th at 11:00 AM in the lab.
 - 434W team: See 434W team meeting minutes
- Nick also discussed his promoting electrical propulsion on his project of building an unmanned section of a small watercraft for an ASNE competition. He discussed how his design methods could potentially be used for our project.