Agenda:

* Discuss feedback from presentation
* Sub team updates
* scanning equipment/resources
* advancing structures/physics research
* pictures from david

Presentation:

* Wasn’t really grilled
* Extruder:
  + Application
  + Aerospace:
    - Look into mixed materials
    - Carbon fiber pla
    - Find more application focused materials
  + Sub team merge? Structures can be dissolved
  + Lit review currently hand wavy/vague
* Structure:
  + Figure out priorities
  + Focus on physics? Rather than arm
  + Make cohesive goal
  + How feasible is toolpathing?
    - Need more time to figure out

Scanning Equipment

* Best to design and build own scanner
  + No readily built scanner that will fit 100% to what we want
  + design according to problem not visa versa
* Work through the first half of Dr.Mitchell’s course
  + Will give slides and materials
  + Make sure to remind Dr. Mitchell to send us this info (he will forget)
* Is scanning a critical part?
  + In the end, we should be able to print even if there is no scanner?
  + Being able to print on any geometry is what gives the weight to the thesis
  + Is it a main part or is it just an accessory?
  + logical proof for surface feedback

Overall

* Part 1: Work out all the physics with the extruder on a known geometry => NUMBERS
* Other parts: tbd
* The physics of actually printing is the non-negotiable part of printing => focus

Start creating hypotheses

Find dimensions by end of week/next week => just print!

mailing address for extruder nozzle

SWaP - size, weight, and power

Conclusion:

* Subteams merging Extruder+Structures = **EXSTURCTER**

End of Semester:

* Mount things on the arm
  + Have all extruder parts on CAD model